Sustainability

Planon Software Suite

Version: L105

Planon
Building Connections

About this Document

Intended Audience

This document is intended for *Planon Software Suite* users.

Contacting us

If you have any comments or questions regarding this document, please send them to: support@planonsoftware.com.

Document Conventions

Bold
Names of menus, options, tabs, fields and buttons are displayed in bold type.

Italic text
Application names are displayed in italics.

CAPITALS
Names of keys are displayed in upper case.

Special symbols

	Text preceded by this symbol references additional information or a tip.
	Text preceded by this symbol is intended to alert users about consequences if they carry out a particular action in Planon.

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About Sustainability

Sustainability allows you to measure the sustainability profile of your buildings and business processes in a controlled manner and helps you to improve and continually monitor this sustainability profile. By linking measurements, monitoring processes and improvements, you can create a continuous cycle of improvement and savings, based on widely accepted auditing standards such as BREEAM®-in use. You can define multi-year energy and sustainability objectives related to your corporate ESG (Environment, Social, Governance) ambitions. For more information on how to define objectives, see Objectives.

Sustainability consists of three distinctive processes: Monitoring, Audits and Projects & activities.

Since Planon is a configurable system, the user interface described in this manual may differ from your own; however, the functionality described is the same.

Sustainability - Concepts

The following topics describe the concepts that are key to understanding the functionality.

BREEAM-in use standard

BREEAM is a company that provides environmental assessment methods and rating systems for buildings.

For existing buildings, a BREEAM-in use assessment uses recognized measures of performance, which are set against established benchmarks, to evaluate a building's specification, design, construction and use. The measures used represent a broad range of categories and criteria from energy to ecology. They include aspects related to energy and water use, the internal environment (health and well-being), pollution, transport, materials, waste, ecology and management processes.

Sustainability audit

LEED-existing buildings standard

LEED-existing buildings standard

Carbon dioxide equivalent (CO_2 equivalent)

Carbon dioxide equivalent or **CO_2 equivalent**, abbreviated as **CO_2-eq** is a metric measure used to compare the emissions from various greenhouse gases on the basis of their global-warming potential (GWP), by converting amounts of other gases to the equivalent amount of carbon dioxide with the same global warming potential.

Carbon Disclosure project

The **Carbon Disclosure Project** (CDP) is an international, not-for-profit organization providing a global system for companies and cities to measure, disclose, manage and share vital environmental information.

The **Carbon Disclosure Project** was initiated by investors and aims to firmly incorporate a strong environmental awareness in all companies, regardless of the industry or sector. The call to measure factors impacting the environment, such as CO_2 emissions, and to manage these, is currently met by several thousand companies in some 60 countries. If a company takes part in the project and reduces its emissions, it becomes more attractive to investors.

In Planon ProCenter, the applicable sustainability standards can be registered in **Supporting data > Sustainability standards**.

Sustainability standard

Carbon Trust

An organization helping business, governments and public sector to reduce carbon emissions and become more resource efficient, by providing *sustainability standards* such as the water standard, waste standard and the carbon standard.

In Planon ProCenter, the applicable sustainability standard can be registered in **Supporting data > Sustainability standards**.

Sustainability standard

Cooling degree day

Cooling degree days are a type of degree days that are used to measure how much (in degrees), and for how long (in days), the outside air temperature was above a certain level. They are commonly used in calculations relating to the energy consumption required to cool buildings.

Cooling degree days can be considered as heating degree days in reverse: while heating degree days start adding up when the outside air temperature drops below the base temperature, cooling degree days start adding up when the outside air temperature rises above the base temperature. So the base temperature of cooling degree days is just the temperature above which the building needs cooling.

Degree days

Degree days are used to measure the difference between a building’s base temperature and the actual outdoor temperature, multiplied by the number of days. In Planon we use two types of degree days: heating degree days and cooling degree days.

Degree days data is required if you want to be able to make fair comparisons on the sustainability of buildings in different geographical locations and over longer periods of time. Since weather conditions may vary to a great extent geographically, we can weigh a building’s energy consumption against the extent of additional heating or cooling that is required. In order to do this, we must establish a base temperature for each building and then calculate how often we needed to heat or cool the building additionally.

Degrees days can be added in Planon's Sustainability solution.

Weather station

Energy label

A labeling scheme to visualize the energy efficiency of buildings, appliances and other products.

The EU adopted Directive 2010/30/EU which standardized energy labeling schemes. The USA, Canada and other parts of the world have their own labeling schemes for energy consumption. Energy labels help consumers / users choose products which save energy and thus money. They also provide incentives for industries to develop and invest in energy efficient design.

FusionMaps XT

FusionMapsXT is a product of the FusionCharts company. This company produces comprehensive charting software that can be used for web and mobile applications that are rendered within a browser. Planon Accelerator uses their FusionMaps XT technology for the creation of dashboards on the Planon Dashboard Sustainability website. FusionMaps XT helps you display geographical data distributed by category, regions or entities. The maps are data-driven and can therefore be used to effectively plot business data such as revenue or costs per region, office locations and survey results.

Adding dashboard areas

Sustainability dashboard

Heating degree day

Heating degree days are a type of degree day that is used to measure how much (in degrees), and for how long (in days), the outside air temperature was below a certain level. They are used in calculations of the energy consumption required to heat buildings.

The energy consumption by building heating systems is complicated. Essentially, the colder the outside air temperature, the more energy it takes to heat a building. However, the outside temperature does not only vary from one location to another - it also varies through time. If you use your heating system to keep your building at a roughly constant temperature, the amount of energy that your heating system uses will vary, just like the outside air temperature does. Heating degree days are a way to quantify this. The idea is that the amount of energy needed to heat a building in any period (day/week/month/year) is directly proportional to the number of heating degree days in that same period.

Impact area

Impact areas are the various areas that can affect an organization's sustainability targets, such as the consumption of gas, electricity or fuel, the use of water or the production of waste materials.

In Planon, impact areas are either property related or department related and their scope may be direct or indirect with regard to the CO_2 emissions involved. Impact areas and their scopes are used on the *Sustainability dashboards* web page as selection criteria for generating dashboards.

Adding impact areas

Impact area cost profile

Impact area cost profile

Impact area cost profile

A cost profile taking into account multiple components which add to the costs of the impact area involved.

Electricity costs for example, may consist of a standing charge, taxes and consumption costs against various tariffs. The cost profile will include each defined cost aspect in the cost calculations that are made for a specific impact area in a dashboard.

Impact area

Impact area

Input conversion table

Input conversion tables are used to convert units of measurement to other units of measurement, for example square meters to square feet or liters to gallons.

International organizations can use the selected input conversion record to display their figures in dashboards. For example, if the US office registers fuel consumption in gallons and your European office in liters, you will also be able to show the organization's totals in either gallons or liters in the dashboards.

Adding input conversion tables

Key performance indicator (KPI)

Key performance indicators are variables used to analyze the performance of organizations.

The main key performance indicators for sustainability are CO_2 emissions, energy and water consumption, waste output.

Sustainability dashboard

Sustainability dashboard

LEED-existing buildings standard

LEED, or Leadership in Energy & Environmental Design is a tool / program that provides third-party verification of green buildings.

Developed by the U.S. Green Building Council (USGBC), LEED is intended to help building owners and operators be environmentally responsible and use resources efficiently.

BREEAM-in use standard

BREEAM-in use standard

Sustainability audit

Output conversion table

Standard conversion tables, which are either set up by the government, consultancy agencies (such as the Carbon Trust standard or the Carbon Disclosure reporting) or your energy supplier.

Output conversion tables are used to register, calculate and report on CO_2 equivalents.

You register output conversion data for a specific year, impact area, standard and unit of measurement. The registered data is used to create dashboards on CO_2 emissions.

Sustainability dashboard

Adding output conversion tables

Project team

A group of people assigned the task of implementing a project.

Project team member

Project team member

An individual, company or external party nominated to join the project team in order to fulfill a particular role in the team.

Team members can be individuals from your own organization or people from external companies. Team members have a mandatory start date and a non-mandatory end date. Additionally, a reference date applies to team members, which means you can filter out team members whose start and end dates are covered by a particular reference date. In other words: team member information that is linked to a specific period in time can be retrieved by selecting a reference date from that period.

Project team

Role player

Role

Questionnaire (audit)

A pre-defined audit based on international standards, such as BREEAM-in-use or LEED-existing buildings, including categories, questions and possible answers.

An audit questionnaire is linked to a standard order and can be used as a starting point to create new audits in Planon. For organizations with a large property portfolio this can be a time saving approach.

Sustainability audit

Role

The capacities and responsibilities of a team member. Project roles can include project manager, architect, legal adviser etc.

Project team member

Role player

An 'actor' (person, contact, external party) with a specific role to play in a team, for example a project management team or a transaction management team. In Projects a role player is a project team member.

If you are working with PMFS apps such as PMFS Live app or AppSuite, or with Resource planner, you can also include role players as team members in maintenance teams. For more information on maintenance team configuration, see Configuring teams.

Project team member

Sustainability audit

Sustainability audits are used to evaluate the sustainability performance of an organization.

Sustainability audits are usually performed by third parties who work according to an internationally recognized standard, such as LEED or BREEAM.

BREEAM-in use standard

LEED-existing buildings standard

Questionnaire (audit)

Sustainability dashboard

In Planon, sustainability dashboards are interactive charts that can be generated by users to get instant, graphical information on their sustainability performance.

By selecting impact areas, KPI types, regions and properties on the Sustainability Dashboard web page, users can pinpoint the sustainability information they want to extract from Planon and show in the dashboards. There are different types of sustainability dashboards in Planon:

- Dashboards for monitoring (costs, consumption and CO_2 emissions),
- Dashboards on audits,
- Specific dashboards, such as degree day dashboards.

Key performance indicator (KPI)

FusionMaps XT

Key performance indicator (KPI)

Output conversion table

Sustainability standard

A standard on how to measure a company's carbon footprint, drawn up by specialized organizations, for example the Carbon Trust or the Carbon Disclosure project, from which certification can be obtained if the standard's rules and methods are observed.

In Planon ProCenter, the applicable sustainability standards can be registered in Supporting data > Sustainability standards.

Carbon Trust

Carbon Disclosure project

Adding sustainability standards

Template (project)

A predefined project that can be used as a starting point to create new projects in Planon.

You create project templates with activities and default budgets, for example for standard events, moves and acquisitions.

Weather station

A local weather station to which your buildings are linked to collect regional degree day data.

In *Planon Accelerator*, the registration of degree days can be automated via a *Degree days* API. The relevant data is automatically registered once a day for each building. In the **Sustainability Dashboard** TSI, you can generate dashboards that show the heating and cooling degree days against your energy consumption in charts, per year, per month or per day.

The *Degree days* API is not part of the standard product - customers should create their own API.

Degree days

WELL v2 building standard

WELL v2 represents a new model for supporting and advancing human health through better buildings. Launched as a pilot on May 31, 2018, this next version of the WELL Building Standard was created by the International WELL Building Institute™ (IWBI™) in collaboration with the global community of WELL users and experts.

There are ten concepts in WELL v2: Air, Water, Nourishment, Light, Movement, Thermal Comfort, Sound, Materials, Mind and Community. Each concept is comprised of features with distinct health intents.

Supporting data in Sustainability

Sustainability is all about gathering and registering data on sustainability-related areas, in order to be able to report (dashboards) and act on the results. The Supporting data navigation group in the Sustainability navigation panel includes all relevant TSIs that are used to register general sustainability data:

- Property details management
- Dashboard areas
- Impact area cost profiles
- Impact areas
- Input conversion tables
- Output conversion tables
- Base temperatures
- Classification groups
- Counter & gauge definitions
- Energy labels
- Meter classifications
- Departments
- Documents
- Assessment values
- Indicators
- Roles
- Teams
- Templates
- Sustainability standards
- Units of measurement

Adding sustainability details

To enter all relevant sustainability details on the selected property. The sustainability details are registered for audit or analysis purposes, since leading standards such as LEED and BREEAM require this kind of information.

Procedure

1. Go to Supporting data > Property details management > Properties.

2. Select the property for which you want to add sustainability details.
3. Go to Property details.
4. On the action panel, click Add.
5. In the data panel, complete the relevant fields.

Field	Description
Start date	Specify a start date for the sustainability data.
End date	Specify an end date for the sustainability data.
General	
Code	Auto-generated code for the sustainability details. The code can be changed.
Property	Displays the name of the selected property.
Current portfolio data	
Portfolio strategy	Select your portfolio strategy, which is either: • Hold • Dispose • Refurbish • Redevelop
Tenure	Select your tenure, which is either: • Sole ownership • Joint ownership • Leased
Business strategic value	Select your business strategic value: • High • Low • Medium
Marketability	Select the marketability of you property: • Marketable • Non-marketable
Footprint areas	
Property footprint area	Specify the surface area of the entire plot.

Field	Description
Area surfaced	Specify how many m^2 actually consist of construction materials such as brick, gravel, rock or stone, concrete, timber, bitumen, glass, metals.
Area unsurfaced	Specify the extent of the surface area that actually consists of plant materials, such as grasses, herbaceous plants, shrubs and trees.
Water expanse	Specify the extent of the surface area that consists of water.
Rentable area	Specify the surface area that can be rented.
Characteristics	
Year of construction	Enter the year the building was built.
Year of last refurbishment	Enter the year in which the property was last refurbished.
Number of floors under	Indicate how many floors are below ground level.
Number of floors	Enter the number of floors present in the building.
Facility management	
Total integrated FM provider	Select your FM provider from the drop-down list.
Service level FM	Select the FM service level.

6. Click Save.

New sustainability details have been added to the selected property.

Adding base temperatures

To register base temperatures in a range that applies to your organization's buildings. Once registered, base temperatures for heating and cooling can be linked to properties to enable the calculation of cooling degree days and heating degree days. Specific dashboards showing heating degree days and cooling degree days for a selection of properties can be generated in **Dashboards** (see the **Specific** tab on the Planon Sustainability Dashboard web page).

Procedure

1. Go to Supporting data > Base temperatures.
2. Click Add.
3. In the data panel, complete the relevant fields.

Field	Description
Code	Enter a code for the base temperature. Tip: use a number that is the same as the actual base temperature. So, enter 10 if the base temperature to be registered is 10 degrees Celsius.
Base temperature	Enter the figure that represents the base temperature you want to register. For example type 10 if you want to register a base temperature of 10 degrees Celsius.

4. Click Save.

The base temperature has been registered.

Adding classification groups

In Supporting data > Classification groups you can define the asset groups for which you want to register and monitor sustainability data.

For more information on asset classifications, see Asset classifications.

Adding dashboard areas

To register the countries and regions that must be shown in sustainability dashboards. Planon uses the FusionMaps XT technology to generate sustainability dashboards, so make sure that any additional entity IDs you enter are supported by FusionMaps XT.

A basic set of FusionMaps .js files for countries and regions is already included in the Sustainability solution. If you require additional countries and regions, please contact your Planon consultant.

Procedure

1. Go to Supporting data > Dashboard areas.

   Dashboard area is a hierarchical element. Use the top element for world, the next sub-level for continents and the levels below that for countries and regions.

2. At Dashboard areas click Add.

3. In the data panel, complete the relevant fields.

Field	Description
Code	Enter a relevant code for the dashboard area, for example W for world, NA for North America and CA for Canada.
Code group	Displays the combined dashboard area code plus parent level codes.
Description	Enter the name of the dashboard area, for example World, North America or Canada.
Parent level	This field displays the level above the selected element.
Fusion maps – entity ID	Enter the FusionMaps ID code of the area (continent, country or region).
Fusion maps JS file	Enter the name of the map that refers to the area in the following format: *maps/map-name*. Example, for World map, enter **maps/world**. This JavaScript alias will internally fetch the relevant .js file and loads the map. For the list of available maps, refer to the following link: .

4. Click Save.

A dashboard area is added.

FusionMaps XT

Adding departments

To register the departments or sub-departments for which you want to register, monitor and audit sustainability data, for example in order to link a department to a gauge.

Because adding departments resides in the back office realm, the functionality is read-only for Sustainability.

Procedure

1. Go to Supporting data > Departments.
2. In the data panel, the following fields are displayed:

Field	Description
Parent level	If a sublevel in the department structure is selected, this field displays main level.

Field	Description
Code	Displays the auto-generated code of the (sub-) department.
Department	Displays the name of the department.
Code group	This field is auto-populated with the combined codes of main level and sub-level(s).
Color number CAD Integrator	Displays a color that represents the department in CAD Integrator drawings.
Hatch CAD Integrator	Displays the hatch pattern to be used.
Comment	Displays information about the department.

Adding documents (communication logs)

To create a library of all sustainability-related documents (communication logs).

Procedure

1. Go to Supporting data > Documents > Properties selection level.
2. Select the property for which you want to add a communication log.
3. Select the Communication logs selection level and – depending on what type of communication log you want to add, click Add > Communication log or H&S documents or PFMS action.
4. In the data panel, complete the relevant fields.

Field	Description
Code	The code of the communication record is auto-generated, but it can be changed.
Description	Enter a description of the document.
Document reference	Reference to the location of the communication log. Here you can view, open or upload documents.
Document (secure)	Reference to the secure location of the communication log. Here you can view, open or upload documents.
URL	Enter the URL of the system where your document is maintained on the internet.

Field	Description
End date-time	Enter the end date-time of the communication log.
Start date-time	Enter the start date-time of the communication log.
Responsible person (Personnel)	Select the internal contact that is responsible for the document.
Responsible contact (Addresses)	Select the external contact that is responsible for the document.
Version	Enter the version number of the document.
Information	Enter the communication with the owner.
Comment	Enter a comment on the communication log.
To	Enter the addressee.
Action	Displays the action that was selected by an engineer. Available for PMFS actions only.
Reason	Displays the reason linked to the action. Available for PMFS actions only.

5. Click Save.

A new communication log is added.

Adding energy labels

To add the relevant energy labels which play a part in your sustainability goals.

Procedure

1. Go to Supporting data > Energy labels.
2. At Energy labels, click Add.

In the data panel, complete the relevant fields.

Field	Description
Code	Enter the energy label's code.
Description	Enter a description of the energy label.
Image	Upload an image depicting the energy label.

3. Click Save.

A new energy label is added.

Adding impact area cost profiles

To add cost profiles to impact areas to be able to calculate costs and cost savings resulting from sustainability measures. Impact area cost profile is a hierarchical element. Its sub-elements can be one of the following types:

- Standing charge cost lines,
- Unit & time-based cost lines,
- Unit-based cost lines.

Procedure

1. Go to Supporting data > Impact area cost profiles.
2. At Cost profiles, click Add cost profile.
3. In the data panel, complete the relevant fields.

Field	Description
Code	Enter a code for the cost profile.
Name	Enter a name for the cost profile.
Impact area	Select the appropriate impact area: • Department related • Property related
Start date	Enter the date on which the cost profile starts to be applicable.
End date	Enter the date on which the cost profile is no longer applicable.
Cost profile type	Field is auto-populated on adding a specific type of cost profile.
Status	This field displays the current status of the cost profile: **Initial**, **Active** or **Expired**.

4. Click Save.

A new cost profile is added. You can now proceed to add the relevant sub-elements to the cost profile, which are the actual cost components: **Standing charge costs**, **Unit & time-based costs** and **Unit-based costs**. The cost profile is automatically assigned the **Initial** status. In order to indicate that the profile

is in use, change the status to **Active**. When it is no longer used you can change the status to **Expired**.

Adding standing charge costs

Procedure

1. Go to Supporting data > Impact area cost profiles.
2. On the Cost profiles level, select the relevant cost profile to which you want to add a standing charge cost line.
3. Click Add sub-standing charge cost line.
4. In the data panel, complete the relevant fields.

Field	Description
Code	Enter a code for the standing charge costs.
Name	Enter a name of the standing charge costs.
Amount per year	Enter the annual amount excl. tax that applies to the standing costs.
Tax	Select the relevant tax rate.
Parent level	Field displays the parent cost profile.
Cost profile type	Field displays the type of the business object you're adding: in this case a standing charge cost line.

5. Click Save.

A new Standing charge cost line is created. If required you can add other cost lines to the cost profile.

Adding unit-based costs

Procedure

1. Go to Supporting data > Impact area cost profiles.
2. On the Cost profiles level, select the relevant cost profile to which you want to add a unit-based cost line.
3. Click Add sub-unit-based cost line.
4. In the data panel, complete the relevant fields.

Field	Description
Code	Enter a code for the unit-based costs.
Name	Enter a name for the unit-based costs.
Amount per unit	Enter the annual amount excl. tax that applies to the unit-based costs.
Tax	Select the relevant tax rate.
Parent level	This field displays the parent cost profile.
Cost profile type	This field displays the type of the business object that you're adding: in this case a unit-based cost line.

5. Click Save.

A new Unit-based cost line is created. If required you can add other cost lines to the cost profile.

Adding unit & time-based costs

Procedure

1. Go to Supporting data > Impact area cost profiles.
2. On the Cost profiles level, select the relevant cost profile to which you want to add a Unit & time- based cost line.
3. Click Add sub-unit & time-based cost line.

You should add a different Unit & time-based cost line for each different time unit that has its own cost profile. Example: if you have different electricity rates (peak and base rates applying to different days / hours), add separate Unit & time-based cost lines and link the relevant days and time slots (hours) to them.

4. In the data panel, complete the relevant fields.

Field	Description
Code	Enter a code for the Unit & time-based costs.
Name	Enter a name for the Unit & time-based costs.
Amount per unit	Enter the annual amount excl. tax that applies to the Unit & time-based costs.
Tax	Select the relevant tax rate.

Field	Description
Parent level	This field displays the parent cost profile.
Cost profile type	This field displays the type of the business object that you're adding: in this case a unit & time-based cost line.

5. Click Save.

A new Unit & time-based cost line is created. You can now proceed to link time slots. See Adding time slots to a unit & time-based cost line for the procedure.

Adding time slots to a unit & time-based cost line

To be able to differentiate the costs (for example electricity costs) over various units of time, as different rates or circumstances may apply to specific days or time slots.

Procedure

1. Go to Supporting data > Impact area cost profiles.
2. Select a relevant cost profile.
3. Select the relevant Unit & time-based cost line to which you want to add a time slot (weekdays + hours).
4. Select the Time slots selection level and click Add.
5. In the data panel, complete the relevant fields.

Field	Description
Cost profile	This field displays the name of the selected cost profile. If you drill down from all cost profiles, you can select the relevant cost profile here.
Weekday	Select a weekday on which the cost profile is valid.
Start time	Enter the start time of the time slot.
End time	Enter the end time of the time slot.

6. Click Save.
7. If required, proceed with adding more relevant weekdays/hours to the Unit & time-based cost lines in a similar fashion.

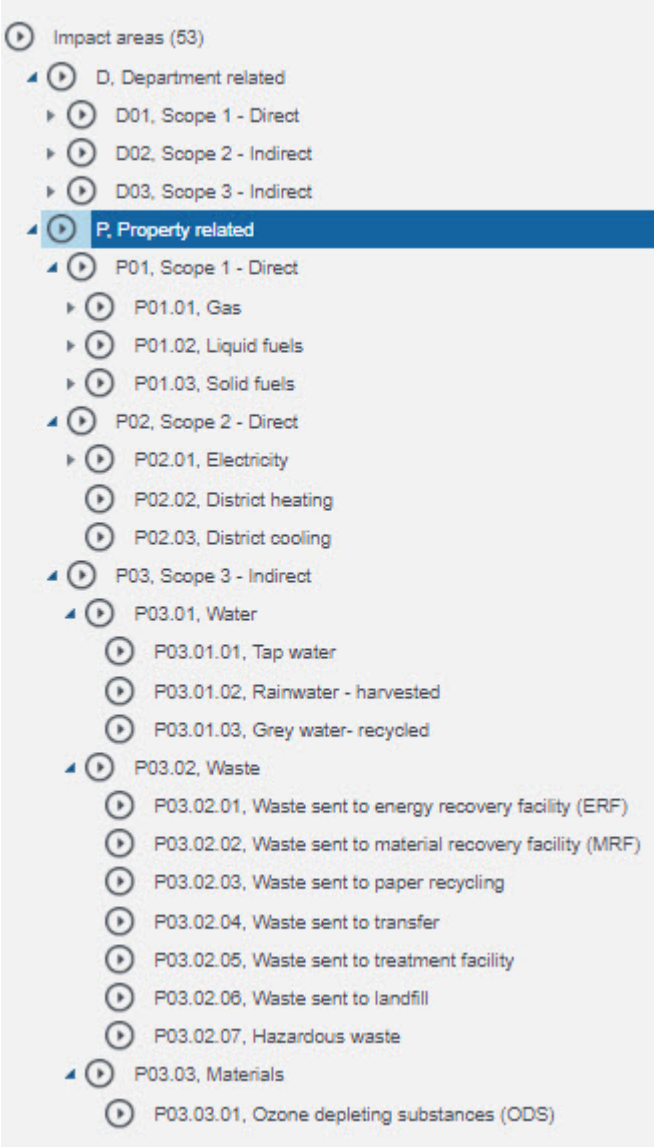
Time slots cannot overlap!

Adding impact areas

To add the areas and sub-areas for which sustainability reporting is required. For example: electricity consumption from various sources, water usage, and waste. Impact area is one of the selection criteria used in sustainability dashboards and is registered as base data in Planon ProCenter .

Impact area is a hierarchical element. It is recommended to create a tree structure for impact areas that indicates at the top level whether the impact area is property-related or department-related. The next sub-level should represent the scope of the impact area. The scope indicates whether the CO_2 emissions associated with the impact area are direct or indirect. The following sub-level represents the impact area itself, for example electricity, waste, water or fuel. Finally, lowest sub-level is used to differentiate between the various types of electricity, waste, water or fuel.

Example:



Procedure

1. Go to Supporting data > Impact areas.
2. At Impact areas, click Add.

In the data panel, complete the relevant fields.

Field	Description
Code	Enter a code for the (sub-) impact area.
Description	Enter a description of the (sub-) impact area.
Base unit	Select the unit of measurement that applies to the impact area. For example: liters, square meters, Kilowatt hour etc.

Field	Description
Parent level	This field displays the code and name of the parent impact area.
Type	This field displays the type of business object.
Comments	If required, enter a comment on the impact area.

3. Click Save.

A new (sub-) impact area has been added.

Impact area

Adding input conversion tables

To add conversion tables for units of measurement. For example, in order to enable the conversion from square meters into square feet or from liters into gallons. International organizations can use the selected input conversion table to be able to display converted figures in sustainability dashboards. For example, if the US office registers fuel consumption in gallons and your European office in liters, you will also be able to show the organization's totals in either liters or gallons in the dashboards.

Procedure

1. Go to Supporting data > Input conversion tables.
2. At Input conversion tables, click Add.
3. In the data panel, complete the relevant fields.

Field	Description
Unit	Select the source unit of measurement for conversion. Example: if you want to convert liters to gallons, select liters.
Alternative unit	Select the target unit of measurement for conversion. Example: if you want to convert liters to gallons, select gallons.
Conversion factor	Enter the factor by which the selected unit must be multiplied to convert to the alternative unit. Example: if you want to convert liters to gallons, enter 0.264172052.

4. Click Save.

A new input conversion record is added.

Input conversion table

Adding types of intended building use

To register the various types of original building use which apply to the properties in your portfolio. For example, if the buildings in your portfolio were originally designed either as schools, office buildings or factories, you enter these three building types in the **Supporting data > Intended use of building** TSI. Example: a former school is currently used as an office building. However, it may be worthwhile for future analyses to register that the original design of the building is 'school'. The intended use of buildings can be selected at the **Sustainability details** selection level in **Supporting data** > **Additional property information**.

Procedure

1. Go to Supporting data > Intended use of building.
2. At Intended use of building, click Add.
3. In the data panel, complete the relevant fields.

Field	Description
Code	Enter a code for the intended use of building that you want to register.
Name	Enter a name for the 'intended use of building' record that you want to add. Examples: factory, school, office building, warehouse.

4. Click Save.

The intended use of the building has been registered and can be selected in the Additional property information TSI.

Adding meter classifications

For more information on meter classifications, see Meter classification and Adding a meter classification.

Adding output conversion tables

You can register and report on calculated CO_2 equivalents. These calculated equivalents are based on standard conversion tables, which can be obtained from governments, consultancy agencies or energy suppliers. You register output conversion table records

for a specific country, period, impact area, standard and unit of measurement. The registered data are used to create dashboards on CO_2 emissions.

Procedure

1. Go to Supporting data > Output conversion tables.
2. At Output conversion tables, click Add.
3. In the data panel, complete the relevant fields.

Field	Description
Country	Enter the name of the country for which the CO_2 equivalent must be reported. If you leave this field empty, the output conversion is considered to be generic for multiple countries.
Source	Enter the source information for the registered value. This information may be required in audit trails.
Sustainability standard	Enter the name of the standard according to which the CO_2 equivalent must be reported.
Start date	Enter the start date as of which the CO_2 equivalent is reported. This field is mandatory.
End date	If relevant, enter the date until which the CO_2 equivalent is reported.
Impact area	Enter the impact area for which the CO_2 equivalent is reported.
Unit of measurement	Enter the unit that applies to the impact area for which the CO_2 equivalent must be reported.
CO_2 per unit	Enter the CO_2 equivalent that applies to the impact area in the selected country, according to the applicable standard.
Applied in dashboard	If you select **Yes**, this type of calculated CO_2 equivalent is used in the Sustainability dashboards.

4. Click Save.

A new output conversion record is added.

Output conversion table

Adding assessment values

You can create a set of color definitions which represent assessment values and which correspond with the project indicators. You can define your own color definitions, but by default Planon includes red, green and amber. The colors are displayed with the indicators in an assessment overview on the project's **General** tab in **Projects**, to allow for quick project assessment.

For more information on working with indicators and assessment values, see Indicators and assessment values.

Adding indicators

You can create a set of indicators that is used for quick project assessment on the **General** tab in **Projects**. For example the project's budget or planning.

For more information on working with indicators and assessment values, see Indicators and assessment values.

Adding roles

You can create a set of project roles. For more information, see Roles.

Adding sustainability standards

In Supporting data > Sustainability standards you can register sustainability standards and link them to the output conversion tables you are using, for example the Carbon Trust standard or Carbon Disclosure ProjectTM, Carbon Smart (UK Department for Environment Food & Rural Affairs) or any other relevant sustainability standard.

Sustainability standard

Adding units of measurement

In Supporting data > Units of measurement you can register units of measurement.

Monitoring in Sustainability

Sustainability is all about gathering and registering data on sustainability-related areas, in order to be able to report (dashboards) and act on the results. The **Monitoring** navigation group on the **Sustainability** navigation panel includes all relevant TSIs that play a part in the recording and monitoring of measurements.

Adding counter definitions and gauge definitions

You must first register meter definitions (gauge definitions or counter definitions) to which you can then link meters or counters of the same type respectively. For more information on working with meters in Planon, see Meters.

Planon supports two types of meters: counters and gauges. What meter definitions and meter types you need to define in your Planon configuration depends on the meters you are using in your buildings.

- **Counters**: Provide sequential reading data, registered in Planon; the energy or water consumption over a specific period of time is calculated by Planon, based on the difference between two counter readings. Like most electricity meters at home, counters are counting your total electricity consumption. Counters are available in Planon and can be used in the Sustainability solution.

- **Gauges**: Provide data on consumption, registered in Planon. There is no need to calculate the consumption in Planon; gauge readings can be added at any relevant time. Most smart electricity meters in offices register consumption every 15 minutes. Gauges are available in Planon and used in the Sustainability solution.

Procedure

1. Go to Supporting data > Counter & Gauge definitions.
2. At Counter & gauge definitions, click Add.
3. In the data panel, complete the relevant fields. For more information on the available fields, see Gauge definition fields and Counter definition fields.

Adding gauging equipment

Register the gauging equipment that is needed to collect your sustainability monitoring data. You can link gauging equipment and the associated gauges to either a property or a department.

Procedure

1. Go to Monitoring > Gauges.
2. At Properties, select the property to which you want to add the gauging equipment. If you want to link the gauging equipment to departments instead, select Non-property related data from the list of properties.
3. At Gauging equipment, click Add Asset.
4. In the data panel, complete the relevant fields.

Field	Description
Asset tag	Enter the asset tag to identify the equipment.
Attribute	By clicking **Attribute set** on the action panel, you can include additional properties. If you do so, these properties will be displayed here.
Brand	Specify the brand name of the equipment.
CAD/CAD Integrator symbol name	Specify the symbol name.
Classification group	Select a classification group for the gauging equipment.
Code	Auto-generated code of the equipment; can be modified.
Date first used	The date on which the equipment was operational.
Department	Enter the department to which the equipment belongs.
Description	Enter a description of the equipment.
Entry date	The date on which the equipment was received.
Information	Enter (important) information about the equipment for later reference.
Location assignment	This field displays the location details of the gauging equipment.
Manufacturer	Specify the equipment manufacturer.
Move date	The date on which the equipment was moved.

Field	Description
Of person	Indicate the equipment owner.
Photo	Here, you can upload a photo of the equipment.
Property	Displays the property where the equipment is installed.
Service company	Specify the service company whom to contact for servicing the equipment.
Simple	Indicate whether the equipment is a single asset.
Space	Displays the space where the equipment is installed.
Supplier	Specify the supplier of the equipment.
User-defined status	Specify the equipment's status.

5. Click Save.

Adding gauges

Add the gauges that are needed to collect your sustainability monitoring data.

Procedure

1. Go to Monitoring > Gauges.
2. At Gauges, click Add.
3. In the data panel, complete the relevant fields. For more information on the available fields, see Gauge fields.
4. Click Save.

Adding gauge readings

You can add the reading values that have been registered for the selected gauge. You can enter data manually, but typically this data will be provided by your service provider via an interface.

Procedure

1. Go to Monitoring > Gauge readings.
2. At Gauges select the relevant gauge.
3. Select Gauge readings and click Add.

4. In the data panel, complete the relevant fields. For more information on the available fields, see Gauge reading fields.
5. Click Save.

A new gauge reading has been added. In order to add this new reading to the day totals of gauge readings for the selected gauge, follow the procedure under Totaling gauge readings per day.

Totaling gauge readings per day

IMPORTANT: From release L80, the **Meter structure** feature switch is available. When this feature switch is enabled, all **Daily meter readings** are moved to **Regular meter readings** in the background. The **Migrated to accumulated meter readings?** field will be automatically set to **Yes**. If not all readings have been converted, you can use the **Convert to accumulated reading** action to convert daily meter readings to regular meter readings.

On the **Gauge readings per day** selection step you can see the totals of readings per gauge per day. The (re-)calculation of the totals is a manual action, as is described in the following procedure. You can update the gauge reading day totals for the selected gauge, after a new reading has been added.

Procedure

1. Go to Monitoring > Gauge readings
2. At Gauges select the gauge for which a new reading was recorded that must be added to the gauge's day total.
3. Select the Gauge readings selection level.
4. Select the Gauge reading per day selection step and select the new reading.
5. Click Calculate on the action panel. The day's totals are now updated.

This button remains grayed out for readings that are already added to the total.

Cleaning up compact gauge readings

Compact gauge readings provide a mechanism to process large numbers of readings per meter. These readings are accumulated into regular gauge readings per day.

In order for a gauge to register 'compact readings', you must set the **Accumulating meter?** field (see Gauge fields) to **Yes**. If the setting is **No**, the gauge can only register regular gauge readings of the type 'not compact'. If set to **Yes**, the compact gauge readings will be accumulated in a day reading - if they are registered on one day.

Once the compact gauge readings have been accumulated to one reading per day and the details of the compact gauge readings are no longer needed, they can be removed. For this purpose, you can use the **Clean up** action.

Procedure

1. Select the meter reading you want to delete.
2. From the action panel, click **Clean up**.

> The clean-up action is only available if **Accumulated reading?** and **Recalculation required?** on the regular meter reading are set to **Yes**.

The compact gauge readings are now deleted and the reading value is calculated and copied to the **Deleted compact reading** field of the regular meter reading. This field registers the summarized reading value of the readings deleted so far.

Adding gauge reading details

You can add additional information in the shape of a log message to a gauge reading value. You can enter data manually, but typically this data will be provided by your service provider via an interface.

Procedure

1. Go to Monitoring > Gauge readings.
2. At Gauge readings, select the relevant gauge reading for which you want to add additional information.
3. Select Reading details and click Add.
4. In the data panel, complete the relevant fields.

Field	Description
Code	Enter a code for the gauge reading detail.
Readings	Field displays information on the reading.
Log message	Enter the log message you want to link to this reading.

5. Click Save.

A new log message has been added to the reading, as gauge reading detail.

Adding counting equipment

You can register the counting equipment that is needed to collect your sustainability monitoring data. You can link counting equipment and the associated counters to a property.

To add Counting equipment

Procedure

1. Go to Monitoring > Counters.
2. At Properties, select the property to which you want to add the counting equipment.
3. At Counting equipment, click Add Asset.
4. In the data panel, complete the relevant fields.

Field	Description
Asset tag	Enter the asset tag to identify the equipment.
Attribute	By clicking **Attribute set** on the action panel, you can include additional properties. If you do so, these properties will be displayed here.
Brand	Specify the brand name of the equipment.
CAD/CAD Integrator symbol name	Specify the symbol name.
Classification group	Select a classification group for the gauging equipment.
Code	Auto-generated code of the equipment; can be modified.
Date first used	The date on which the equipment was operational.
Department	Enter the department to which the equipment belongs.
Description	Enter a description of the equipment.
Entry date	The date on which the equipment was received.
Information	Enter (important) information about the equipment for later reference.
Location assignment	This field displays the location details of the gauging equipment.
Manufacturer	Specify the equipment manufacturer.
Move date	The date on which the equipment was moved.
Of person	Indicate the equipment owner.
Photo	Here, you can upload a photo of the equipment.

Field	Description
Property	Displays the property where the equipment is installed.
Service company	Specify the service company whom to contact for servicing the equipment.
Simple	Indicate whether the equipment is a single asset.
Space	Displays the space where the equipment is installed.
Supplier	Specify the supplier of the equipment.
User-defined status	Specify the equipment's status.

5. Click Save.

Counting equipment has been created.

Adding counters

Add the counters that are needed to collect your sustainability monitoring data.

Procedure

1. Go to Monitoring > Counters.
2. At Counters, click Add.
3. In the data panel, complete the relevant fields. For more information on the available fields, see Counter fields.
4. Click Save.

Adding counter readings

To add the reading values that have been registered for the selected counter. You can enter data manually, but typically this data will be provided by your service provider via an interface.

To add counter readings

Procedure

1. Go to Monitoring > Counter readings.
2. At Counters select the relevant gauge.
3. Select Counter readings and click Add.
4. In the data section, complete the relevant fields.

Field	Description
Meter	Displays the code of linked counter.
Reading date/time	Enter the date-time of the counter reading.
Reading value	Enter the registered value.
Unit of measurement	Displays the unit of measurement that applies to the counter reading. If you specified a unit of measurement on the counter, the counter readings will automatically have the same unit of measurement.
Recyclable	Meters measure physical quantities or service usage, such as water, temperature, waste etc. On the counter definition, you can specify if the item measured by a meter is recyclable (**Yes**/**No**). If you specify this field on the gauge/counter definition, the **Recyclable** field on the linked gauges/counters and gauge/counter readings will automatically have the same value.
Consumption	This read-only field displays the asset's consumption since the last reading. The calculation is based on the **Reading value** field and the **Reading date-time** field of the current reading and the previous reading.
Comment	If relevant, enter a comment on the counter reading.
Order	Displays the order linked to the counter reading. This field is useful for readings made in Planon Mobile Field Services (PMFS). When a PMFS order with an associated meter reading is sent to the back-office, the reading is entered and the order reference automatically populated.
Standing costs	Displays the fixed amount to be paid. This value is based on the cost profile that was selected while adding a counter and the time period with respect to previous reading.
Unit based costs	Displays the variable cost to be paid. This value is based on the cost profile and the consumption. This value is only calculated if you have set the option **Calculate unit cost** to **Yes** in Field definer > **Business object settings > Meter readings**.
Emission	Displays the amount of CO_2 emitted. This value is based on the impact area that was defined while adding a counter. This value is only calculated if you have set the option **Calculate CO2** to **Yes** in Field definer > **Business object settings > Meter readings**.

Field	Description
Gigajoule	Displays the calculated energy usage in gigajoule. This value is only calculated if you have set the option **Calculate gigajoules** to **Yes** in Field definer > **Business object settings > Meter readings**. Note that this option is set to **No** by default.
User-defined status	If relevant, select a user-defined status from the dialog box available in this field.

Typically, the calculation of the fields **Unit based costs**, **Standing costs**, **Emission** and **Gigajoule** is triggered when a reading is added or updated. Sometimes it is useful to trigger the calculations on request. In this case, you can use the **Recalculate meter readings** action on **Meters** to trigger the (re)calculation of these fields from a given date.

5. Click Save.

A new counter reading has been added.

Adding weather stations

You can add the weather stations used to calculate degree days.

Procedure

1. Go to Monitoring > Degree days.
2. Click the Properties selection level and select the property/ -ies to which you want to link a weather station
3. Select the Weather stations selection level.
4. Click Add Asset on the action panel.

Weather station is a user-defined business object, under **Base Asset**.

5. In the data panel, complete the relevant fields.

Field	Description
Code	This field is auto-populated with a generated code.
Weather station ID	Enter the ID of the weather station.
Description	Enter a description of the weather station, for example its name and geographic coordinates.
Status	Field displays the current status of the weather station: **Idle** or **In use**.

Field	Description
Comment	If relevant, enter a comment on the weather station.
Remark	If relevant, enter a remark on the weather station.

6. Click Save.

Adding degree day definitions

You can add definitions for heating degree days and cooling degree days. Heating degree days are a measure of how much (in degrees) and for how long (in days), the outside air temperature was below a certain level (the building's base temperature). Cooling degree days are a measure of how much (in degrees) and for how long (in days), the outside air temperature was above a certain level.

Procedure

1. Go to Monitoring > Degree days.
2. On the Properties selection level, select the relevant property/ -ies.
3. Go to the Weather station selection level, select the weather station for which you want to register degree days.
4. Go to Definitions, and click Add.
5. In the data panel, complete the relevant fields.

Field	Description
Code	Field is auto-populated with the degree day definition code.
Description	Enter a relevant name for the degree day definition.
Meter classification	Link a relevant meter classification to the degree day definition.

6. Click Save.

Adding measuring equipment

You can add the equipment that reads the degree day values to the selected weather station. If you use a web service to register degree day readings, the readings will be added on the **Degree days** selection level for each piece of equipment that you add on this level. Example: you can have one piece of equipment for the registration of cooling degree days and one for registration of heating degree days.

If you decide to subscribe to third-party services, for example DegreeDay.net, you require a license.

Procedure

1. Go to Monitoring > Degree days.
2. Click the Properties selection level to select the relevant property/ -ies.
3. At the Weather station selection level, select the relevant weather station.
4. At Definitions, select the relevant degree day definition.
5. At Measuring equipment, click Add.
6. In the data panel, complete the relevant fields.

Field	Description
Code	This field is auto-populated with a code for the measuring equipment.
Description	Enter a logical, recognizable description for the measuring equipment. For example: include part of the linked weather station's name in this description and add the equipment's reference number or an abbreviation.
Asset	This field displays the linked weather station.
Meter definition	This field displays the linked meter definition. In **Monitoring**, meter definitions are either for heating degree days or for cooling degree days.

7. Click Save.

Adding degree days

Add the heating degree days and cooling degree days that apply to your properties. Degree days can help organizations to measure and analyze energy usage in different weather conditions. In Planon you can manually add degree day data, but you can also subscribe to a web service to download data from an external party, for example Degree days.net.

To manually add degree days, follow the procedure below.

Procedure

1. Go to Monitoring > Degree days.
2. Click the Properties selection level to select the relevant property/ -ies.
3. At the Weather station selection level, select the relevant weather station.
4. At Definitions, select the relevant degree day definition.

5. At Measuring equipment, select the equipment for registering either cooling degree days or heating degree days.
6. At Degree days, click Add.
7. In the data panel, complete the relevant fields.

Field	Description
Meter	This field displays the code of the measuring equipment for which the degree days are registered.
Reading date-time	Enter the date and time when the reading took place.
Reading value	Enter the degree days reading for that date and time.

8. Click Save.

A new degree days record has been added.

Audits in Sustainability

The **Audits** solution is used to register sustainability audit data, based on world standards such as BREEAM-in-use or LEED-existing buildings. After an audit is conducted and the data have been assembled and processed, the results can be shown in reports and dashboards and analyzed.

Setting up audit data

The following diagram shows the process of setting up your sustainability audit data in Planon.

The audit process includes the following steps:

- Register sustainability details.

  The sustainability details are registered for audit purposes, since leading third-party auditors such as BREEAM require this kind of information. Sustainability data is registered in **Supporting data – Additional property information**. For more information, see Adding sustainability details.

- Set up questionnaires for audits

  In Planon, you can create questionnaires for audits based on international standards, including categories, questions and possible answers. For more information, see Setting up questionnaires for audits.

- Plan an audit program for your organization, for a specific period and/or sub-portfolio.
- Conduct the audit. For more information, see Conducting audits.
- Approve the audit (by the external auditor)
- Generate sustainability dashboards

  Sustainability dashboards are displayed on a dedicated webpage. By going to Monitoring > Sustainability dashboards you are routed to this page where the aggregated sustainability data can be presented in relevant graphs by selecting specific impact areas, KPI types and locations. The generated dashboards enable you to instantly analyze information on CO_2 emissions, costs, energy consumption, degree days or audits. For more information, see Sustainability dashboards.

Setting up questionnaires for audits

You can create audit questionnaires based on world standards such as BREEAM-in-use or LEED-existing buildings. At the Audits > Audit templates manager > Auditing standards selection level, the relevant audit categories are defined.

- The BREEAM standard has nine categories:

  1. Management
  2. Health and Wellbeing
  3. Energy
  4. Transport
  5. Water
  6. Materials
  7. Waste
  8. Land use & Ecology
  9. Pollution

  Scores can be obtained per category and through qualitative weighting a total score is obtained. Within bandwidths the total score of the examined building receives a qualification on the certificate: Pass, Good, Very Good, Excellent or Outstanding.

- The LEED-existing-buildings standard has the following categories:

  01. Location and Transportation
  02. Sustainable Sites
  03. Water Efficiency
  04. Energy and Atmosphere
  05. Materials and Resources
  06. Indoor Environmental Quality
  07. Innovation
  08. Regional Priority Credits

Please be aware that you should always have a valid license for the selected audit standard. Planon does **not** deliver this license. Planon can upload the BREEAM categories, questions and answers by data import. Planon delivers the functionality to calculate scores but does **not** deliver the scores per answer.

Audit questionnaires and categories are set up at Audits > Audit templates manager > Auditing standards. For audit questionnaires and categories, the following fields are relevant:

Field	Description
Code	Enter a code for the audit questionnaire.
Description	Enter a relevant name for the questionnaire.

Field	Description
Weight percentage	Enter a number that is used to calculate the weighted percentage of scores in the **Questionnaire** tab on orders. The purpose of a weight factor on questionnaire is to average the scores at various levels in the sub-questionnaires. This feature only applies to sub-questionnaires.
Linked questions	Displays the questions that are linked to the questionnaire.
Translated name	Enter translations for the questionnaire name if you are working in a multilingual environment.
Audit?	Specify if the questionnaire is an audit or not. Select **Yes** to define a questionnaire with a hierarchical structure (sub questionnaire) and scores. This setting applies to all sub-questionnaires and cannot be changed after saving the questionnaire.
Maximum score	Enter a maximum score value for a questionnaire. This value is used to restrict the score for a questionnaire. If this field does *not* contain a value, Planon uses the value of the **Maximum score - calculated** field as maximum score.
Maximum score - calculated	This field displays the calculated maximum score.
Used in standard order	Displays the linked standard order.

Defining questions and possible answer options

You can register (predefined) questions and answers for the assessment of the environmental performance of buildings. Based on the answers given, scores are calculated. Go to Audits > Audit templates manager > Questions / Answer options to define the relevant audit questions, and the scores per possible answer.

For questions, the following fields are available:

Field	Description
Code	Enter a relevant code for the question.
Description	Enter a relevant description of the question.

Field	Description
Mandatory?	Indicate whether the question is mandatory or not.
Default answer	Enter a default answer to the question. Depending on the type of question this either is a date, time, numerical value or a single-line/multi-line answer.
Score method	Select a method to score open questions of type: Single-line/ Multi-line text, Date-time, Decimal or Integer. The score is calculated based on the option selected from the following list: **Fixed score** – Displays non-editable score field on the questionnaire form. **Open score** – Displays editable score field on the questionnaire form. **No score** – Score field will not be displayed on the questionnaire form.
Single select option type	Select the type of question field that you want to use (Radio button group or Combo box group).
Options will have scores	Select **Yes** to have scores for options. This field is only available for single select and multi-select question types.
Maximum score value	Enter a maximum score value for a question. This value is used to restrict the score for a question. If this field does *not* contain a value, Planon uses the value of the **Maximum calculated score value** field as maximum score.
Maximum calculated score value	This field displays the calculated maximum score.
Linked questionnaires	Displays the questionnaire(s) that are linked to the question.
Translated name	Enter translations for the question if you are working in a multilingual environment.

For answers, the following fields are available:

Field	Description
Code	Enter a relevant code for the answer option.
Description	Enter a relevant description of the answer option.

Field	Description
Question	Select the question to which this possible answer must be linked.
Default value?	Select Yes to display the answer option as the initial value for the selected question.
Sequence number	Enter any number between 0 and 9999 (inclusive). The sequence number is used to display answers according to the given sequence.
Score value	Enter a score value for the answer option.
Translated name	Enter translations for the answer option if you are working in a multilingual environment.

Conducting audits

You can assess, rate and certify the sustainability of your building(s).

Procedure

1. Plan your audit program for the required period and (sub) portfolio.
2. Go to Audits > Audits.
3. On the Audits selection level, add an audit (= order) for each planned audit.
4. Complete the following data fields:

Field	Description
Number	Number of the audit. Auto-populated on creation of the record.
Standard order	Select the standard order on which the audit is based.
Description	Enter a relevant description of the audit.
Parent level	Displays the main audit.
Property	Enter the property to which the audit applies.
Order group	Enter the relevant order group for the audit.
Status	Initial status generated by system. Further changes carried out by user.
Start date & time	Enter the audit's start date and time.

Field	Description
End date & time	Enter the audit's end date and time.
Comment	Enter any comments, if required.
Communication logs	Add relevant communication logs, if required.

5. Click Save to save your audit data.
6. Set the audit's status to Audit in progress.
7. Select the relevant audit and go to the Questionnaire tab.
8. At the Questionnaire tab, select the right answer per question.
9. Go to the Communication logs tab.

   Here you can add user comments and communication logs per question as audit evidence, where required.

   After you have answered all questions, the auditor can proceed by checking the answers given (based on the evidence you provided at the **Communication logs** tab).

10. Next, set the audit's status to Audit on hold. The audit can now be assessed in detail by the auditor. The external auditor can validate the audit.
11. To validate an audit, its status has to be set to Audit finalized. Planon will now calculate the scores.
12. If the auditor cannot validate the audit, he can add his comments (at audit level or at individual questions).

Reporting

For Sustainability, the **Energy and sustainability** system report is available.

The **Energy and sustainability** system report provides an overview of the carbon emissions of one or more properties based on the impact area, for the current year and the three previous years. These calculations are based on the meter readings in Planon.

Generating the Energy and sustainability report

Procedure

1. Go to the Properties selection level of the Meters TSI, or any TSI that has the Properties selection level.
2. Select the property/-ies for which you want to generate the report.

In this report, all the meters are included that are linked to:

- the selected property/-ies
- an impact area

By default, all meters are included in your report. If required, you can exclude meters from your report. For more information, see Excluding meters from reports and dashboards.

3. On the action panel, click Report.

   The Reporting window opens.

4. Click the System reports tab.
5. Select the Energy and sustainability report.
6. Go to the report settings and specify the **Property grouping level**. You can choose from the following settings:
   - **Show total overview**: to show the report for all properties in just one overview.
   - **Show an overview per selected property**: to show the overview per property. If multiple properties are selected, the report shows an overview per property. Every overview starts on a new page.
   - **Show total overview and overview per property**: This is a combination of option 1 and 2. The report provides a comprehensive overview of all properties, followed by individual results for each property. Each property's results are presented on a separate page.
7. Select relevant output options for your report:
   - **Preview & print**: enables you to preview and print a version of your report.

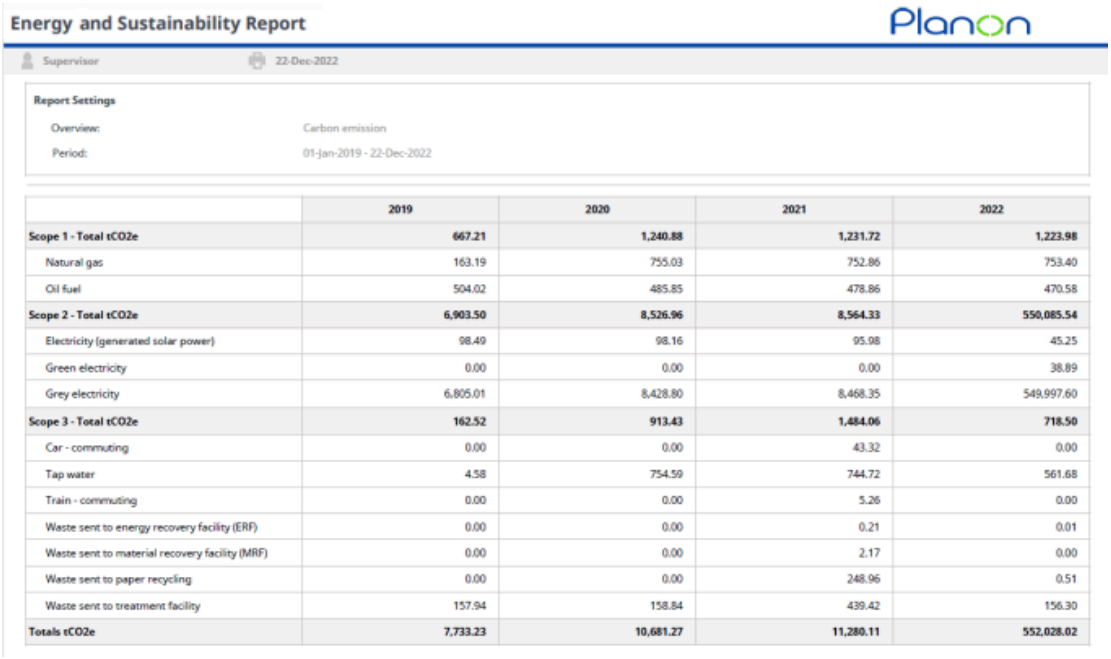
- **Save as**: enables you to select an export format. You can choose between the PDF, HTML, CSV formats and three different XLS formats.

For more information on the data displayed in this report, see Data in the Energy and sustainability report. For more information about reporting in general, see Report Manager.

Data in the Energy and sustainability report

The **Energy and sustainability** system report can be applied on multiple properties.

The emission figures are grouped based on the four levels of the impact area linked to the meter. The top level shows the total of the reading values of meters linked to the first and second impact area sublevels.



Energy and Sustainability Report

Planon

Supervisor 22-Dec-2022

Report Settings

Overview: Carbon emission

Period: 01-Jan-2019 - 22-Dec-2022

	2019	2020	2021	2022
Scope 1 - Total tCO2e	**667.21**	**1,240.88**	**1,231.72**	**1,223.98**
Natural gas	163.19	755.03	752.86	753.40
Oil fuel	504.02	485.85	478.86	470.58
Scope 2 - Total tCO2e	**6,903.50**	**8,526.96**	**8,564.33**	**550,085.54**
Electricity (generated solar power)	98.49	98.16	95.98	45.25
Green electricity	0.00	0.00	0.00	38.89
Grey electricity	6,805.01	8,428.80	8,468.35	549,997.60
Scope 3 - Total tCO2e	**162.52**	**913.43**	**1,484.06**	**718.50**
Car - commuting	0.00	0.00	43.32	0.00
Tap water	4.58	754.59	744.72	561.68
Train - commuting	0.00	0.00	5.26	0.00
Waste sent to energy recovery facility (ERF)	0.00	0.00	0.21	0.01
Waste sent to material recovery facility (MRF)	0.00	0.00	2.17	0.00
Waste sent to paper recycling	0.00	0.00	248.96	0.51
Waste sent to treatment facility	157.94	158.84	439.42	156.30
Totals tCO2e	**7,733.23**	**10,681.27**	**11,280.11**	**552,028.02**

Excluding meters from reports and dashboards

By default, all meters are included in reports and dashboards. If required, you can exclude meters from your reports and dashboards using the **Include for reporting?** setting on meters. This setting allows to specify *per meter* if it should be included in reports/dashboards. By default, this setting is set to **Yes** for all meters. If there are (sub)meters that you do not want to include in your report or dashboard, you must set the setting to **No** for these specific meters. For more information on the available settings for meters, see Counter fields and Gauge fields.

Note the following:

- System reports only take into account the meters with **Include for reporting?** set to **Yes**.

- For user reports and dashboards, you can use the **Include for reporting?** setting to filter the meters before running the report or dashboard.

Projects & activities in Sustainability

The **Projects and Activities** processes can be used to manage sustainability projects.

For more information on managing projects in Planon ProCenter , see Projects.

Sustainability dashboards

Sustainability dashboards can only show meaningful data if sufficient key performance indicators (KPIs) and other relevant base data is entered for the time frame which is defined in the dashboard templates. After gathering your sustainability data and registering it in the TSIs in **Monitoring**, **Audits** and **Supporting data**, you can generate sustainability dashboards of various types.

Sustainability dashboards are displayed on a dedicated web page. By going to Monitoring > Sustainability dashboards, you are routed to the page where the aggregated sustainability data can be presented in relevant graphs by selecting specific impact areas, KPI types and locations. The generated dashboards enable you to instantly analyze information on CO_2 emissions, costs, energy consumption, degree days or audits. With a few mouse-clicks you are able to see your current sustainability performance and identify which areas are doing alright and which areas are falling behind.

For more information on configuring sustainability dashboards, see Configuring sustainability dashboards.

Generating dashboards for sustainability monitoring

You can retrieve data on your buildings' or department's energy consumption, costs and CO_2 emissions in a bar chart. This allows you to immediately identify excessive consumption, emission or costs in your building portfolio and gives you a clear view on the interrelationship of these aspects.

Procedure

1. Go to Monitoring > Sustainability dashboards and log on.

Note: this procedure serves as an example for the many dashboards you can generate here.

2. On the Planon Sustainability dashboard web page, click the vertical Monitoring tab (left-hand side of your screen).
3. In the horizontal selection bar, select Impact area.

You can choose whether your impact area should be Department related or Property related.

4. Select Property related.
5. Select a scope. You can choose between scopes with a direct or indirect impact on your sustainability.

6. Select Scope 2 – Direct- Electricity.
7. Select a KPI type, which determines the way KPIs are presented: as totals, per workstation, per m^2 of rentable floor area or per headcount.
8. Select Totals.

Note that the countries on the map turn green and can now be selected.

9. Hover over the map and click Europe > United Kingdom > England.
10. Go to the horizontal selection tab Property type.
11. Hover the cursor over the options and select Building and Infrastructure. Both are highlighted. Notice that the text under the vertical selection tab is Multiple property types.
12. Go to the horizontal selection step Properties. Hover your cursor over the text and select Columbus Square.
13. The Prepare charts button turns blue now.

14. Click the button.

The dashboards will show data on the selected property, such as the electricity consumption, CO_2 emissions and costs over 5 years.

For more information about configuration and a more detailed description, see also: Sustainability and REM dashboards.

Generating dashboards for sustainability audits

You can generate sustainability audit charts on:

- the number of sustainability audits held in your property portfolio over the years,

- audit scores per questionnaire and per issue.

Procedure

1. Go to Monitoring > Sustainability dashboards and log on.

Note: this procedure serves as an example for the many dashboards you can generate here.

2. On the Planon Sustainability dashboards web page, click the vertical Audits tab (left-hand side of your screen).
3. In the horizontal selection bar, select KPI type.

You can select either Number of audits or Scores overview.

4. Select Scores overview.
5. Do not make a selection on the horizontal selection step Region on map, to include all countries.
6. Do not make a selection on the horizontal selection step Property type, to include all property types.
7. Do not make a selection on the horizontal selection step Properties, to include all properties.

The Prepare charts button is blue.

8. Click the button.

The dashboard shows data on the selected KPI type, region and properties; in this case the Scores overview for audits held in all properties.

9. Click a category in the chart, to drill down to the issues in the questionnaire.

   These issues in the chart show the spread in scores per issue.

10. Click an issue with a striking score spread (large cross) in the chart, to drill down to the questions in the questionnaire.
11. Click a question with a score spread that stands out and you will drill down to the answer scores (%) given per property.

For more information about configuration and a more detailed description, see also: Sustainability and REM dashboards.

Generating specific dashboards

You can also generate specific charts, for example on degree days in relation to energy consumption.

Procedure

1. Start Monitoring > Sustainability dashboards and log on.

Note: this procedure serves as an example for the many dashboards you can generate here.

2. On the Planon Sustainability dashboards web page, click the vertical Specific tab (left-hand side of your screen).
3. In the horizontal selection bar, select Impact area > Property related > Scope1-Direct-Gas.
4. Next, at the KPI type selection step, select Totals.
5. At Region on map, select Europe > United Kingdom > England > London by clicking the proper areas in the map.
6. At Property type select Building.
7. At Properties, select Columbus square.

The Prepare charts button is blue.

8. Click the button.

The dashboard shows data on heating degree days and gas consumption over five years at Columbus square.

9. Click a specific year in the chart to drill down to more detailed information. You will see the gas consumption per month in relation to heating degree days and cooling degree days.
10. Click a specific month to see the gas consumption per day in relation to heating degree days and cooling degree days.

For more information about configuration and a more detailed description, see also: Sustainability and REM dashboards.

Sustainability & REM dashboards - detailed overview

Dashboard web pages can show you aggregated data for a specific part of Planon shown in graphs. With a set of menu items you can choose the topics that will be shown.

This document describes the configuration of the Planon Sustainability and Real Estate Management (REM) Dashboards. Both are *Planon Self-Service* modules.

The former name for REM (Real Estate Management) dashboards was CRE (Corporate Real Estate) dashboards, in some names the old abbreviation is still used.

For more information about *Planon Self-Service* configuration, see Web Configuration.

- To use the dashboards you must have Flash player installed.
- The URL of REM, SUS and AWM dashboards cannot directly be used from the **Web configuration** TSI. These dashboards should be opened via a navigation item.

Configuring sustainability dashboards

Creating a Site

Procedure

1. Start *Planon ProCenter* **> Web configuration**.
2. At the **Site** selection level, click **Add**.
3. Fill in the **Code**, **Name** and **URL** fields and save your settings.

Field	Value	Description
Code	<text>	Enter a code for the site (free)
Description	<text>	Enter a description of the site (free)
Site URL	http://pa-demo:18070/pss/case	Planon Self-Service site, populated by default (not used by REM and SUS modules).
Redirect URL	-	Not used by REM & SUS Dashboards.
CSS	<text>	CSS style for the site (please refer to the Planon Self-Service documentation)

Configuring the Sustainability dashboard

Procedure

1. Go to **Web configuration > Sustainability Dashboards**.
2. Click on the **Add** button.
3. Fill in the **Code**, **Description** fields and fill in the other tab fields as described below.

General tab

Field	Value (example)	Description
Number of years	4	This speficies the number of years of data to be retrieved.
Default region	W, World	This is the default region when a user logs in to the Dashboard.
Department related impact area	D	This allows users to select the impact area (impact area code).
Disabled map color	#AAAAAA	This is the hexa code for the map to be colored with when disabled.
Map fill color	#92C400	This is the hexa code for the map to be colored with when enabled.
Show shadow for map	YES/NO	
Show bevel for map	YES/NO	
Show canvas border for map	YES/NO	
Border color of map	#FFFFFF	This is the hexa code for the map border to be colored with .
Mouse over color of map	#006699	This is the hexa code for the map border to be colored with when mouse hoovers over it .
Background alpha for map	YES/NO	

Field	Value (example)	Description
Map background mode	transparent	Allows to define the background of the map.
Ignore Property Types	Departement related assets	Allows to select the type of property which should be ignored on the Dashboard.

KPI Types tab

KPI (Key Performance Indicator) reports come in the form of a dashboard.

The dashboard allows management to quickly view various key performance indicators, what these indicators measure, how they currently perform and whether these indicators have improved or worsened over time. In the section below, you can see the configurable KPIs displayed.

Field	Value (example)	Description
KPI types	Totals, Per m2 RFA, Per Headcount, Per Workstation	KPI types for properties impact area.
Department related KPI types	Totals, Per Headcount	KPI types for department impact area
Audits Page KPI types	Number of Audits, Scores Overview	KPI types for Audits page
Specific Page KPI types	Totals	KPI types valid for Specific page
CO2 Unit	<unit of measurement>	This field specifies the unit of measure for the field type that is used on the graph.
Consumption Unit	<unit of measurement>	This field specifies the unit of measure for the field type that is used on the graph.
Cost Unit	<unit of measurement>	This field specifies the unit of measure for the field type that is used on the graph.

Field	Value (example)	Description
Audits From Unit	<unit of measurement>	This field specifies the unit of measure for the field type that is used on the graph.
Audit To Unit	<unit of measurement>	This field specifies the unit of measure for the field type that is used on the graph.
Specified HDDCDD Unit	<unit of measurement>	This field specifies the unit of measure for the field type that is used on the graph.

Configuring REM dashboards

REM Dashboard configuration

Procedure

1. Go to **Web configurations > REM Dashboards**.
2. Click on the **Add** button.
3. Fill in the **Code**, **Description** fields and fill in the other tab fields as described below.

General tab

Field	Value	Description
Available Dashboard pages	Portfolio, Budgets, Commitments, RentableUnits, Space, Valuations, Specific	All the pages which will be avialable to users should be specified here.
Number of years	4	This speficies the number of years of data to be retrived.
Default region	W, World	This is the default region when a user logs in to the Dashboard.
Department related impact area	D	This allows users to select the Impact area.
Disabled map color	#AAAAAA	This is the hexa code for the map to be colored with when disabled.
Map fill color	#92C400	This is the hexa code for the map to be colored with when enabled.

Field	Value	Description
Show shadow for map	YES/NO	
Show bevel for map	YES/NO	
Show canvas border for map	YES/NO	
Border color of map	#FFFFFF	This is the hexa code for the map border to be colored with.
Mouse over color of map	#006699	This is the hexa code for the map border to be colored with when the mouse hoovers over it .
Background alpha for map	YES/NO	
Map background mode	transparent	Allows to specify the background of the map.
Properties Latitude Field	FreeString42	This is the free field used to store the Latitude on BO Property.
Properties Longitude Field	FreeString41	This is the free field used to store the Longitude on BO Property.
Ignore Property Types	<list of property types>	This allows to select the type of property which should be ignored on the Dashboard.
Month and Day Fields		This field allows to specify the reference day and month to be applied on all the Dashboard selection.
Google maps key		Use this field to register a valid API key. If you do not have this key, Google

Field	Value	Description
		Maps will not work. For more information on how to get an API key, see https://developers.google.com/maps/documentation/javascript/get-api-key#get-an-api-key. Note that the SUS dashboards and AWM dashboards use the same key.

Cost drivers

Cost drivers are nothing but KPI types. For more information on KPI types, see KPI Types tab.

The following fields are available on the **Cost drivers** tab.

Field	Value	Description
Cost drivers	Totals, Per m2 RFA, Per Headcount, Per workstation	KPI type for the REM Dashboard Pages.
Total number of specific charts	2	Number of specific charts.
Number of specific charts per row	One chart per row	Number of specific charts per row.

Property and portfolio fields for Sustainability and REM dashboards

The following fields should be entered to link the properties to the appropriate World map & Google map charts and display them in the portfolio.

Property

Item	Number	Description
DashBoardAreaRef	Reference field to DashboardArea business object. Area on the map where this building is situated. Always link to the deepest level of the tree structure.	LO, London
<Longitude>	Longitude value for Google maps. Configurable field at PSS manager.	-0.41201
<Latitude>	Latitude value for Google maps. Configurable field at PSS manager.	51.57026
Code	Property code for portfolio.	14
Name	Property name for portfolio.	Columbus Square
City	City for portfolio.	London
Address	Address for portfolio.	Columbus Square
HouseNumber	House number for portfolio.	8
PostalCode	Postal code for portfolio.	N6 5TR
District	District for portfolio.	Londen
Country	Country for portfolio.	United Kingdom

Portfolio

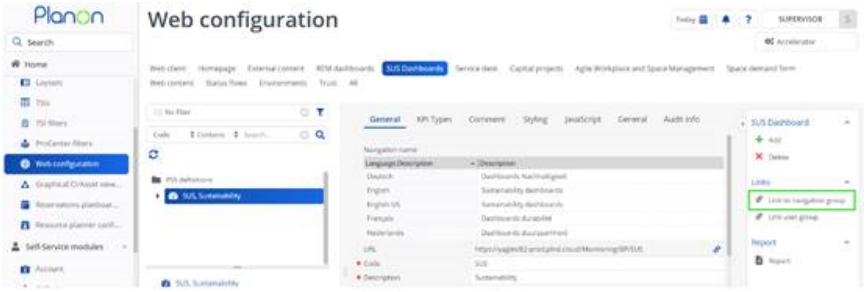
Field	Value	Description
PortfolioManager	Portfolio manager	Newman, T Terry

Field	Value	Description
PortfolioStrategyRef	Portfolio strategy	Hold
TenureRef	Portfolio tenure	Leased
NetLettableArea	Portfolio space in m2 RFA	4600

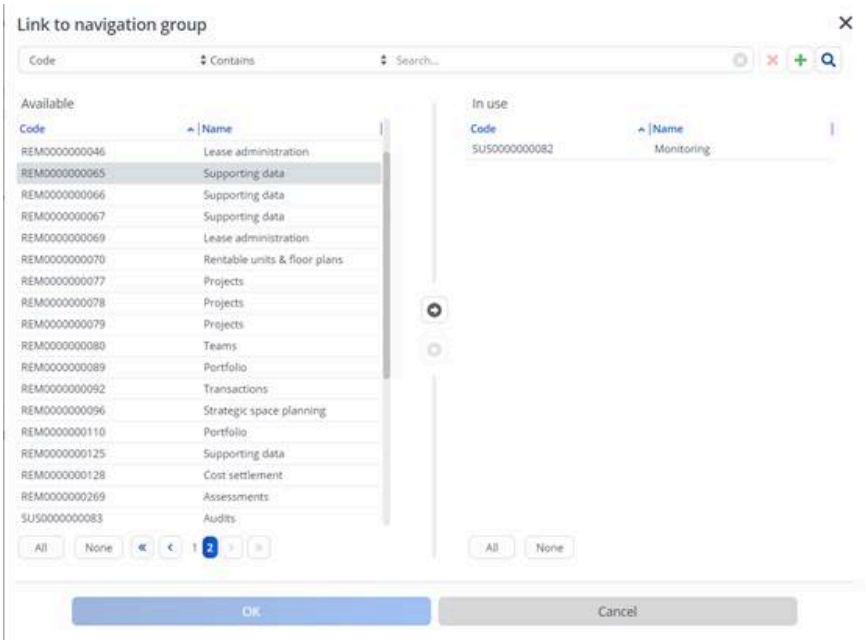
Making dashboards available in the navigation panel

Procedure

1. Go to **Web configurations > REM Dashboards / SUS Dashboards**.
2. Under **PSS definitions**, select the relevant dashboard web definition.
3. On the **Links** action panel, click **Link to navigation group**.



4. The **Link to navigation group** dialog box opens.
5. In the **Available** section, select the navigation group(s) in which you want to make the dashboard available and move them to **In use**.



6. Click **OK** to close the dialog box.

Using dashboards

Launching the Dashboard homepage

Procedure

1. Open your browser and type in: *http://<SystemName>:<web server Port Number>/pss/*
2. Log in with your user name and password. You can see the Dashboard home page.

You can choose between REM or SUS Dashboards.

Dashboards

Page components

There are 3 main components: Menu, Reference Date and Show Charts.

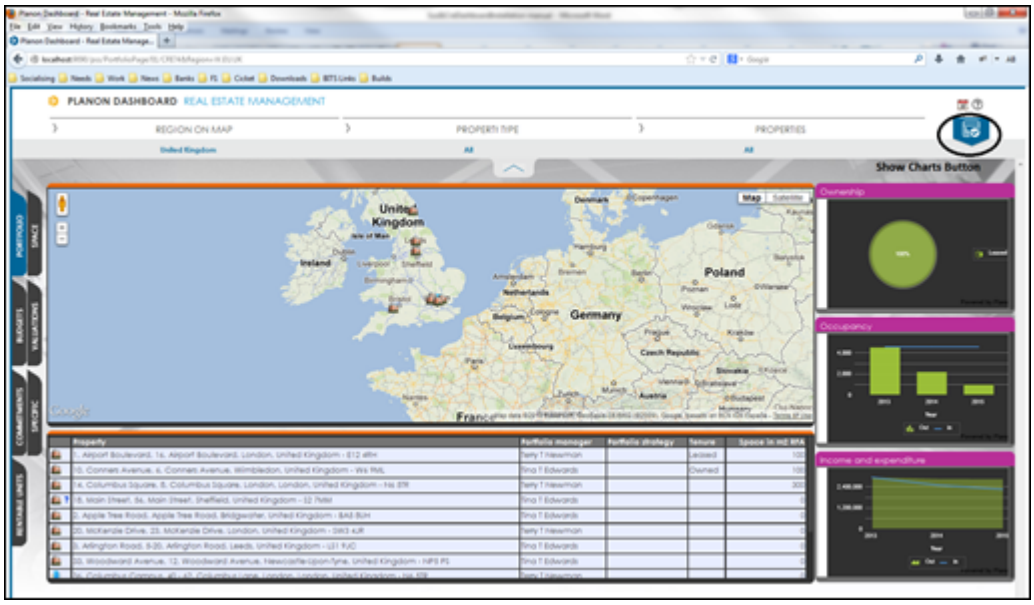
The reference date can be changed by clicking on calendar icon on right side. New date can also be selected. This date will be active until the current session is active.

Reference date is set on the general tab while configuring REM Dashboard.

Each tab represents a different type of page (Portfolio, Budgets, Commitments, RentableUnits, Space, Valuations, Specific).

Show charts button

Based on the selection of menu, this button will show the Dashboard charts.



Specific page configuration

The Dashboards application has a **Specific** tab to add customer specific Dashboards.

- The vertical tab has horizontal tabs for Region/Property type/ Properties (only these horizontal tabs).
- The tab has an option to add additional frames by a consultant as a configuration setting.
- At each frame, a consultant can link a *Self-Service* chart including the selection with the relative property set.

With this functionality, a consultant or a customer with little advanced knowledge of SQL for *Self-Service* can create a new chart and link it to a frame. End users can use the standard property selection mechanism at the tab, including the fix of the property selection. When retrieving the charts, all linked frames will be populated with charts based on the current property selection and the linked chart definition in *Self-Service*.

Result: More flexibility in charts usage with the same easy to use interface. When many customer specific charts are required, the user has to develop his/her own Dashboard page.

Configuring SUS dashboards for audits based on questionnaire

Dashboard webpages can show you aggregated data for a specific part of Planon in graphs.

With a set of menu items you can choose the topic that will be shown. This document describes the configuration to be done in order to support Audits dashboards with Standard Order and Order module.

This section consists of 2 parts:

- Configuration of business objects (BOs)
- Dashboard query changes with respect to new BO configuration

Configuring business objects

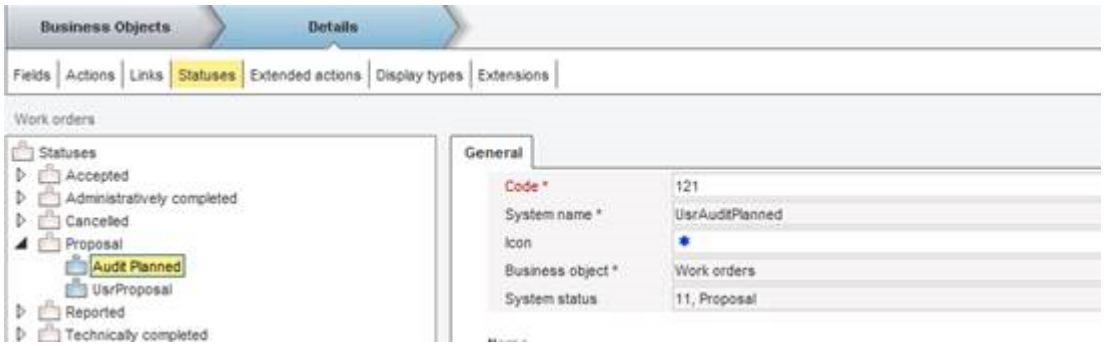
Creating statuses for Work order

Procedure

1. Go to **Field definer**, select the Order BO and set it under construction.
2. Select the Work order BO and go to the **Details** selection level.
3. Select the **Statuses** selection step.
4. Under **Proposal** status, create a new status with system name AuditPlanned, on save which will automatically become UsrAuditPlanned.
5. Also make sure that translations are provided.

Similarly, create the following statuses:

- Under Reported status AuditOnHold
- Under Technically Completed status AuditFinalized
- Under Cancelled status AuditExpired
- Under Accepted status AuditInProgress.



Creating a user-defined BO for Sustainability Audit

To support the Audits dashboard you need to create a new user-defined BO named ‘Sustainability Audit’ under the Work order BO.

Procedure

1. Go to **Field definer**, select the Order BO and set it under construction.
2. Select the Work Order BO and click **Add user-defined**.
3. Enter the system name ‘SustainabilityAudit’ and on save it will become UsrSustainabilityAudit.
4. Enter the description ‘Sustainability Audit’ and set the default status to **Audit Planned** which you created in an earlier section.
5. Enter the translations and save.

Adding status transitions to the Sustainability Audit BO

Procedure

1. Go to **Field definer**, select the Order BO make sure it is under construction.
2. Select the Sustainability Audit BO under the Work order BO.
3. Go to the **Details** selection level and select the **Statuses** selection step.
4. Add the following status transitions.

From Status	To Status
<Empty>	Audit Planned
Audit Planned	Audit InProgress
Audit InProgress	Audit On Hold
Audit On Hold	Audit InProgress

From Status	To Status
Audit InProgress	Audit Expired
Audit InProgress	Audit Finalized
Audit Planned	Audit Expired
Audit InProgress	Audit Planned
Audit On Hold	Audit Expired

5. After creating these status transitions go back to the Order BO and set it to complete and press F9.

Adding a layout for the Sustainability Audit BO

Procedure

1. Go to **Layouts**.
2. Select the **SustainabilityAudit** BO under **Orders > Work order** BO.
3. Go to the **Layout** selection step and click **Copy From**.
4. Select Work order layout and Planon now copies a layout for the Sustainability order, based on Work Order layout.
5. Change the code.
6. Add status transitions.
7. Set the layout to completed.
8. Add this layout to the required TSI and press F9.

Creating a standard order

Procedure

1. As we will be using a standard order as a template, create a standard order of the type ‘Order’.
2. Add three sub orders to this of type Sustainability Audit, one for each audit, asset, building and organization.
3. Assign the corresponding Questionnaires created for these orders.
4. Fill in all mandatory fields.

Creating an order

Procedure

1. Add the order and link it to the main standard order you defined, the end result will be that the suborders of type Sustainability Audit Order will be added to this main order.
2. As you can notice suborders will be linked to the audits for asset, building and organization.

Dashboard query changes with respect to the new BO configuration

Number of audits

Item	Value
Index	055
ID	A01,1,1
Domain	Sustainability
Tab	Audits
Title	Audits <year from year to> multi year
Drill-down from ID	-
Filter	Bo type 'UsrSustainabilityAudit' No audit template Year, field PlannedBeginDate between (<current year> – 4) and <current year> Selected properties
X-axis	Year
Y-axis	Business object: UsrSustainabilityAudit Number of audits (rows), stacked by status value Amounts in configured unit of measurement
KPI type	Number of audits
Extra info	-

Scores overview of audits

Item	Value
Index	056
ID	A01,2,1
Domain	Sustainability
Tab	Audits
Title	Audits, categories
Drill-down from ID	-
Filter	The first level of the questionnaire definition (Asset, Building or Organization) Audit status ‘UsrAuditFinalized’ No audit template Year, audit field PlannedBeginDate between (<current year> – 4) and <current year> Maximal archievable score > 0 Selected properties
X-axis	Category
Y-axis	High: Max(Aggregated score / max. archievable score) * 100 Low: Min(Aggregated score / max. archievable score) * 100 Open: Avg(Aggregated score / max. archievable score) * 100
KPI type	Number of audits
Extra info	-

Item	Value
Index	057
ID	A01,2,2

Item	Value
Domain	Sustainability
Tab	Audits
Title	Audits, issues
Drill-down from ID	A01,2,1
Filter	The second level of the questionnaire definition of the Energy, Waste, etc.) Audit status ‘UsrAuditFinalized’ No audit template Year, audit field PlannedBeginDate between (<current year> – 4) and <current year> Maximal archievable score > 0 Selected properties
X-axis	Issue
Y-axis	High: Max(Aggregated score / max. archievable score) * 100 Low: Min(Aggregated score / max. archievable score) * 100 Open: Avg(Aggregated score / max. archievable score) * 100
KPI type	Number of audits
Extra info	-

Item	Value
Index	058
ID	A01,2,3
Domain	Sustainability
Tab	Audits
Title	Audits, questions
Drill-down from ID	A01,2,2
Filter	On type of questions.

Item	Value
	Audit status ‘UsrAuditFinalized’
	No audit template
	Year, audit field PlannedBeginDate between (<current year> – 4) and <current year>
	Maximal archievable score > 0
	Selected properties
X-axis	Question
Y-axis	High: Max(score / max. archievable score) * 100
	Low: Min(score / max. archievable score) * 100
	Open: Avg(score / max. archievable score) * 100
KPI type	Number of audits
Extra info	-

Item	Value
Index	059
ID	A01,2,4
Domain	Sustainability
Tab	Audits
Title	Audits, scores on answers
Drill-down from ID	A01,2,3
Filter	On type of questions.
	Audit status ‘UsrAuditFinalized’
	No audit template
	Year, audit field PlannedBeginDate between (<current year> – 4) and <current year>
	Maximal archievable score > 0
	Selected properties

Item	Value
X-axis	Property name
Y-axis	Line: Avg(Aggregated score / max. archievable score) * 100 for all scores Bar: Min(Aggregated score / max. archievable score) * 100 per property
KPI type	Number of audits
Extra info	-

Specific

Item	Value
Index	060
ID	S01,1,1,1
Domain	Sustainability
Tab	Specific
Title	HDD&CDD <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected properties
X-axis	Year
Y-axis	Bar: Business objects: GaugeReadingPerDay and BaseMeterReading Sum of field Readingvalue for year Amounts in configured unit of measurement Lines:

Item	Value
	Business object: srDegreeDay
	Average of field Readingvalue for year for HDD and CDD
KPI type	Totals
Extra info	HDD: Heating Degree Day
	CDD: Cooling Degree Day
	Left Y-axis: Consumption in configured unit of measurement
	Right Y-axis: Degreedays in configures temperature unit of measurement

Item	Value
Index	061
ID	S01,1,1,2
Domain	Sustainability
Tab	Specific
Title	HDD&CDD <year> year
Drill-down from ID	S01,1,1,1
Filter	Month, field ReadingDateTime in selected year
	Selected impact area and linked child impact areas
	Selected properties
X-axis	Month
Y-axis	Bar:
	Business objects: GaugeReadingPerDay and BaseMeterReading
	Sum of field Readingvalue for month
	Amounts in configured unit of measurement
	Lines:

	Business object: srDegreeDay
	Average of field Readingvalue for month for HDD and CDD
KPI type	Totals
Extra info	HDD: Heating Degree Day
	CDD: Cooling Degree Day
	Left Y-axis: Consumption in configured unit of measurement
	Right Y-axis: Degreedays in configures temperature unit of measurement

Item	Value
Index	062
ID	S01,1,1,3
Domain	Sustainability
Tab	Specific
Title	HDD&CDD <year, month> month
Drill-down from ID	S01,1,1,2
Filter	Day, field ReadingDateTime in selected year, month
	Selected impact area and linked child impact areas
	Selected properties
X-axis	Day
Y-axis	Bar:
	Business objects: GaugeReadingPerDay and BaseMeterReading
	Sum of field Readingvalue for day
	Amounts in configured unit of measurement
	Lines:
	Business object: srDegreeDay

	Average of field Readingvalue for day for HDD and CDD
KPI type	Totals
Extra info	HDD: Heating Degree Day CDD: Cooling Degree Day Left Y-axis: Consumption in configured unit of measurement Right Y-axis: Degreedays in configures temperature unit of measurement

Chart definitions naming

Monitoring page

Item	Number	Info
Page	1	M01 (Monitoring)
Paradigma (c/c/c)	3	Consumption CO2 Costs (standing and unit based)
KPI type	4	Totals Per m² RFA (only for property related) Per headcount Per workstation (only for property related)
Time frame	3	Multi year Year (downdrill) Month (downdrill)
Portal chapter	2	P. Property related D. Department related
Total	54	For M01 Monitoring

Numbers are comma separated (,)

Examples of Dashboard names:

99-SUS_TEMP_M01,1,1,1,D

99-SUS_TEMP_M01,3,4,3,P

Web dashboard selections for M01, property related

Item	Menu item	Description
Relation	Impact area	Department related Property related If you choose one of them the corresponding menu items will be changed. Or you can select a set of properties or you select a set of departments.
Impact area	Impact area	Impact areas from Planon BO in tree structure
KPI type	KPI type	Total Per m² RFA Per headcount Per workstation
Regions on map	Region on map	Fusioncharts maps of world
Property type	Property type	Property types from Planon BOs
Properties	properties	Selected properties in tree structure from Planon bo

Item	Menu item	Description
Relation	Impact area	Department related Property related
Impact area	Impact area	Impact areas from Planon BO in tree structure
KPI type	KPI type	Total Per headcount

Item	Menu item	Description
Departments	department	Departments in tree structure from Planon BO

Audits page

Item	Number	Description
Page	1	A01 (Audits)
KPI type	2	KPI Type Number of audits KPI type Scores overview
Drill down level	4	Categories Issues (downdrill) Questions (downdrill) Answers (downdrill)
Total	5	For A01 Audits

Examples of Dashboard names:

99-SUS_TEMP_A01,1,1

99-SUS_TEMP_A01,2,1 - Scores, categories of KPI Type Number Of audits

99-SUS_TEMP_A01,2,2 - Scores, Issue of KPI Type Number of audits

Web dashboard selections for A01 (Audits)

Item	Number	Description
KPI type	KPI type	KPI Type Number of audits KPI type Scores overview
Regions on map	Region on map	Fusioncharts maps of world

Item	Number	Description
Property type	Property type	Property types from Planon bo’s
Properties	Properties	Selected properties in tree structure from Planon bo

Specific page

Item	Number	Description
Page	1	S01 (Specific)
Chart	1	HDD & CDD
KPI type	1	Totals
Time frame	3	Multi year Year (downdrill) Month (downdrill)
Total	3	For S01 Specific

Web dashboard selections for S01 (Specific)

Item	Number	Description
Impact area	Impact area	Impact areas from Planon BO in tree structure
KPI type	KPI type	Totals
Regions on map	Region on map	Fusioncharts maps of world
Property type	Property type	Property types from Planon BOs
Properties	properties	Selected properties in tree structure from Planon BO

Portfolio page

Item	Menu item	BO	Description/ properties
Regions on map	Region on map	DashboardArea (PLN_DASHBOARDAREA)	Fusioncharts maps of world World map
Property type	Property type	Property/ RefBODefinitionUserDefined	Property types from Planon BOs Flat list Multi select Filter configurable
Properties	Properties	Property	Selected properties in tree structure from Planon BO Tree structure list Multi select No filter configurable

Graphs definitions for CREPF01 (Portfolio)

Item	Number	Description
Page	1	CREPF01
Paradigma	5	Ownership Occupancy Income and expenditure Valuations (obsolete)

Item	Number	Description
		Maintenance (obsolete)
Totals	3	

Template number separated by commas

Examples:

99-CRE_TEMP_CREPF01,1

99-CRE_TEMP_CREPF01,2

Valuations page

Item	Menu item	BO	Description/ properties
Cost drivers	Cost drivers	Fixed set (Totals/ per m2 RFA/ per headcount/ per workstation)	Flat list Single select No filter configurable
Regions on map	Region on map	DashboardArea (PLN_DASHBOARDAREA)	Fusioncharts Maps of world World map
Property type	Property type	Property/ RefBODefinitionUserDefined	Property types from Planon BOs Flat list Multi select Filter configurable
Properties	Properties	Property	Selected properties in tree structure from Planon BO Tree structure list Multi select

Item	Menu item	BO	Description/ properties
			No filter configurable

Graphs definitions for CREVA01 (Valuations)

Item	Number	Description
Page	1	CREVA01
Paradigm	1	Commercial, insured, tax and book valuations
Cost drivers	4	Totals Per m² RFA (only for property related) Per headcount Per workstation (only for property related)
Drilldown status	3	Multi year Year / Property (downdrill) Year/ Property / Book values (downdrill)
Total	12	

Budgets page

Item	Menu item	BO	Description/ properties
Cost drivers	Cost drivers	Fixed set (Totals/ per m2 RFA/ per headcount/ per workstation)	Flat list Single select No filter configurable

Item	Menu item	BO	Description/ properties
Budget status	Budget status	Available budget statuses: 'Open' 'Closed' Business objects:BudgetCategory	Flat list Multi select Filter based on available statuses in Planon
Budget type	Budget type	Field 'BudgetCategory. FreeString2'	Flat list Multi select Filter based on available types in Planon
Budget cost group	Budget cost group	Field 'BudgetCategory. CostgroupRef'	Tree list Multi select Filter based on available budget cost groups in Planon
Regions on map	Region on map	DashboardArea (PLN_DASHBOARDAREA)	Fusioncharts maps of world World map
Property type	Property type	Property/ RefBODefinitionUserDefined	Property types from Planon BOs Flat list Multi select Filter configurable
Properties	Properties	Property	Selected properties in tree structure from Planon BO Tree structure list

Item	Menu item	BO	Description/ properties
			Multi select No filter configurable

Graphs definitions for CREB01 (Budgets)

Item	Number	Description
Page	1	CREBU01
Paradigm	1	Budgets
Cost drivers	4	Totals Per m² RFA Per headcount Per workstation
Drilldown status	4	Multi year Year (downdrill) Budget (downdrill) Orders (downdrill)
Total	16	

Commitments page

Item	Menu item	BO	Description/ properties
Cost drivers	Cost drivers	Fixed set (Totals/ per m2 RFA/ per headcount/ per workstation)	Flat list Single select No filter configurable

Item	Menu item	BO	Description/ properties
Cost categories	Cost categories	NormCostCategory (linked to BaseContractLine)	Tree list Multi select Filter based on available cost categories in Planon
Cost type	Cost type	NormCostCategory (linked to BaseContractLine)	Flat list Multi select Filter based on available cost types in Planon
Regions on map	Region on map	DashboardArea (PLN_DASHBOARDAREA)	Fusioncharts maps of world World map
Property type	Property type	Property/ RefBODefinitionUserDefined	Property types from Planon BOs Flat list Multi select Filter configurable
Properties	Properties	Property	Selected properties in tree structure from Planon BO Tree structure list Multi select No filter configurable

Graphs definitions for CRECM01 (Commitments)

Item	Number	Description
Page	1	CRECM01
Paradigm	2	Forecast / review
		Review of costs based on workorders
Cost drivers	4	Totals
		Per m² RFA
		Per headcount
		Per workstation
Charts for paradigm 1	6	Income and expenditure, forecast
		Income and expenditure forecast and review - Contract income (down drill)
		Income and expenditure forecast and review - Contract income Details (down drill)
		Income and expenditure forecast and review - Contract expenditure (down drill)
		Income and expenditure forecast and review - Contract expenditures Details (down drill)
		Income and expenditure forecast - Planned Preventative Maintenance (down drill)
Charts for paradigm 2	2	Income and expenditure, review
		Income and expenditure, review - workorders

Item	Number	Description
	32	

Rentable units page

Item	Menu item	BO	Description/ properties
Regions on map	Region on map	DashboardArea (PLN_DASHBOARDAREA)	Fusioncharts Maps of world World map
Property type	Property type	Property/ RefBODefinitionUserDefined	Property types from Planon BOs Flat list Multi select Filter configurable
Properties	Properties	Property	Selected properties in tree structure from Planon BO Tree structure list Multi select No filter configurable

Graphs definitions for CRERU01 (Rentable units)

Item	Number	Description
Page	1	CRERU01
Paradigma	2	Rentable Units forecast – Area

Item	Number	Description
		Rentable Units forecast – Lease target price
Total	2	

Space page

Item	Menu item	BO	Description/ properties
Regions on map	Region on map	DashboardArea (PLN_DASHBOARDAREA)	Fusioncharts maps of world World map
Property type	Property type	Property/ RefBODefinitionUserDefined	Property types from Planon BOs Flat list Multi select Filter configurable
Properties	Properties	Property	Selected properties in tree structure from Planon BO Tree structure list Multi select No filter configurable
Reference date	Reference date	-	Calendar browser to choose specific reference date

Graphs definitions for CRESC01 (Space)

Item	Number	Description
Page	1	CRESC01
Paradigma	4	Space standard Space usage forecast - Area occupancy Space usage forecast – Tariff Space type
Total	4	

Maintenance page

Item	Menu item	BO	Description/ properties
Regions on map	Region on map	DashboardArea (PLN_DASHBOARDAREA)	Fusioncharts Maps of world World map
Property type	Property type	Property/ RefBODefinitionUserDefined	Property types from Planon bo's Flat list Multi select Filter configurable
Properties	Properties	Property	Selected properties in tree structure from Planon bo Tree structure list Multi select

Item	Menu item	BO	Description/ properties
			No filter configurable

Graphs definitions for CREMA01 (Maintenance)

Item	Number	Description
Page	1	CREMA01
Paradigma	4	PPM property condition overview PPM property condition details PPM cost overview PPM cost details
Total	4	

Specific page

Item	Number	Description
Page	1	CRESP01
Paradigma	-	-

Files and file location for dashboards

In the map ...\Server\wildfly-*\standalone\bundles\planon:

- *nl.planon.pssm.dashboard.sus.definition.jar*
- *nl.planon.pssm.dashboard.cre.definition.jar*

In the map ...\Server\tomcat-*\bundles\ROOT:

- *nl.planon.pssm.dashboard.sus.engine.jar*
- *nl.planon.pssm.dashboard.cre.engine.jar*

Chart description - SUS dashboards

Consumption per time frame, totals

Item	Value
Index	001
ID	M01,1,1,1,D
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected departments
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption). Sum of fields GaugeReadingPerDay.Readingvalue and BaseMeterReading.Consumption for year, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals

Item	Value
Extra info	-

Item	Value
Index	002
ID	M01,1,1,1,P
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Sum of fields GaugeReadingPerDay.Readingvalue and BaseMeterReading.Consumption for year, stacked by impact. Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Item	Value
Index	003
ID	M01,1,1,2,D

Item	Value
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year> year
Drill-down from ID	M01,1,1,1,D
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected departments
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Sum of fields GaugeReadingPerDay.Readingvalue and BaseMeterReading.Consumption for month, stacked by impact. area Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Item	Value
Index	004
ID	M01,1,1,2,P
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year> year
Drill-down from ID	M01,1,1,1,P
Filter	Month, field ReadingDateTime in selected year

Item	Value
	Selected impact area and linked child impact areas
	Selected properties
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption)
	Sum of fields GaugeReadingPerDay.Readingvalue and BaseMeterReading.Consumption for month, stacked by impact area.
	Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Item	Value
Index	005
ID	M01,1,1,3,D
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year, month> month
Drill-down from ID	M01,1,1,2,D
Filter	Day, field ReadingDateTime in selected year, month
	Selected impact area and linked child impact areas
	Selected departments
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and

Item	Value
	BaseMeterReading (field Consumption) Sum of fields GaugeReadingPerDay.Readingvalue and BaseMeterReading.Consumption day, stacked by impact area. Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Item	Value
Index	006
ID	M01,1,1,3,P
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year, month> month
Drill-down from ID	M01,1,1,2,P
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected properties
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Sum of fields GaugeReadingPerDay.Readingvalue and BaseMeterReading.Consumption for day, stacked by impact area Amounts in configured unit of measurement

Item	Value
KPI type	Totals
Extra info	-

Consumption per time frame, per m2 RFA

Item	Value
Index	007
ID	M01,1,2,1,P
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over properties of calculation of field Readingvalue or consumption for year / PropertyDetails field NetLettableArea, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement

Item	Value
KPI type	Per m2 RFA
Extra info	-

Item	Value
Item	Value
Index	008
ID	M01,1,2,2,P
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year> year
Drill-down from ID	M01,1,2,1,P
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected properties
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over properties of calculation of field Readingvalue or consumption for month / PropertyDetails field NetLettableArea, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per m2 RFA

Item	Value
Extra info	-

Item	Value
Index	009
ID	M01,1,2,3,P
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year, month> month
Drill-down from ID	M01,1,2,2,P
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected properties
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over properties of calculation of field Readingvalue or consumption for day / PropertyDetails field NetLettableArea, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per m2 RFA
Extra info	-

Consumption per time frame, per headcount

Item	Value
Index	010
ID	M01,1,3,1,D
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected departments
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over departments of calculation of field Readingvalue or consumption for year / number of persons linked to referenced department, stacked by impact area. Only departments that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	

Item	Value
Index	011
ID	M01,1,3,1,P
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over properties of calculation of field Readingvalue or consumption for year / PropertyDetails field ActualNumberOfPeople, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	

Item	Value
Index	012

Item	Value
ID	M01,1,3,2,D
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year> year
Drill-down from ID	M01,1,3,1,D
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected departments
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over departments of calculation of field Readingvalue or consumption for month / number of persons linked to referenced department, stacked by impact area. Only departments that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	

Item	Value
Index	013
ID	M01,1,3,2,P
Domain	Sustainability
Tab	Monitoring

Item	Value
Title	Consumption <year> year
Drill-down from ID	M01,1,3,1,P
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected properties
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over properties of calculation of field Readingvalue or consumption for month / PropertyDetails field ActualNumberOfPeople, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	

Item	Value
Index	014
ID	M01,1,3,3,D
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year, month> month
Drill-down from ID	M01,1,3,2,D

Item	Value
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected departments
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over departments of calculation of field Readingvalue or consumption for day / number of persons linked to referenced department, stacked by impact area. Only departments that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	

Item	Value
Index	015
ID	M01,1,3,3,P
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year, month> month
Drill-down from ID	M01,1,3,2,P
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas

Item	Value
	Selected properties
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over properties of calculation of field Readingvalue or consumption for day / PropertyDetails field ActualNumberOfPeople, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	-

Consumption per time frame, per workstation

Item	Value
Index	016
ID	M01,1,4,1,P
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas

Item	Value
	Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over properties of calculation of field Readingvalue or consumption for year / PropertyDetails fields NumberOfCubicleWorkStations, NumberOfOfficeWorkStations, NumberOfHotDeskWorkStations, NumberOfMeetingRoomWorkStations, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per workstation
Extra info	-

Item	Value
Index	017
ID	M01,1,4,2,P
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year> year
Drill-down from ID	M01,1,4,1,P
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected properties

Item	Value
X-axis	Months
Y-axis	Business objects: augeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over properties of calculation of field Readingvalue or consumption for month / PropertyDetails fields NumberOfCubicleWorkStations, NumberOfOfficeWorkStations, NumberOfHotDeskWorkStations, NumberOfMeetingRoomWorkStations, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per workstation
Extra info	

Item	Value
Index	018
ID	M01,1,4,3,P
Domain	Sustainability
Tab	Monitoring
Title	Consumption <year, month> month
Drill-down from ID	M01,1,4,2,P
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected properties
X-axis	Day

Item	Value
Y-axis	Business objects: GaugeReadingPerDay (field Readingvalue) and BaseMeterReading (field Consumption) Average over properties of calculation of field Readingvalue or consumption for day / PropertyDetails fields NumberOfCubicleWorkStations, NumberOfOfficeWorkStations, NumberOfHotDeskWorkStations, NumberOfMeetingRoomWorkStations, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per workstation
Extra info	

CO2 emission per time frame, totals

Item	Value
Index	019
ID	M01,2,1,1,D
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas

Item	Value
	Selected departments
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of field Emission for year, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals
Extra info	

Item	Value
Index	020
ID	M01,2,1,1,P
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of field Emission for year, stacked by impact area Amounts in configured unit of measurement

Item	Value
KPI type	Totals
Extra info	

Item	Value
Index	021
ID	M01,2,1,2,D
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year> year
Drill-down from ID	M01,2,1,1,D
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected departments
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of field Emission for month, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Item	Value
Index	022
ID	M01,2,1,2,P
Domain	Sustainability
Tab	Monitoring

Item	Value
Title	CO2 emission <year> year
Drill-down from ID	M01,2,1,1,P
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected properties
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of field Emission for month, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Item	Value
Index	023
ID	M01,2,1,3,D
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year, month> month
Drill-down from ID	M01,2,1,2,D
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected departments
X-axis	Day

Item	Value
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of field Emission for day, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Item	Value
Index	024
ID	M01,2,1,3,P
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year, month> month
Drill-down from ID	M01,2,1,2,P
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected properties
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of field Emission for day, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

CO2 emission per time frame, per m2 RFA

Item	Value
Index	025
ID	M01,2,2,1,P
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of field Emission for year / PropertyDetails field NetLettableArea, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per m2 RFA
Extra info	-

Item	Value
Index	026
ID	M01,2,2,2,P
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year> year
Drill-down from ID	M01,2,2,1,P
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected properties
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of field Emission for month / PropertyDetails field NetLettableArea, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per m2 RFA
Extra info	-

Item	Value
Index	027
ID	M01,2,2,3,P
Domain	Sustainability

Item	Value
Tab	Monitoring
Title	CO2 emission <year, month> month
Drill-down from ID	M01,2,2,2,P
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected properties
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of field Emission for day / PropertyDetails field NetLettableArea, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per m2 RFA
Extra info	-

CO2 emission per time frame, per headcount

Item	Value
Index	028
ID	M01,2,3,1,D
Domain	Sustainability
Tab	Monitoring

Item	Value
Title	CO2 emission <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected departments
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over departments of calculation of field Emission for year / number of persons linked to referenced department, stacked by impact area. Only departments that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	-

Item	Value
Index	029
ID	M01,2,3,1,P
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year from year to> multi year
Drill-down from ID	-

Item	Value
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of field Emission for year / PropertyDetails field ActualNumberOfPeople, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	-

Item	Value
Index	030
ID	M01,2,3,2,D
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year> year
Drill-down from ID	M01,2,3,1,D
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected departments

Item	Value
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over departments of calculation of field Emission for month / number of persons linked to referenced department, stacked by impact area. Only departments that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	-

Item	Value
Index	031
ID	M01,2,3,2,P
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year> year
Drill-down from ID	M01,2,3,1,P
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected properties
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of field Emission for month / PropertyDetails field

Item	Value
	ActualNumberOfPeople, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	-

Item	Value
Index	032
ID	M01,2,3,3,D
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year, month> month
Drill-down from ID	M01,2,3,2,D
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected departments
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over departments of calculation of field Emission for day / number of persons linked to referenced department, stacked by impact area. Only departments that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement

Item	Value
KPI type	Per headcount
Extra info	-

Item	Value
Index	033
ID	M01,2,3,3,P
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year, month> month
Drill-down from ID	M01,2,3,2,P
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected properties
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of field Emission for day / PropertyDetails field ActualNumberOfPeople, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	-

CO2 emission per time frame, per workstation

Item	Value
Index	034
ID	M01,2,4,1,P
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of field Emission for year / PropertyDetails field NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average.Amounts in configured unit of measurement
KPI type	Per workstation
Extra info	-

Item	Value
Index	035
ID	M01,2,4,2,P
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year> year
Drill-down from ID	M01,2,4,1,P
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected properties
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of field Emission for month / PropertyDetails field NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per workstation
Extra info	-

Item	Value
Index	036

Item	Value
ID	M01,2,4,3,P
Domain	Sustainability
Tab	Monitoring
Title	CO2 emission <year, month> month
Drill-down from ID	M01,2,4,2,P
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected properties
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of field Emission for day / PropertyDetails field NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per workstation
Extra info	-

Cost per time frame, totals

Item	Value
Index	037

Item	Value
ID	M01,3,1,1,D
Domain	Sustainability
Tab	Monitoring
Title	Cost <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected departments
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of fields CostsStandingCharge; CostsUnitBasedCharge for year, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Item	Value
Index	038
ID	M01,3,1,1,P
Domain	Sustainability
Tab	Monitoring
Title	Cost <year from year to> multi year
Drill-down from ID	-

Item	Value
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of fields CostsStandingCharge; CostsUnitBasedCharge for year, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Item	Value
Item	Value
Index	039
ID	M01,3,1,2,D
Domain	Sustainability
Tab	Monitoring
Title	Cost <year> year
Drill-down from ID	M01,3,1,1,D
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected departments
X-axis	Months

Item	Value
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of fields CostsStandingCharge; CostsUnitBasedCharge for month, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Item	Value
Index	040
ID	M01,3,1,2,P
Domain	Sustainability
Tab	Monitoring
Title	Cost <year> year
Drill-down from ID	M01,3,1,1,P
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected properties
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of fields CostsStandingCharge; CostsUnitBasedCharge for month, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals

Item	Value
Extra info	-

Item	Value
Index	041
ID	M01,3,1,3,D
Domain	Sustainability
Tab	Monitoring
Title	Cost <year, month> month
Drill-down from ID	M01,3,1,2,D
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected departments
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of fields CostsStandingCharge; CostsUnitBasedCharge for day, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Item	Value
Index	042
ID	M01,3,1,3,P
Domain	Sustainability
Tab	Monitoring

Item	Value
Title	Cost <year, month> month
Drill-down from ID	M01,3,1,2,P
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected properties
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Sum of fields CostsStandingCharge; CostsUnitBasedCharge for day, stacked by impact area Amounts in configured unit of measurement
KPI type	Totals
Extra info	-

Cost per time frame, per m2 RFA

Item	Value
Index	043
ID	M01,3,2,1,P
Domain	Sustainability
Tab	Monitoring
Title	Cost <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas

Item	Value
	Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for year / PropertyDetails field NetLettableArea, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per m2 RFA
Extra info	-

Item	Value
Index	044
ID	M01,3,2,2,P
Domain	Sustainability
Tab	Monitoring
Title	Cost <year> year
Drill-down from ID	M01,3,2,1,P
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected properties
X-axis	Months

Item	Value
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for month / PropertyDetails field NetLettableArea, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per m2 RFA
Extra info	-

Item	Value
Index	045
ID	M01,3,2,3,P
Domain	Sustainability
Tab	Monitoring
Title	Cost <year, month> month
Drill-down from ID	M01,3,2,2,P
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected properties
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for day /

Item	Value
	PropertyDetails field NetLettableArea, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per m2 RFA
Extra info	-

Cost per time frame, per headcount

Item	Value
Index	046
ID	M01,3,3,1,D
Domain	Sustainability
Tab	Monitoring
Title	Cost <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected departments
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over departments of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for year / number of persons linked to

Item	Value
	referenced department, stacked by impact area. Only departments that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	-

Item	Value
Index	047
ID	M01,3,3,1,P
Domain	Sustainability
Tab	Monitoring
Title	Cost <year from year to> multi year
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for year / PropertyDetails field ActualNumberOfPeople, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average.

Item	Value
	Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	-

Item	Value
Index	048
ID	M01,3,3,2,D
Domain	Sustainability
Tab	Monitoring
Title	Cost <year> year
Drill-down from ID	M01,3,3,1,D
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected departments
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over departments of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for month / number of persons linked to referenced department, stacked by impact area. Only departments that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount

Item	Value
Extra info	-

Item	Value
Index	049
ID	M01,3,3,2,P
Domain	Sustainability
Tab	Monitoring
Title	Cost <year> year
Drill-down from ID	M01,3,3,1,P
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected properties
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for month / PropertyDetails field ActualNumberOfPeople, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	-

Item	Value
Index	050

Item	Value
ID	M01,3,3,3,D
Domain	Sustainability
Tab	Monitoring
Title	Cost <year, month> month
Drill-down from ID	M01,3,3,2,D
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected departments
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over departments of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for day / number of persons linked to referenced department, stacked by impact area. Only departments that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	-

Item	Value
Index	051
ID	M01,3,3,3,P
Domain	Sustainability
Tab	Monitoring

Item	Value
Title	Cost <year, month> month
Drill-down from ID	M01,3,3,2,P
Filter	Day, field ReadingDateTime in selected year, month Selected impact area and linked child impact areas Selected properties
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for day / PropertyDetails field ActualNumberOfPeople, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per headcount
Extra info	-

Cost per time frame, per workstation

Item	Value
Index	052
ID	M01,3,4,1,P
Domain	Sustainability
Tab	Monitoring
Title	Cost <year from year to> multi year

Item	Value
Drill-down from ID	-
Filter	Year, field ReadingDateTime between (<current year> – 4) and <current year> Selected impact area and linked child impact areas Selected properties
X-axis	Year
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for year / PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per workstation
Extra info	-

Item	Value
Index	053
ID	M01,3,4,2,P
Domain	Sustainability
Tab	Monitoring
Title	Cost <year> year
Drill-down from ID	M01,3,4,1,P

Item	Value
Filter	Month, field ReadingDateTime in selected year Selected impact area and linked child impact areas Selected properties
X-axis	Months
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for month / PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per workstation
Extra info	-

Item	Value
Index	054
ID	M01,3,4,3,P
Domain	Sustainability
Tab	Monitoring
Title	Cost <year, month> month
Drill-down from ID	M01,3,4,2,P
Filter	Day, field ReadingDateTime in selected year, month

Item	Value
	Selected impact area and linked child impact areas Selected properties
X-axis	Day
Y-axis	Business objects: GaugeReadingPerDay and BaseMeterReading Average over properties of calculation of fields CostsStandingCharge; CostsUnitBasedCharge for day / PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by impact area. Active PropertyDetails row based on ReadingDateTime. Only properties that have reading values in the period specified are taken into account when calculating the average. Amounts in configured unit of measurement
KPI type	Per workstation
Extra info	-

Number of audits

Item	Value
Index	055
ID	A01,1,1
Domain	Sustainability
Tab	Audits
Title	Audits <year from year to> multi year
Drill-down from ID	-
Filter	Bo type ‘UsrBREEAMInUseUK’

Item	Value
	No audit template
	Year, field PlannedBeginDate between (<current year> – 4) and <current year>
	Selected properties
X-axis	Year
Y-axis	Business object: UsrBREEAMInUseUK
	Number of audits (rows), stacked by status value
	Amounts in configured unit of measurement
KPI type	Number of audits
Extra info	-

Scores overview of audits

Item	Value
Index	056
ID	A01,2,1
Domain	Sustainability
Tab	Audits
Title	Audits, categories
Drill-down from ID	-
Filter	BO type ‘UsrCategory’
	Audit status ‘UsrBREEAMAuditFinalized’
	No audit template
	Year, audit field PlannedBeginDate between (<current year> – 4) and <current year>
	Maximal archievable score > 0
	Selected properties

Item	Value
X-axis	Category
Y-axis	High: Max(Aggregated score / max. archievable score) * 100 Low: Min(Aggregated score / max. archievable score) * 100 Open: Avg(Aggregated score / max. archievable score) * 100
KPI type	Number of audits
Extra info	-

Item	Value
Index	057
ID	A01,2,2
Domain	Sustainability
Tab	Audits
Title	Audits, issues
Drill-down from ID	A01,2,1
Filter	Bo type ‘UsrAuditIssue’ Audit status ‘UsrBREEAMAuditFinalized’ No audit template Year, audit field PlannedBeginDate between (<current year> – 4) and <current year> Maximal archievable score > 0 Selected properties
X-axis	Issue
Y-axis	High: Max(Aggregated score / max. archievable score) * 100 Low: Min(Aggregated score / max. archievable score) * 100 Open: Avg(Aggregated score / max. archievable score) * 100

Item	Value
KPI type	Number of audits
Extra info	-

Item	Value
Index	058
ID	A01,2,3
Domain	Sustainability
Tab	Audits
Title	Audits, questions
Drill-down from ID	A01,2,2
Filter	Bo type ‘UsrQuestionListbox’ and 'UsrQuestionValue' Audit status ‘UsrBREEAMAuditFinalized’ No audit template Year, audit field PlannedBeginDate between (<current year> – 4) and <current year> Maximal archievable score > 0 Selected properties
X-axis	Question
Y-axis	High: Max(score / max. archievable score) * 100 Low: Min(score / max. archievable score) * 100 Open: Avg(score / max. archievable score) * 100
KPI type	Number of audits
Extra info	-

Item	Value
Index	059

Item	Value
ID	A01,2,4
Domain	Sustainability
Tab	Audits
Title	Audits, scores on answers
Drill-down from ID	A01,2,3
Filter	Bo type ‘UsrQuestionListbox’ and 'UsrQuestionValue' Audit status ‘UsrBREEAMAuditFinalized’ No audit template Year, audit field PlannedBeginDate between (<current year> – 4) and <current year> Maximal archievable score > 0 Selected properties
X-axis	Property name
Y-axis	Line: Avg(Aggregated score / max. archievable score) * 100 for all scores Bar: Min(Aggregated score / max. archievable score) * 100 per property
KPI type	Number of audits
Extra info	-

Chart description - REM dashboards

Portfolio dashboard

Item	Value
Index	001
ID	CREPF01,1
Domain	REM
Tab	Portfolio
Title	Ownership
Drill-down from ID	-
Filter	PropertyDetails at reference date Selected properties
X-axis	Business object: enure Names
Y-axis	Business objects: PropertyDetails (Portfolio) Percentages of RentableArea, grouped by Tenure (TenureRef)
KPI type	-
Extra info	-

Item	Value
Index	002
ID	CREPF01,2
Domain	REM
Tab	Portfolio

Item	Value
Title	Occupancy
Drill-down from ID	-
Filter	Rentable units at reference date at <current year> - <current year> + 2 Rentable units in status ‘Active’ OccupancyCode (OccupancyCodeRef) ‘1, Rented’ Selected properties
X-axis	Year
Y-axis	Business object: BaseRentableUnit Bar: Sum of RUQuantity for bo’s of user type UsrUnitToLetOut (Unit to let) Line: Sum of RUQuantity for bo’s of user type UsrUnitToLeaseIn (Unit to lease)
KPI type	-
Extra info	-

Item	Value
Index	003
ID	CREPF01,3
Domain	REM
Tab	Portfolio
Title	Income and expenditure
Drill-down from ID	-
Filter	Contract cashflow at <current year> - <current year> + 2 Contract of type: ‘UsrLeaseContract’ UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit',

Item	Value
	'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow Bar: Sum of field AmountExclVat for Contractline field IsPaymentContractLine = ‘Y’ Line: Sum of field AmountExclVat for Contractline field IsPaymentContractLine = ‘N’
KPI type	-
Extra info	-

Valuations dashboard

Item	Value
Index	004
ID	CREVA01,1,1,1
Domain	REM
Tab	Valuations
Title	Area <year from year to> multi year
Drill-down from ID	-
Filter	ContractLine at reference date at <reference date year> - 4 to <reference date year> Contract user business object: 'UsrCommercialAssessment', ‘UsrInsuredValue’, 'UsrTaxAssessment',

Item	Value
	'UsrBookValue'
	Selected properties
X-axis	Year
Y-axis	Business object: ContractLine
	Sum of amount / 1000000, stacked by contract type
KPI type	Totals
Extra info	Amounts displayed in millions

Item	Value
Index	005
ID	CREVA01,1,1,2
Domain	REM
Tab	Valuations
Title	Area <year> year
Drill-down from ID	CREVA01,1,1,1
Filter	ContractLine at reference date at <selected year>
	Contract user business object:
	'UsrCommercialAssessment',
	‘UsrInsuredValue’,
	'UsrTaxAssessment',
	'UsrBookValue'
	Selected properties
X-axis	Property name
Y-axis	Business object: ContractLine
	Sum of amount / 1000000, stacked by properties
KPI type	Totals
Extra info	Amounts displayed in millions

Item	Value
Index	006
ID	CREVA01,1,1,3
Domain	REM
Tab	Valuations
Title	Area <year, property code> property/ year
Drill-down from ID	CREVA01,1,1,2
Filter	ContractLine at reference date at <selected year> Contract user business object: 'UsrCommercialAssessment', ‘UsrInsuredValue’, 'UsrTaxAssessment', 'UsrBookValue' Selected properties
X-axis	Contract name
Y-axis	Business object: ContractLine Sum of amount / 1000000
KPI type	Totals
Extra info	Amounts displayed in millions

Item	Value
Index	007
ID	CREVA01,1,2,1
Domain	REM
Tab	Valuations
Title	Area <year from year to> multi year
Drill-down from ID	-

Item	Value
Filter	ContractLine at reference date at <reference date year> - 4 to <reference date year> Contract user business object: 'UsrCommercialAssessment', ‘UsrInsuredValue’, 'UsrTaxAssessment', 'UsrBookValue' Selected properties
X-axis	Year
Y-axis	Business object: ContractLine (Sum of amount / 1000000) / PropertyDetails field NetLettableArea, stacked by contract type Active PropertyDetails row based on Reference date.
KPI type	Per m2 RFA
Extra info	Amounts displayed in millions

Item	Value
Index	008
ID	CREVA01,1,2,2
Domain	REM
Tab	Valuations
Title	Area <year> year
Drill-down from ID	CREVA01,1,2,1
Filter	ContractLine at reference date at <selected year> Contract user business object: 'UsrCommercialAssessment', ‘UsrInsuredValue’, 'UsrTaxAssessment',

Item	Value
	'UsrBookValue'
	Selected properties
X-axis	Property name
Y-axis	Business object: ContractLine
	(Sum of amount / 1000000) / PropertyDetails field NetLettableArea, stacked by properties
	Active PropertyDetails row based on Reference date.
KPI type	Per m2 RFA
Extra info	Amounts displayed in millions

Item	Value
Index	009
ID	CREVA01,1,2,3
Domain	REM
Tab	Valuations
Title	Area <year, property code> property/ year
Drill-down from ID	CREVA01,1,2,2
Filter	ContractLine at reference date at <selected year>
	Contract user business object:
	'UsrCommercialAssessment',
	‘UsrInsuredValue’,
	'UsrTaxAssessment',
	'UsrBookValue'
	Selected properties
X-axis	Contract name
Y-axis	Business object: ContractLine
	(Sum of amount / 1000000) / PropertyDetails field NetLettableArea

Item	Value
	Active PropertyDetails row based on Reference date.
KPI type	Per m2 RFA
Extra info	Amounts displayed in millions

Item	Value
Index	010
ID	CREVA01,1,3,1
Domain	REM
Tab	Valuations
Title	Area <year from year to> multi year
Drill-down from ID	-
Filter	ContractLine at reference date at <reference date year> - 4 to <reference date year> Contract user business object: 'UsrCommercialAssessment', ‘UsrInsuredValue’, 'UsrTaxAssessment', 'UsrBookValue' Selected properties
X-axis	Year
Y-axis	Business object: ContractLine (Sum of amount / 1000000) / PropertyDetails field ActualNumbeOfPeople, stacked by contract type Active PropertyDetails row based on Reference date.
KPI type	Per headcount
Extra info	Amounts displayed in millions

Item	Value
Index	011
ID	CREVA01,1,3,2
Domain	REM
Tab	Valuations
Title	Area <year> year
Drill-down from ID	CREVA01,1,3,1
Filter	ContractLine at reference date at <selected year> Contract user business object: 'UsrCommercialAssessment', ‘UsrInsuredValue’, 'UsrTaxAssessment', 'UsrBookValue' Selected properties
X-axis	Property name
Y-axis	Business object: ContractLine (Sum of amount / 1000000) / PropertyDetails field ActualNumbeOfPeople, stacked by properties Active PropertyDetails row based on Reference date.
KPI type	Per headcount
Extra info	Amounts displayed in millions

Item	Value
Index	012
ID	CREVA01,1,3,3
Domain	REM
Tab	Valuations

Item	Value
Title	Area <year, property code> property/ year
Drill-down from ID	CREVA01,1,3,2
Filter	ContractLine at reference date at <selected year> Contract user business object: 'UsrCommercialAssessment', ‘UsrInsuredValue’, 'UsrTaxAssessment', 'UsrBookValue' Selected properties
X-axis	Contract name
Y-axis	Business object: ContractLine (Sum of amount / 1000000) / PropertyDetails field ActualNumbeOfPeople Active PropertyDetails row based on Reference date.
KPI type	Per headcount
Extra info	Amounts displayed in millions

Item	Value
Index	013
ID	CREVA01,1,4,1
Domain	REM
Tab	Valuations
Title	Area <year from year to> multi year
Drill-down from ID	-
Filter	ContractLine at reference date at <reference date year> - 4 to <reference date year> Contract user business object:

Item	Value
	'UsrCommercialAssessment', ‘UsrInsuredValue’, 'UsrTaxAssessment', 'UsrBookValue' Selected properties
X-axis	Year
Y-axis	Business object: ContractLine (Sum of amount / 1000000) / Sum of PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by contract type Active PropertyDetails row based on Reference date.
KPI type	Per workstation
Extra info	Amounts displayed in millions

Item	Value
Index	014
ID	CREVA01,1,4,2
Domain	REM
Tab	Valuations
Title	Area <year> year
Drill-down from ID	CREVA01,1,4,1
Filter	ContractLine at reference date at <selected year> Contract user business object: 'UsrCommercialAssessment', ‘UsrInsuredValue’, 'UsrTaxAssessment', 'UsrBookValue'

Item	Value
	Selected properties
X-axis	Property name
Y-axis	Business object: ContractLine
	(Sum of amount / 1000000) / Sum of PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by properties
	Active PropertyDetails row based on Reference date.
KPI type	Per workstation
Extra info	Amounts displayed in millions

Item	Value
Index	015
ID	CREVA01,1,4,3
Domain	REM
Tab	Valuations
Title	Area <year, property code> property/ year
Drill-down from ID	CREVA01,1,4,2
Filter	ContractLine at reference date at <selected year>
	Contract user business object:
	'UsrCommercialAssessment',
	‘UsrInsuredValue’,
	'UsrTaxAssessment',
	'UsrBookValue'
	Selected properties
X-axis	Contract name
Y-axis	Business object: ContractLine

Item	Value
	(Sum of amount / 1000000) / Sum of PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations
	Active PropertyDetails row based on Reference date.
KPI type	Per workstation
Extra info	Amounts displayed in millions

Budgets dashboard

Item	Value
Index	016
ID	CREBU01,1,1,1
Domain	REM
Tab	Budgets
Title	Budget <year from year to> multi year
Drill-down from ID	-
Filter	Business object: Budget
	Selected value(s) for Budget.IsClosed (Budget status)
	Selected value(s) for Budget.FreeString2 (Budget types)
	Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups)
	Selected properties
X-axis	Year (financial year of budgets)
Y-axis	Business object: Budget
	Budget amounts stacked by types:
	‘Remaining’: Sum of field AvailableBudget for selected year

Item	Value
	‘Committed’: Sum of field TotalExpectedCost for selected year
	‘Invoiced’: Sum of field TotalInvoicedCosts for selected year
KPI type	Totals
Extra info	-

Item	Value
Index	017
ID	CREBU01,1,1,2
Domain	REM
Tab	Budgets
Title	Budget <year > year
Drill-down from ID	CREBU01,1,1,1
Filter	Business object: Budget
	Selected year (financial year of budgets)
	Selected value(s) for Budget.IsClosed (Budget status)
	Selected value(s) for Budget.FreeString2 (Budget types)
	Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups)
	Selected properties
X-axis	BudgetCategory Code + BudgetCategory.Name
Y-axis	Business object: Budget
	Budget amounts stacked by types:
	‘Remaining’: Sum of field AvailableBudget for selected year
	‘Committed’: Sum of field TotalExpectedCost for selected year

Item	Value
	‘Invoiced’: Sum of field TotalInvoicedCosts for selected year
KPI type	Totals
Extra info	-

Item	Value
Index	018
ID	CREBU01,1,1,3
Domain	REM
Tab	Budgets
Title	Budget <year > <BudgetCategory.Code + BudgetCategory.Name) year
Drill-down from ID	CREBU01,1,1,2
Filter	Business object: Budget Selected year (financial year of budgets) Selected Budgetcategory Selected value(s) for Budget.IsClosed (Budget status) Selected value(s) for Budget.FreeString2 (Budget types) Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups) Selected properties
X-axis	Budget.Code + Budget.Name
Y-axis	Business object: Budget Budget amount stacked by types: ‘Remaining’: Sum of field AvailableBudget for selected year ‘Committed’: Sum of field TotalExpectedCost for selected year

Item	Value
	‘Invoiced’: Sum of field TotalInvoicedCosts for selected year
KPI type	Totals
Extra info	-

Item	Value
Index	019
ID	CREBU01,1,2,1
Domain	REM
Tab	Budgets
Title	Budget <year from year to> multi year
Drill-down from ID	-
Filter	Business object: Budget Selected value(s) for Budget.IsClosed (Budget status) Selected value(s) for Budget.FreeString2 (Budget types) Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups) Selected properties
X-axis	Year (financial year of budgets)
Y-axis	Business object: Budget Budget amounts / PropertyDetails field NetLettableArea, stacked by types: ‘Remaining’: Sum of field AvailableBudget for selected year ‘Committed’: Sum of field TotalExpectedCost for selected year ‘Invoiced’: Sum of field TotalInvoicedCosts for selected year Active PropertyDetails row based on Reference date.

Item	Value
KPI type	Per m2 RFA
Extra info	-

Item	Value
Index	020
ID	CREBU01,1,2,2
Domain	REM
Tab	Budgets
Title	Budget <year > year
Drill-down from ID	CREBU01,1,2,1
Filter	Business object: Budget Selected year (financial year of budgets) Selected value(s) for Budget.IsClosed (Budget status) Selected value(s) for Budget.FreeString2 (Budget types) Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups) Selected properties
X-axis	BudgetCategory Code + BudgetCategory.Name
Y-axis	Business object: Budget Budget amounts / PropertyDetails field NetLettableArea, stacked by types: ‘Remaining’: Sum of field AvailableBudget for selected year ‘Committed’: Sum of field TotalExpectedCost for selected year ‘Invoiced’: Sum of field TotalInvoicedCosts for selected year

Item	Value
	Active PropertyDetails row based on Reference date.
KPI type	Per m2 RFA
Extra info	-

Item	Value
Index	021
ID	CREBU01,1,2,3
Domain	REM
Tab	Budgets
Title	Budget <year > <BudgetCategory.Code + BudgetCategory.Name) year
Drill-down from ID	CREBU01,1,2,2
Filter	Business object: Budget Selected year (financial year of budgets) Selected Budgetcategory Selected value(s) for Budget.IsClosed (Budget status) Selected value(s) for Budget.FreeString2 (Budget types) Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups) Selected properties
X-axis	Budget.Code + Budget.Name
Y-axis	Business object: Budget Budget amounts / PropertyDetails field NetLettableArea, stacked by types: ‘Remaining’: Sum of field AvailableBudget for selected year

Item	Value
	‘Committed’: Sum of field TotalExpectedCost for selected year
	‘Invoiced’: Sum of field TotalInvoicedCosts for selected year
	Active PropertyDetails row based on Reference date.
KPI type	Per m2 RFA
Extra info	-

Item	Value
Index	022
ID	CREBU01,1,3,1
Domain	REM
Tab	Budgets
Title	Budget <year from year to> multi year
Drill-down from ID	-
Filter	Business object: Budget
	Selected value(s) for Budget.IsClosed (Budget status)
	Selected value(s) for Budget.FreeString2 (Budget types)
	Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups)
	Selected properties
X-axis	Year (financial year of budgets)
Y-axis	Business object: Budget
	Budget amounts / PropertyDetails field ActualNumbeOfPeople,
	stacked by types:
	‘Remaining’: Sum of field AvailableBudget for selected year
	‘Committed’: Sum of field TotalExpectedCost for selected year

Item	Value
	‘Invoiced’: Sum of field TotalInvoicedCosts for selected year Active PropertyDetails row based on Reference date.
KPI type	Per headcount
Extra info	-

Item	Value
Index	023
ID	CREBU01,1,3,2
Domain	REM
Tab	Budgets
Title	Budget <year > year
Drill-down from ID	CREBU01,1,3,1
Filter	Business object: Budget Selected year (financial year of budgets) Selected value(s) for Budget.IsClosed (Budget status) Selected value(s) for Budget.FreeString2 (Budget types) Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups) Selected properties
X-axis	BudgetCategory Code + BudgetCategory.Name
Y-axis	Business object: Budget Budget amounts / PropertyDetails field ActualNumbeOfPeople, stacked by types: ‘Remaining’: Sum of field AvailableBudget for selected year

Item	Value
	‘Committed’: Sum of field TotalExpectedCost for selected year ‘Invoiced’: Sum of field TotalInvoicedCosts for selected year Active PropertyDetails row based on Reference date.
KPI type	Per headcount
Extra info	-

Item	Value
Index	024
ID	CREBU01,1,3,3
Domain	REM
Tab	Budgets
Title	Budget <year > <BudgetCategory.Code + BudgetCategory.Name) year
Drill-down from ID	CREBU01,1,3,2
Filter	Business object: Budget Selected year (financial year of budgets) Selected Budgetcategory Selected value(s) for Budget.IsClosed (Budget status) Selected value(s) for Budget.FreeString2 (Budget types) Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups) Selected properties
X-axis	Budget.Code + Budget.Name
Y-axis	Business object: Budget Budget amounts / PropertyDetails field ActualNumbeOfPeople,

Item	Value
	stacked by types: ‘Remaining’: Sum of field AvailableBudget for selected year ‘Committed’: Sum of field TotalExpectedCost for selected year ‘Invoiced’: Sum of field TotalInvoicedCosts for selected year Active PropertyDetails row based on Reference date.
KPI type	Per headcount
Extra info	-

Item	Value
Index	025
ID	CREBU01,1,4,1
Domain	REM
Tab	Budgets
Title	Budget <year from year to> multi year
Drill-down from ID	-
Filter	Business object: Budget Selected value(s) for Budget.IsClosed (Budget status) Selected value(s) for Budget.FreeString2 (Budget types) Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups) Selected properties
X-axis	Year (financial year of budgets)
Y-axis	Business object: Budget Budget amounts / Sum of PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations;

Item	Value
	NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by types: ‘Remaining’: Sum of field AvailableBudget for selected year ‘Committed’: Sum of field TotalExpectedCost for selected year ‘Invoiced’: Sum of field TotalInvoicedCosts for selected year Active PropertyDetails row based on Reference date.
KPI type	Per workstation
Extra info	-

Item	Value
Index	026
ID	CREBU01,1,4,2
Domain	REM
Tab	Budgets
Title	Budget <year > year
Drill-down from ID	CREBU01,1,4,1
Filter	Business object: Budget Selected year (financial year of budgets) Selected value(s) for Budget.IsClosed (Budget status) Selected value(s) for Budget.FreeString2 (Budget types) Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups) Selected properties
X-axis	BudgetCategory Code + BudgetCategory.Name

Item	Value
Y-axis	Business object: Budget Budget amounts / Sum of PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by types: ‘Remaining’: Sum of field AvailableBudget for selected year ‘Committed’: Sum of field TotalExpectedCost for selected year ‘Invoiced’: Sum of field TotalInvoicedCosts for selected year Active PropertyDetails row based on Reference date.
KPI type	Per workstation
Extra info	-

Item	Value
Index	027
ID	CREBU01,1,4,3
Domain	REM
Tab	Budgets
Title	Budget <year > <BudgetCategory.Code + BudgetCategory.Name) year
Drill-down from ID	CREBU01,1,4,2
Filter	Business object: Budget Selected year (financial year of budgets) Selected Budgetcategory Selected value(s) for Budget.IsClosed (Budget status) Selected value(s) for Budget.FreeString2 (Budget types)

Item	Value
	Selected value(s) for costgroup code from referenced BudgetCategory (Cost groups) Selected properties
X-axis	Budget.Code + Budget.Name
Y-axis	Business object: Budget Budget amounts / Sum of PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by types: ‘Remaining’: Sum of field AvailableBudget for selected year ‘Committed’: Sum of field TotalExpectedCost for selected year ‘Invoiced’: Sum of field TotalInvoicedCosts for selected year Active PropertyDetails row based on Reference date.
KPI type	Per workstation
Extra info	-

Commitments dashboard

Item	Value
Index	028
ID	CRECM01,1,1,1
Domain	REM
Tab	Commitments
Title	Multi year, contract income and expenditure review/ forecast
Drill-down from ID	-

Item	Value
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow Bar: sum of AmountExclVat for IsPaymentContractLine = ‘Y’ (Expenditures) Line: sum of AmountExclVat for IsPaymentContractLine = ‘N’ (Income)
KPI type	Totals
Extra info	ContractCashflow is linked to ContractLine ContractLine is linked to Contract

Item	Value
Index	029
ID	CRECM01,1,1,2,E

Item	Value
Domain	REM
Tab	Commitments
Title	Multi year, contract expenditure review/ forecast
Drill-down from ID	CRECM01,1,1,1 (bar)
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow Sum of AmountExclVat for IsPaymentContractLine = 'Y' (Expenditures), stacked by contract type (Leasecontract, Servicecontract etc.)
KPI type	Totals
Extra info	ContractCashflow is linked to ContractLine

Item	Value
	ContractLine is linked to Contract

Item	Value
Index	030
ID	CRECM01,1,1,2,I
Domain	REM
Tab	Commitments
Title	Multi year, contract income review/ forecast
Drill-down from ID	CRECM01,1,1,1 (line)
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow

Item	Value
	Sum of AmountExclVat for IsPaymentContractLine = ‘F’ (Income), stacked by contract type (Leasecontract, Servicecontract etc.)
KPI type	Totals
Extra info	ContractCashflow is linked to ContractLine ContractLine is linked to Contract

Item	Value
Index	031
ID	CRECM01,1,1,3,E
Domain	REM
Tab	Commitments
Title	Multi year, contract expenditure details review/ forecast
Drill-down from ID	CRECM01,1,1,2,E
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category)

Item	Value
	Selected value for Contractline.NormCostTypeRef (Cost type)
	Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow
	Sum of AmountExclVat for IsPaymentContractLine = 'Y' (Expenditures), stacked by contracts
KPI type	Totals
Extra info	ContractCashflow is linked to ContractLine
	ContractLine is linked to Contract

Item	Value
Index	032
ID	CRECM01,1,1,3,I
Domain	REM
Tab	Commitments
Title	Multi year, contract income details review/ forecast
Drill-down from ID	CRECM01,1,1,2,I
Filter	ContractLine cashflow for specific year
	Review: at <reference date year> - 4 to <reference date year>
	Forecast: at <reference date year> to <reference date year> + 4
	Contract of type:
	UsrServiceContract',
	'UsrInsuranceContract',
	'UsrPermit',
	'UsrTax',

Item	Value
	'UsrDepreciation',
	'UsrFinancing',
	'UsrLegalCharge'
	Selected value for ContractLine.NormCostCategoryRef (Cost category)
	Selected value for Contractline.NormCostTypeRef (Cost type)
	Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow
	Sum of AmountExclVat for IsPaymentContractLine = ‘F’ (Income), stacked by contracts
KPI type	Totals
Extra info	ContractCashflow is linked to ContractLine
	ContractLine is linked to Contract

Item	Value
Index	033
ID	CRECM01,1,2,1
Domain	REM
Tab	Commitments
Title	Multi year, contract income and expenditure review/ forecast
Drill-down from ID	-
Filter	ContractLine cashflow for specific year
	Review: at <reference date year> - 4 to <reference date year>
	Forecast: at <reference date year> to <reference date year> + 4

Item	Value
	Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge'
	Selected value for ContractLine.NormCostCategoryRef (Cost category)
	Selected value for Contractline.NormCostTypeRef (Cost type)
	Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow
	Bar: sum of AmountExclVat for IsPaymentContractLine = ‘Y’ (Expenditures) / PropertyDetails field NetLettableArea.
	Line: sum of AmountExclVat for IsPaymentContractLine = ‘N’ (Income) / PropertyDetails field NetLettableArea.
	Active PropertyDetails row based on Reference date.
KPI type	Per m2 RFA
Extra info	ContractCashflow is linked to ContractLine
	ContractLine is linked to Contract

Item	Value
Index	034
ID	CRECM01,1,2,2,E
Domain	REM

Item	Value
Tab	Commitments
Title	Multi year, contract expenditure review/ forecast
Drill-down from ID	CRECM01,1,2,1 (bar)
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow Sum of AmountExclVat for IsPaymentContractLine = 'Y' (Expenditures) / PropertyDetails field NetLettableArea, stacked by contract type (Leasecontract, Servicecontract etc.). Active PropertyDetails row based on Reference date.
KPI type	Per m2 RFA

Item	Value
Extra info	ContractCashflow is linked to ContractLine ContractLine is linked to Contract

Item	Value
Index	035
ID	CRECM01,1,2,2,I
Domain	REM
Tab	Commitments
Title	Multi year, contract income review/ forecast
Drill-down from ID	CRECM01,1,2,1 (line)
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties
X-axis	Year

Item	Value
Y-axis	Business object: ContractCashflow Sum of AmountExclVat for IsPaymentContractLine = ‘F’ (Income) / PropertyDetails field NetLettableArea, stacked by contract type (Leasecontract, Servicecontract etc.). Active PropertyDetails row based on Reference date.
KPI type	Per m2 RFA
Extra info	ContractCashflow is linked to ContractLine ContractLine is linked to Contract

Item	Value
Index	036
ID	CRECM01,1,2,3,E
Domain	REM
Tab	Commitments
Title	Multi year, contract expenditure details review/ forecast
Drill-down from ID	CRECM01,1,2,2,E
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing',

Item	Value
	'UsrLegalCharge'
	Selected value for ContractLine.NormCostCategoryRef (Cost category)
	Selected value for Contractline.NormCostTypeRef (Cost type)
	Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow
	Sum of AmountExclVat for IsPaymentContractLine = 'Y' (Expenditures) / PropertyDetails field NetLettableArea, stacked by contracts.
	Active PropertyDetails row based on Reference date.
KPI type	Per m2 RFA
Extra info	ContractCashflow is linked to ContractLine
	ContractLine is linked to Contract

Item	Value
Index	037
ID	CRECM01,1,2,3,I
Domain	REM
Tab	Commitments
Title	Multi year, contract income details review/ forecast
Drill-down from ID	CRECM01,1,2,2,I
Filter	ContractLine cashflow for specific year
	Review: at <reference date year> - 4 to <reference date year>

Item	Value
	Forecast: at <reference date year> to <reference date year> + 4
	Contract of type:
	UsrServiceContract',
	'UsrInsuranceContract',
	'UsrPermit',
	'UsrTax',
	'UsrDepreciation',
	'UsrFinancing',
	'UsrLegalCharge'
	Selected value for ContractLine.NormCostCategoryRef (Cost category)
	Selected value for Contractline.NormCostTypeRef (Cost type)
	Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow
	Sum of AmountExclVat for IsPaymentContractLine = ‘F’ (Income) / PropertyDetails field NetLettableArea, stacked by contracts.
	Active PropertyDetails row based on Reference date.
KPI type	Per m2 RFA
Extra info	ContractCashflow is linked to ContractLine
	ContractLine is linked to Contract

Item	Value
Index	038
ID	CRECM01,1,3,1
Domain	REM

Item	Value
Tab	Commitments
Title	Multi year, contract income and expenditure review/ forecast
Drill-down from ID	-
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow Bar: sum of AmountExclVat for IsPaymentContractLine = ‘Y’ (Expenditures) / PropertyDetails field ActualNumbeOfPeople. Line: sum of AmountExclVat for IsPaymentContractLine = ‘N’ (Income) / PropertyDetails field ActualNumbeOfPeople. Active PropertyDetails row based on Reference date.

Item	Value
KPI type	Per headcount
Extra info	ContractCashflow is linked to ContractLine ContractLine is linked to Contract

Item	Value
Index	039
ID	CRECM01,1,3,2,E
Domain	REM
Tab	Commitments
Title	Multi year, contract expenditure review/ forecast
Drill-down from ID	CRECM01,1,3,1 (bar)
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties

Item	Value
X-axis	Year
Y-axis	Business object: ContractCashflow Sum of AmountExclVat for IsPaymentContractLine = 'Y' (Expenditures) / PropertyDetails field ActualNumbeOfPeople, stacked by contract type (Leasecontract, Servicecontract etc.). Active PropertyDetails row based on Reference date.
KPI type	Per headcount
Extra info	ContractCashflow is linked to ContractLine ContractLine is linked to Contract

Item	Value
Index	040
ID	CRECM01,1,3,2,I
Domain	REM
Tab	Commitments
Title	Multi year, contract income review/ forecast
Drill-down from ID	CRECM01,1,3,1 (line)
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax',

Item	Value
	'UsrDepreciation',
	'UsrFinancing',
	'UsrLegalCharge'
	Selected value for ContractLine.NormCostCategoryRef (Cost category)
	Selected value for Contractline.NormCostTypeRef (Cost type)
	Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow
	Sum of AmountExclVat for IsPaymentContractLine = ‘F’ (Income) / PropertyDetails field ActualNumbeOfPeople, stacked by contract type (Leasecontract, Servicecontract etc.).
	Active PropertyDetails row based on Reference date.
KPI type	Per headcount
Extra info	ContractCashflow is linked to ContractLine
	ContractLine is linked to Contract

Item	Value
Index	041
ID	CRECM01,1,3,3,E
Domain	REM
Tab	Commitments
Title	Multi year, contract expenditure details review/ forecast
Drill-down from ID	CRECM01,1,3,2,E
Filter	ContractLine cashflow for specific year

Item	Value
	Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow Sum of AmountExclVat for IsPaymentContractLine = 'Y' (Expenditures) / PropertyDetails field ActualNumbeOfPeople, stacked by contracts. Active PropertyDetails row based on Reference date.
KPI type	Per headcount
Extra info	ContractCashflow is linked to ContractLine ContractLine is linked to Contract

Item	Value
Index	042
ID	CRECM01,1,3,3,I

Item	Value
Domain	REM
Tab	Commitments
Title	Multi year, contract income details review/ forecast
Drill-down from ID	CRECM01,1,3,2,I
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow Sum of AmountExclVat for IsPaymentContractLine = ‘F’ (Income) / PropertyDetails field ActualNumbeOfPeople, stacked by contracts. Active PropertyDetails row based on Reference date.
KPI type	Per headcount

Item	Value
Extra info	ContractCashflow is linked to ContractLine ContractLine is linked to Contract

Item	Value
Index	043
ID	CRECM01,1,4,1
Domain	REM
Tab	Commitments
Title	Multi year, contract income and expenditure review/ forecast
Drill-down from ID	-
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties
X-axis	Year

Item	Value
Y-axis	Business object: ContractCashflow Bar: sum of AmountExclVat for IsPaymentContractLine = 'Y' (Expenditures) / PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations. Line: sum of AmountExclVat for IsPaymentContractLine = 'N' (Income) / PropertyDetails field ActualNumbeOfPeople. Active PropertyDetails row based on Reference date.
KPI type	Per workstation
Extra info	ContractCashflow is linked to ContractLine ContractLine is linked to Contract

Item	Value
Index	044
ID	CRECM01,1,4,2,E
Domain	REM
Tab	Commitments
Title	Multi year, contract expenditure review/ forecast
Drill-down from ID	CRECM01,1,4,1 (bar)
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract',

Item	Value
	'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge'
	Selected value for ContractLine.NormCostCategoryRef (Cost category)
	Selected value for Contractline.NormCostTypeRef (Cost type)
	Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow
	Sum of AmountExclVat for IsPaymentContractLine = 'Y' (Expenditures) / PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by contract type (Leasecontract, Servicecontract etc.).
	Active PropertyDetails row based on Reference date.
KPI type	Per workstation
Extra info	ContractCashflow is linked to ContractLine
	ContractLine is linked to Contract

Item	Value
Index	045
ID	CRECM01,1,4,2,I
Domain	REM
Tab	Commitments

Item	Value
Title	Multi year, contract income review/ forecast
Drill-down from ID	CRECM01,1,4,1 (line)
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow Sum of AmountExclVat for IsPaymentContractLine = ‘F’ (Income) / PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by contract type (Leasecontract, Servicecontract etc.). Active PropertyDetails row based on Reference date.
KPI type	Per workstation

Item	Value
Extra info	ContractCashflow is linked to ContractLine ContractLine is linked to Contract

Item	Value
Index	046
ID	CRECM01,1,4,3,E
Domain	REM
Tab	Commitments
Title	Multi year, contract expenditure details review/ forecast
Drill-down from ID	CRECM01,1,4,2,E
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax', 'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge' Selected value for ContractLine.NormCostCategoryRef (Cost category) Selected value for Contractline.NormCostTypeRef (Cost type) Selected properties
X-axis	Year

Item	Value
Y-axis	Business object: ContractCashflow Sum of AmountExclVat for IsPaymentContractLine = 'Y' (Expenditures) / PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by contracts. Active PropertyDetails row based on Reference date.
KPI type	Per workstation
Extra info	ContractCashflow is linked to ContractLine ContractLine is linked to Contract

Item	Value
Index	047
ID	CRECM01,1,4,3,I
Domain	REM
Tab	Commitments
Title	Multi year, contract income details review/ forecast
Drill-down from ID	CRECM01,1,4,2,I
Filter	ContractLine cashflow for specific year Review: at <reference date year> - 4 to <reference date year> Forecast: at <reference date year> to <reference date year> + 4 Contract of type: UsrServiceContract', 'UsrInsuranceContract', 'UsrPermit', 'UsrTax',

Item	Value
	'UsrDepreciation', 'UsrFinancing', 'UsrLegalCharge'
	Selected value for ContractLine.NormCostCategoryRef (Cost category)
	Selected value for Contractline.NormCostTypeRef (Cost type)
	Selected properties
X-axis	Year
Y-axis	Business object: ContractCashflow
	Sum of AmountExclVat for IsPaymentContractLine = ‘F’ (Income) / PropertyDetails fields NumberOfCubicleWorkStations; NumberOfOfficeWorkStations; NumberOfHotDeskWorkStations; NumberOfMeetingRoomWorkStations, stacked by contracts.
	Active PropertyDetails row based on Reference date.
KPI type	Per workstation
Extra info	ContractCashflow is linked to ContractLine
	ContractLine is linked to Contract

Rentable units dashboard

Item	Value
Index	048
ID	CRERU01,1
Domain	REM
Tab	Rentable Units
Title	Area

Item	Value
Drill-down from ID	-
Filter	Business object: BaseRentableUnit Rentable units active at <reference date year> - 4 to <reference date year> Bar: Bo type: = 'UsrUnitToLetOut' Bo Status = 'UsrRentToUnitsActive' Occupancy code (OccupancyCodeRef) = ‘1 Rented’ Blue Line (in): Bo type: = ' UsrUnitToLeaseIn' Bo Status = ' UsrRentFromUnitsActive' Occupancy code (OccupancyCodeRef) = ‘1 Rented’ Red line (tot. out): Bo type: = ' UsrUnitToLetOut' Bo Status = ' UsrRentToUnitsActive' Occupancy code (OccupancyCodeRef) =’0 Vacant’ or ‘1 Rented’ Selected properties
X-axis	Quarter, Year
Y-axis	Business object: BaseRentableUnit Bar: Sum of field RUQuantity for selected Rentable units (see filter definitions), stacked by Rentable unit names for specific quarter/year. Blue Line (in): Sum of field RUQuantity for selected Rentable units (see filter definitions) for specific quarter/year. Red line (tot. out): Sum of field RUQuantity for selected Rentable units (see filter definitions) for specific quarter/year.
KPI type	-

Item	Value
Extra info	-

Item	Value
Index	049
ID	CRERU01,2
Domain	REM
Tab	Rentable Units
Title	Cost
Drill-down from ID	-
Filter	Business object: BaseRentableUnit Rentable units active at <reference date year> - 4 to <reference date year> Usage with rating business object:RentableUnitFunctionQuality) active at <reference date year> - 4 to <reference date year> Bar: Bo type: = 'UsrUnitToLetOut' Bo Status = 'UsrRentToUnitsActive' Occupancy code (OccupancyCodeRef) = ‘1 Rented’ Blue Line (in): Bo type: = ' UsrUnitToLeaseIn' Bo Status = ' UsrRentFromUnitsActive' Occupancy code (OccupancyCodeRef) = ‘1 Rented’ Red line (tot. out): Bo type: = ' UsrUnitToLetOut' Bo Status = ' UsrRentToUnitsActive' Occupancy code (OccupancyCodeRef) =’0 Vacant’ or ‘1 Rented’ Selected properties

Item	Value
X-axis	Quarter, Year
Y-axis	Business object: BaseRentableUnit Bar: Sum of (field RUQuantity for selected Rentable units (see filter definitions) * field Targetprice of referenced Usage with rating), stacked by Rentable unit names for specific quarter/year. Blue Line (in): Sum of (field RUQuantity for selected Rentable units (see filter definitions) * field Targetprice of referenced Usage with rating)for specific quarter/year. Red line (tot. out): Sum of (field RUQuantity for selected Rentable units (see filter definitions) * field Targetprice of referenced Usage with rating)) for specific quarter/year.
KPI type	-
Extra info	Usage with rating Bo is linked to Rentable unit, both are date referenced BaseRentableUnit.RUFunctionQualityRef = RentableUnitFunctionQuality.Syscode

Space dashboard

Item	Value
Index	050
ID	CRESC01,1,1
Domain	REM
Tab	Space
Title	Space standard <year from year to>
Drill-down from ID	-
Filter	Spage usages at reference date

Item	Value
	For Bar chart: SpaceUsage is referenced to a Space standard (SpaceStandardRef) Spaces at selected properties, used in specific year/quarter
X-axis	Property name, floor code, floor name
Y-axis	Business object: SpaceUsage Bar: SpaceUsage field Netarea, stacked by Space standard (SpaceStandardRef) Blue line (gross): SpaceUsage field Netarea Red line (net): SpaceUsage field GrossArea
KPI type	-
Extra info	Bo SpaceUsage is referenced to bo Space

Item	Value
Index	051
ID	CRESC01,1,2
Domain	REM
Tab	Space
Title	Space occupancy <year/quarter from year/quarter to>
Drill-down from ID	-
Filter	Non-occupied: Spage size at reference date and space usage at reference date Occupied: Space usage at reference date Total capacity: Space size at reference date

Item	Value
	Spaces at selected properties, used in specific year/quarter
X-axis	Year/quarter
Y-axis	Bar: Non-occupied: Business objects:SpaceSize/ SpaceUsage Sum of field calculations (SpaceSize.NetArea – SpaceUsage.NetArea) Occupied: Business object:SpaceUsage Sum of field Netarea Blue line (Total capacity): Business object:SpaceSize Sum of field Netarea
KPI type	-
Extra info	Bo SpaceSize is referenced to bo Space Bo SpaceUsage is referenced to bo Space

Item	Value
Index	052
ID	CRESC01,1,3
Domain	REM
Tab	Space
Title	Tariff <year/quarter from year/quarter to>
Drill-down from ID	-
Filter	Non-occupied: Spage size at reference date and space usage at reference date

Item	Value
	Occupied: Space usage at reference date Total capacity: Space size at reference date Spaces at selected properties, used in specific year/quarter
X-axis	Year/quarter
Y-axis	Bar: Non-occupied: Business objects:SpaceSize/ SpaceUsage/SpaceTariffGroup Sum of field calculations (SpaceSize.NetArea * SpaceTariffGroup.M2Tariff) – Sum of field calculations (SpaceUsage.NetArea * SpaceTariffGroup.M2Tariff) Occupied: Business objects:SpaceUsage/ SpaceTariffGroup Sum of field calculations (SpaceUsage.NetArea * SpaceTariffGroup.M2Tariff) Blue line (Total capacity): Business object:SpaceSize Sum of field calculations (SpaceSize.NetArea * 50)
KPI type	-
Extra info	Bo SpaceSize is referenced to bo Space Bo SpaceUsage is referenced to bo Space SpaceTariffGroup is referenced to bu SpaceUsage

Item	Value
Index	053
ID	CRESC01,1,4
Domain	REM
Tab	Space
Title	Space types <year from year to>
Drill-down from ID	-
Filter	Spage usages at reference date Spaces at selected properties
X-axis	One value for bar: ‘Selected properties’
Y-axis	Business object: paceUsage Sum of field Netarea, stacked by SpaceType (code and name)
KPI type	-
Extra info	Bo SpaceUsage is referenced to bo Space Bo SpaceType is referenced to SpageUsage (also called Space category)

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