

# Pivot Reports

Type: User Documentation 22-Sep-2023 | Aleksej Širokij

## Overview

Pivots application is a powerful data analysis tool, which allows users to create and share different layouts of data summarizing it on different levels. It allows to present data in charts, export data to excel and create custom calculated fields. Data Layouts can then be shared between team members or exported to Microsoft Excel file for further data manipulations. The module has a collection of pre-defined pivots (which are constantly being updated) access to which can be configured from any application menu.

- To initiate initial collection of Pivots (in GlobalTemplate) run ***astp\_Pivots\_InitiateSolution*** stored procedure (Contact Pims Administrator to perform this action).  
*i.e. @CopyCostMgmtPivotWebReports = 1*

## Setup: Pivots

Setup: Pivots application allows Pivot Web Administrator to easily manage pivot reports within domain or copy pivots and layouts accross the domains.

List Groups and Access

Reports And Layouts

Article Menu Settings

List Groups need to be created to group different Pivots within the domain i.e. by Module: Document Control, Cost Management

Permissions to the List Group can be allocated per user, System Group and/or System Roles

Allocating permissions to individual user (user needs to be part of PivotWeb Users/PivotWeb Administrators role)

NB: Permissions allocated to Pivot Report List Groups will allow to access Pivot's default layouts within that group

List Groups

Group ID	Title
2805	Cost Management (Web)

Access by User Groups

User/Group	Name	Type

No rows found

Access by System Roles

Role ID	Role Title
6203	CostMgmt - Administrator
6315	CostMgmt - Cost Controller

## List Groups and Access

In order for users to be able to access Pivot Reports first a List Group needs to be created, this is used to group specific module or discipline pivots and manage access by list. Permissions to the List Group can be allocated per user, System Group and/or System Roles.

#### Access by User Groups

In Pims User Group is also an individual user or Group of users. When allocating permissions to individual user (user needs to be part of PivotWeb Users/PivotWeb Administrators role) only then the user will be available in the drop down, this ensures that dedicated user has an access to the module.

#### Access by System Roles

You can also allocate the access to a Pivots List Group of Pivot reports contained within that List to a system role, allowing to easier maintain the permissions).

- **NB: Permissions allocated to Pivot Report List Groups will allow to access Pivot's default layouts within that group**

#### Reports and Layouts

In this tab Pivot Web Administrators can create new Pivots, configure Parameters and allocate permissions to specific layouts (Default ones or created by the users). Custom user created layouts also can be set to be default, allowing System Role members for defined Pivot List group to access them.

- Create New Report by clicking on 'New Report'
- You can copy Pivots from different Domains by clicking on 'Copy Reports...'
- To see all Pivots in different domains click on 'Show All Domains'
- If parameters are specified for Pivot Reports, they will be automatically saved in the 'Default Layout'

[New Report](#)[Copy Reports...](#)[Show All Domains](#)

## 1. Reports

Report ID	Group	Title	Data Source	Datasource Type	Sort Order
47	Cost Management (Web)	Changes	aviw_CostMgmt_Changes_ChangesPivot	VIEW	0
45	Cost Management (Web)	Estimates, by SCCS (Cross Domain)	astp_CostMgmt_Pivot_EstimatesByWBSWP_SCCS...	SQL_STORED_PROCEDURE	0
42	Cost Management (Web)	Interfaces: Commitments	astp_CostMgmt_Pivot_Interfaces_CommitmentsD...	SQL_STORED_PROCEDURE	0
41	Cost Management (Web)	Interfaces: Transactions	astp_CostMgmt_Pivot_Interfaces_TransactionsDat...	SQL_STORED_PROCEDURE	0
43	Cost Management (Web)	Project: Cost Summary	astp_CostMgmt_Pivot_ProjectCostSummary	SQL_STORED_PROCEDURE	0
46	Cost Management (Web)	Project: Cost Summary (by Alt. Structure)	astp_CostMgmt_Pivot_ProjectCostSummary_ByAlt...	SQL_STORED_PROCEDURE	0
44	Cost Management (Web)	Project: Time-phasing (by SCCS, Cross Domain)	astp_CostMgmt_Pivot_WorkPacksSpread_SCCS_C...	SQL_STORED_PROCEDURE	0
31	Cost Management (Web)	Contracts: Cost Status	astp_CostMgmt_Pivot_Contracts_CostBreakdown	SQL_STORED_PROCEDURE	1
32	Cost Management (Web)	Contracts: Cost Status (Cross Domain)	astp_CostMgmt_Pivot_Contracts_CostBreakdown...	SQL_STORED_PROCEDURE	1
18	Cost Management (Web)	Contracts: Cut-off status	astp_CostMgmt_Pivot_Contracts_CostStatusByWB...	SQL_STORED_PROCEDURE	1
29	Cost Management (Web)	Contracts: Time-phasing	astp_CostMgmt_Pivot_Contracts_ContractorsBase...	SQL_STORED_PROCEDURE	1
30	Cost Management (Web)	Contracts: Time-phasing (by Alt. Structure)	astp_CostMgmt_Pivot_Contracts_ContractorsBase...	SQL_STORED_PROCEDURE	1

1-25 of total 47

[Copy Layout Permissions...](#)

- When new report is created 'Default layout' automaticaly is assigned default group permissions
- If Report is copied from another Domain with not only default layouts, you can Copy Layout permissions to several Layouts by clicking on 'Copy Layout Permissions...'
- You can individually change permissions to each layout in Layout permissions section
- Owner - creator of the report (allowed to change layout); Editor - allocated permission (allowed to change layout), Reader - allocated permission (allowed to view layout)

## 2. Layouts

Layout ID	Title	Default
56495	Default Layout	<input checked="" type="checkbox"/>

## 3. Layout Permissions

User/Group	Name	Type	Access Level
ona@omega.no	Ona, Leontjevaite	Person	Owner

### Creating New Pivot

To Create new Pivot report click on a "New Report" button

Create a new Report

Report ID:

381

Report Group:

Cost Management (Web)

Title:

Contingency Drawdown

Data Source:

OK

Cancel

- Select a Report Group from a list of available groups, enter report title and select the datasource for the report and click "Ok" button.
- When new report is created 'Default layout' automatically is assigned default group permissions
- Default layout need to be configured, click on "Layout ID" link in "2. Layout" grid to start building a layout for newly created Pivot Report.

2. Layouts					
...	Layout ID	Title	Default		
	🔍	🔍	☰		
▶	<a href="#">56495</a>	Default Layout	<input checked="" type="checkbox"/>	📥	📤
★			<input type="checkbox"/>		

#### • Pims Administrator's note

- Datasources for the Pivot reports can be views and stored procedures available in Pims database
- Available datasources criteria should be defined to limit for the specific datasources to be picked by Pivot Web Administrators. Criteria should be defined by Pims Administrator in the ***[atbl\_Reporting\_PivotWeb\_AvailableDataSources]***
- When creating datasources for pivots containing a lot of data, it is recommended to do it via a stored procedure vs. data view, to avoid timing out issues

Copying Reports from other Domains

You can copy Pivots from different Domains by clicking on "Copy Reports..."

Copy Reports

- Select Domain and then Reports you want to copy to Current Domain
- Select Group from the current domain to copy selected reports to
- Tick 'Copy All Layout' if you wish to copy non-default layouts

Copy From Domain:

CostTest

Choose Reports:

...	<input type="checkbox"/>	Report ID	Group	Title	Not Copied	
		<input type="text" value="Q"/>	<input type="text" value="Q"/>	<input type="text" value="Q"/>	<input type="text" value="☐"/>	
▶	<input type="checkbox"/>	19	Local Con...	Training Data Review	<input checked="" type="checkbox"/>	
	<input type="checkbox"/>	30	Local Con...	Workforce Data Review	<input checked="" type="checkbox"/>	
	<input type="checkbox"/>	37	Local Con...	Contracts Data Review	<input checked="" type="checkbox"/>	
	<input type="checkbox"/>	102	System (C...	QA Checks for CostMgmt Namespace	<input checked="" type="checkbox"/>	
	<input type="checkbox"/>	114	Cost Man...	Project Cut-off Status	<input type="checkbox"/>	
	<input type="checkbox"/>	119	Cost Man...	Project: Time-phasing	<input type="checkbox"/>	
	<input type="checkbox"/>	136	Cost Man...	Project: Time-phasing (Compare)	<input type="checkbox"/>	
	<input type="checkbox"/>	144	Cost Man...	Project: Time-phasing (by Alt. Structu...	<input type="checkbox"/>	
	<input type="checkbox"/>	161	Cost Man...	Estimates, by SCCS	<input type="checkbox"/>	
	<input type="checkbox"/>	168	Cost Man...	Personnel: Positions Phasing (Comp...	<input type="checkbox"/>	
	<input type="checkbox"/>	185	Cost Man...	Personnel: Positions Phasing	<input type="checkbox"/>	
	<input type="checkbox"/>	190	Cost Man...	Estimates, by WBS	<input type="checkbox"/>	
	<input type="checkbox"/>	201	Cost Man...	Owner Split: Estimates, by WBS WP	<input type="checkbox"/>	
	<input type="checkbox"/>	204	Cost Man...	Owner Split: Project Status	<input type="checkbox"/>	
	<input type="checkbox"/>	222	Cost Man...	Owner Split: Time-phasing	<input type="checkbox"/>	

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1-15 of total 52

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Copy To Group:

Cost Management (Web)

☐ Copy All Layouts (incl. Default)

OK

Cancel

- Select Domain and then Reports you want to copy to Current Domain
- Select Group from the current domain to copy selected reports
- Tick 'Copy All Layout' if you wish to copy non-default layouts

You can also easily filter out Pivot reports from other domain which have not been copied to your current domain using a filter in "Not Copied" column

Copy Layout Permissions

If you have a lot of custom created non-default layouts and want to allocate custom permissions based on specific layout permissions, you can use Copy Layout Permissions function.

2. Layouts

...	Layout ID	Title	Default		
	Q	Q	[-]		
	56096	Default Layout	<input checked="" type="checkbox"/>		
	56097	test	<input type="checkbox"/>		
▶	56098	one more	<input type="checkbox"/>		
★			<input type="checkbox"/>		

Copy Layout Permissions

Copy From: 56098

Copies only reader permissions by default

☐ Copy All Permissions:

Copy To

...	<input type="checkbox"/>	Layout ID	Title	
		Q	Q	
	<input type="checkbox"/>	56096	Default Layout	
▶	<input checked="" type="checkbox"/>	56097	test	

Showing all 2 rows 1 row(s) selected

OK

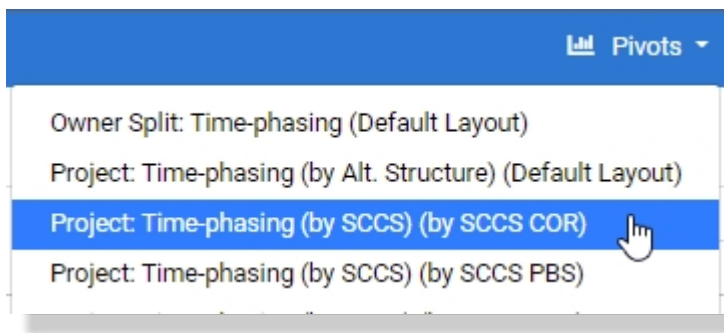
Cancel

Check "Copy All Permission" if you want to copy Editor and Owner type layout permissions. There are 3 types of layout permissions in Pivots:

- Owner - creator of the layout, can edit the layout, rename and delete it at any time
- Editor - same permissions as owner, apart from deleting the layout
- Reader - can not edit the layout, but can load it and create a copy layout for a custom usage, which users can edit then for temselves (being owner's of the layout copy)

Article Menu Settings

There will be applications available in the system, that support the pivot menu access:



To make specific pivot (default layouts) be available for users to run from a dedicated application, select the Pivot and tick the checkbox "Used in App" column for the available article.

[List Groups and Access](#)
[Reports And Layouts](#)
[Article Menu Settings](#)

### Reports

***	Title	Group Title	
	Q	Q	
▶	Finance: Budget, Time-phasing	Cost Management (Web)	🗑
	Project: Cut-off Status (by Alt. Structure)	Cost Management (Web)	
	Personnel: Positions Phasing	Cost Management (Web)	
	Personnel: Compare Time-phasing (Cross Domain)	Cost Management (Web)	
	VOR Register	Cost Management (Web)	
	Project: Cost Summary (by Alt. Structure)	Cost Management (Web)	
	Finance: Currency Impact by Day	Cost Management (Web)	
	Verification Checks	Cost Management (Web)	
	Project: Time-phasing (by SCCS, Cross Domain)	Cost Management (Web)	
	Project: Time-phasing	Cost Management (Web)	

Showing first: 25

### Articles

***	Namespace	Article ID	Title	Used In App	
	Q	Q	Q	☐	🗑
▶	CostMgmt	costmgmt-changes	Changes	<input checked="" type="checkbox"/>	
	CostMgmt	costmgmt-contingency	Contingency Management	<input type="checkbox"/>	
	CostMgmt	costmgmt-contracts-detail	Contracts Details	<input checked="" type="checkbox"/>	
	CostMgmt	costmgmt-contracts-register	Contracts	<input type="checkbox"/>	

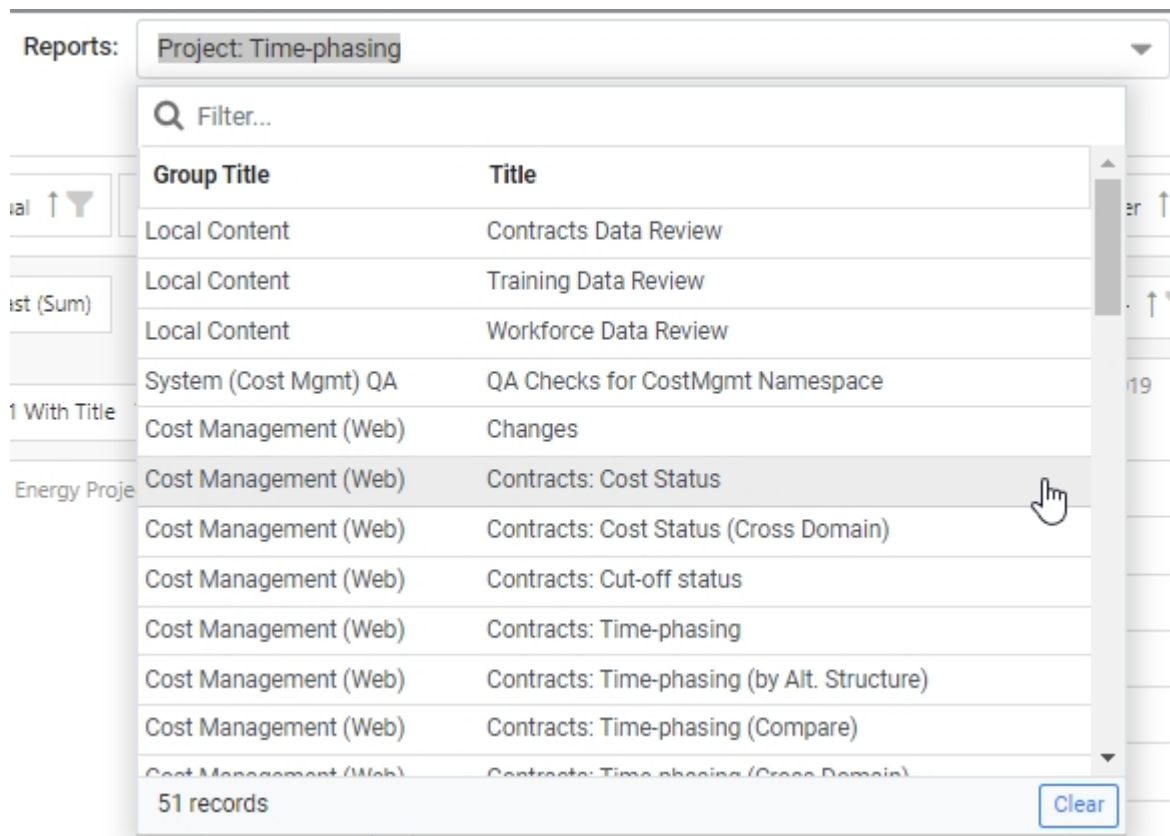
- **Developers' note**

- to enable the article to have a menu for pivots the widget code **@Render("ArticleBody", ID: "w-reporting-pivotmenu-byarticleid")** needs to be inserted into the navigation bar dedicated HTML block, i.e. as in example below:

-







List of available Layouts

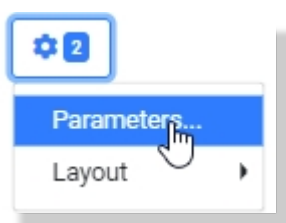
When Pivot report is selected List of available layouts (based on permissions) will become available for the user to choose from. If report layout is opened from an article menu then dedicated layout will be selected automatically and the Pivot will automatically start loading the data. Default layout will be pre-selected when Pivot report selection is changed.

### Loading a Pivot Report Data

To load pivot report data, select required Pivot Report and click on "Load Data" button. If report has been accessed from an article Pivot menu the data will be loaded automatically.



Some Pivot's can contain required parameters before the data can be loaded. Such parameters will be indicated by the red "gauge" icon next to Lauots drop down. To enter parameters click on "gauge" icon and then "Paremeters..." and enter parameters required:



Project: Time-phasing (Compare) - Parameters

Report Parameters

...	Parameter	Data type	Required	Parameter value	
	Q	Q	<input type="checkbox"/>	Q	
▶	Archives	Text	<input type="checkbox"/>	15,16	
	WBS	Text	<input type="checkbox"/>	A	
★			<input type="checkbox"/>		

Number of rows: 2

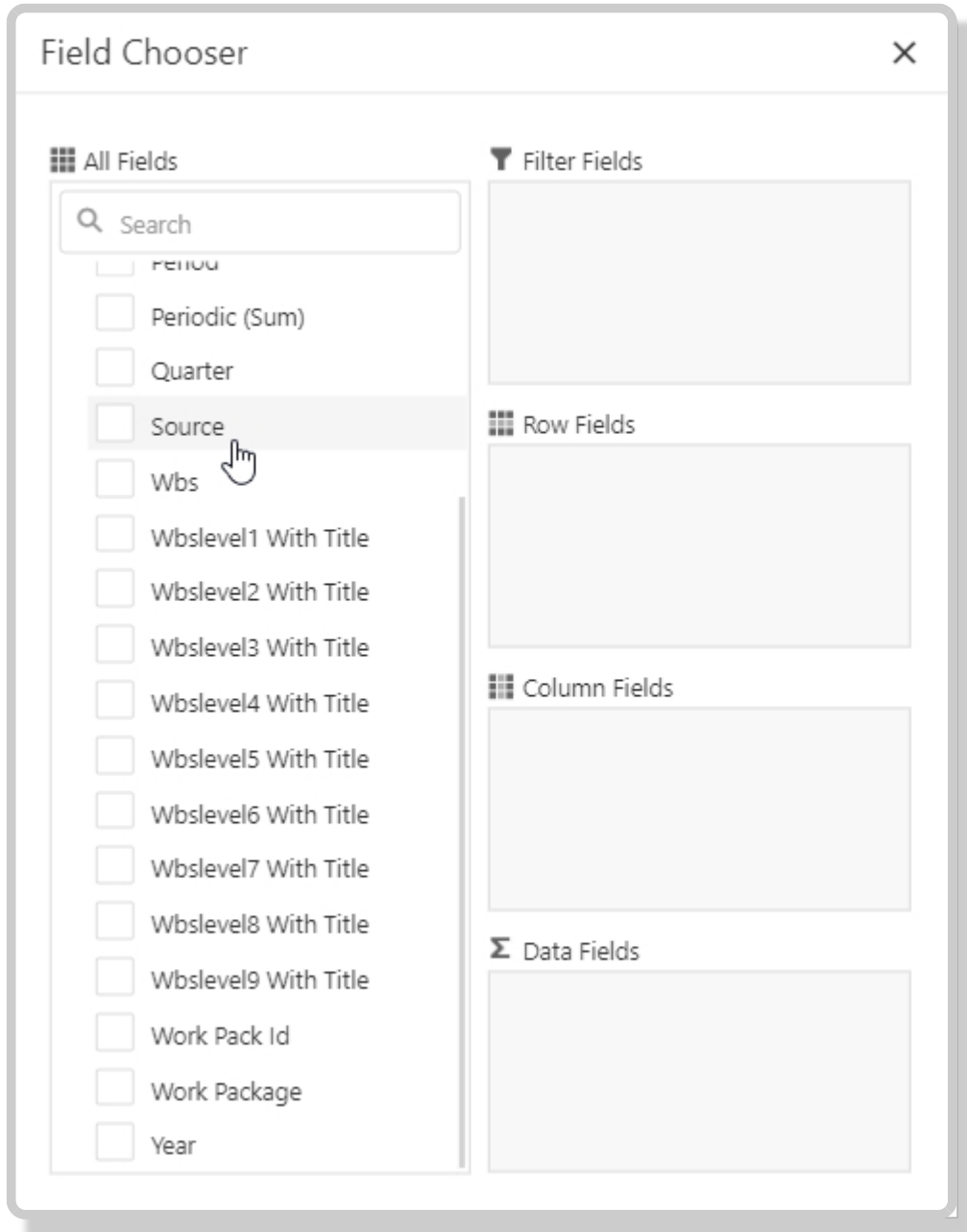
Close

After data is loaded, data loaded time stamp indicator will display a time the data has been requested and button will change to "Reload Data". It is possible to load the new pivot request every time in new window, by ticking on the "Load in new window" checkbox.

If you are loading already configured layout, Pivot data will be displayed. If more layout's available you can change them for the loaded data, without relaoding, by selecting a Layout from the available list.

### Configuring Pivot Layout

When creating first Pivot Layout and the Pivot data is loaded, click on on the "Field Chooser" button



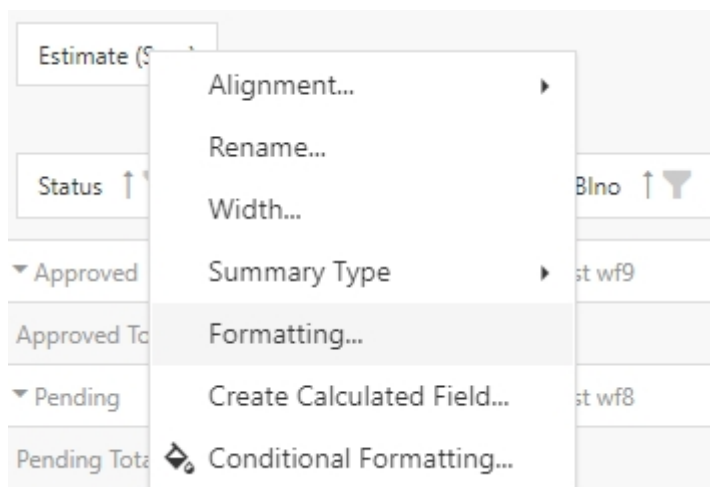
You can search for required fields and place them in the corresponding Pivot area by dragging the field. It is also possible to move the fields in the Pivot Layout when field chooser is closed.

Drop Filter Fields Here

Periodic (Sum)	Year ↑	Period ↑	
Source ↑	Wbslevel3 With Title ↑	2019	2020
Actual		1,062.45	489,608,992.57
Archive: 15 (MCE (0): CCE) - Cut-off 2021-06	Period06 ↑	0.00	44,502,615.37
Archive: 16 (MCE (0): MCE) - Cut-off 2021-06		0.00	44,502,615.37
Booked		0.00	0.00

### Changing format of numbers

When you have value fields in your layout, it is possible to change the format by right clicking on the number field within the Data area and clicking on "Formatting..." menu



In the pop-up window you can indicate the formatting or create a custom format based on suggested examples.

Format Periodic

#,##0.00

Format character	Description
0	A digit. Displays '0' if it is not specified in the UI.
#	A digit or nothing. One symbol represents several integer digits, but only one decimal digit. For example, "#,#" represents "123.4", but not "123.45".
.	A decimal separator.
,	A group separator.
%	The percent sign. Divides the input value by 100. If it is enclosed in single quotes ('%'), it only adds this sign to the input value.
;	Separates positive and negative numbers. If there is no explicit negative format, a positive number receives the "-" prefix.
Other characters	Any character. Should be placed only at the format string's beginning or end. You can use the special characters above as well (in single quotation marks).

**Accepted Values:** 'billions' | 'currency' | 'day' | 'decimal' | 'exponential' | 'fixedPoint' | 'largeNumber' | 'longDate' | 'longTime' | 'millions' | 'millisecond' | 'month' | 'monthAndDay' | 'monthAndYear' | 'percent' | 'quarter' | 'quarterAndYear' | 'shortDate' | 'shortTime' | 'thousand' | 'trillions' | 'year' | 'dayOfWeek' | 'hour' | 'longDateLongTime' | 'minute' | 'second' | 'shortDateShortTime'

More info [here](#) and [here](#)

Number fields also support a summary type to be chosen, when placed in the data area:

- SUM - Sum of (default)
- AVG - Average of
- MIN - Minimum of
- MAX - Maximum of
- Count - Count of

Other operations you can do with any field in the Pivot report:

- Alignment (left, center, right)
- Rename - renaming of the field within a layout (original field name still remains and is visible from the "rename" pop-up window)
- Width - allows to set width for fields, specified in pixels (just entering number)

### Creating calculated field

It is possible to create a calculated field, i.e. based on two other fields in the pivot data source. To create a calculated field right click on any not calculated column header of the Pivot report and click on "Create Calculated field..." menu.

## Customize field Default Calculated Field



Caption: Default Calculated Field

Data Type: number

[PerForecast] - [PerPlanned]



PerActual

PerPlanned

PerForecast

CumActualProg

CumPlannedProg

Save

- Provide a Caption for the field
- Select field type (string, number or URL)
  - To create URL field you need to build a URL link, i.e. You want to have a link to Changes Detail application by clicking on the Change No field in the Pivot:

■

## Customize field change url



Caption: ChangeNoURL

Data Type: url

Display Field:

[ChangeNo]

'/costmgmt-cost-changes-detail?Domain=CostTest&ChangeNo=' + [ChangeNo]

- Drag the fields available and use available operators to create a calculated field.
- The field format can be specified after adding the field to the layout.
- Click "Save". Field Chooser will appear allowing you to drag the field into corresponding area of the Pivot Report.

## Report Totals

It is possible to control the visibility of the Pivot reports totals

PerForecast (Sum)				Year ↑ ▼		Period ↑ ▼									Column Total	Column Grand Total																																							
Wbslevel1 With Title ↑ ▼				Wbslevel2 With Title ↑ ▼				Wbslevel3 With Title ↑ ▼				Work Package ↑ ▼											2025 Total	▶ 2026	Grand Total																														
				2025-06				2025-07				2025-08				2025-09				2025-10				2025-11				2025-12																											
▼ A - Green Energy Project				▶ A.01 - Converter Stations				0				0				0				0				0				0				0				0				0				0				109,457,307,058							
				▶ A.02 - Cable Installation				0				0				0				0				0				0				0				0				0				679,734,568											
				▶ A.03 - Fiber Optic Cable				0				0				0				0				0				0				0				0				0				493,829,250											
				▶ A.04 - Management & 3rd Party				0				0				0				0				0				0				0				0				0				249,806,037											
				▶ A.05 - Land Acquisition & Permits				0				0				0				0				0				0				0				0				0				97,098,765											
				▶ A.06 - Operations & Pre-comissioning				10,644,517				0				0				0				0				0				0				0				63,867,102				0				133,765,632							
				▶ A.99 - Contingency				0				0				0				0				0				0				0				0				0				0				121,779,477							
A - Green Energy Project Total				Row Total				10,644,517				0				0				0				0				0				0				0				63,867,102				0				111,433,320,787							
▶ B - Finance Cost								0				0				0				0				0				0				0				0				0				0				21,968,912							
▶ C - Other								0				0				0				0				0				0				0				0				0				0				0							
▶ D - New WBS								0				0				0				0				0				0				0				0				0				0				217,201							
Grand Total				Row Grant Total				10,644,517				0				0				0				0				0				0				0				0				63,867,102				0				111,455,506,900			

To change visibility of the report totals right click in the Pivot area and then select "Report Totals..." menu:

### Report Totals

☒ Show Row Totals
 ☒ Show Column Totals

☒ Show Row Grand Totals
 ☒ Show Column Grand Totals

OK

Selected cells Running totals/average

By selecting cells in the pivot report you can see the summary calculated in the bottom right corner of the Pivot Report.

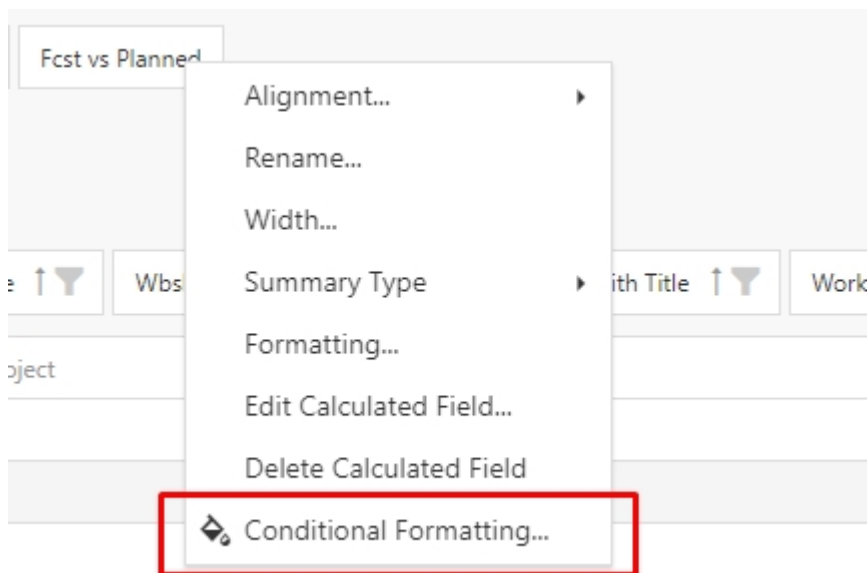
69,898,330	63,867,102	0	133,765,632
32,408,573	0	0	121,779,477
386,747,998	63,867,102	0	111,433,320,787
0	0	0	21,968,912
0	0	0	0
1,800	0	0	217,201
386,749,799	63,867,102	0	111,455,506,900
SUM			584,380,533

You can also change the summary type to AVG, by clicking on the "SUM" button.

Conditional Formatting

It is possible to create Conditional Formatting rules on Pivot layout. To create conditional formatting right click on the field located in data area.





in Conditional Formatting modal, click on "+" to add a conditional formatting rule (multiple rules can be added)

Conditional formatting

+

Estimate

Bold:

Italic:

Underline:

Strike:

Back Color:

Font Color:

Expression:

And

+

+

greater than or equal to

100,000.00

Estimate

Bold:

Italic:

Underline:

Strike:

Back Color:

Font Color:

Expression:

And

+

+

Estimate (Sum)

Is less than or equal to

0.00

Save

Cancel

Under Expression click on "Add Condition" and specify conditional expression by picking from the available list different parameters. Then select appropriate formatting attributes and click "Save" to save the rule. If you want to keep the conditional formatting in the layout, save currently loaded layout or create new layout.

Category

Approved Date

Bino

Estimate (Sum)

Source

Wotype

Status	Change No With Title	Work Package	▼ Change Register		Change Register Total	▼ Estimate: CCE		Estimate: CCE Total	► Estimate: Forecast	
			Contingency	Other		Contingency	Other			
▼ Approved	► CostTest-0004 - Additional travel requirements for Project Management		-31,300.00	31,300.00	0.00					
	► CostTest-0052 - AG Change 03-09-01	A.01A.01 - Management		2,000.00	2,000.00		2,000.00	2,000.00	2,000.00	
		A.99A.01 - Construction Contingency	-2,000.00		-2,000.00	-2,000.00	-2,000.00	-2,000.00	-2,000.00	
	CostTest-0052 - AG Change 03-09-01 Total		-2,000.00	2,000.00	0.00	-2,000.00	2,000.00	0.00	0.00	
	► CostTest-0066 - AG Cont 05-26		-7,199.00	7,199.00	0.00	-7,199.00	7,199.00	0.00	0.00	
	► CostTest-086 - AG 07-14 V2			49,999.00	49,999.00		49,999.00	49,999.00	49,999.00	
	► CostTest-097 - AG 07-23 bug on approved			2,222.00	2,222.00		2,222.00	2,222.00	2,222.00	
	► CostTest-117 - Test CCE Phasing			1,000.00	1,000.00		21,000.00	21,000.00	21,000.00	
	► CostTest-119 - Test 9/30 3			1,001.00	1,001.00		1,001.00	1,001.00	1,001.00	
	► CostTest-123 - TestCat			0.00	0.00					
	► CostTest-127 - Test Currency			40,000.00	40,000.00		30,000.00	30,000.00	30,000.00	
	► CostTest-128 - Test currency gv 2			10,000.00	10,000.00		1,000.00	1,000.00	1,000.00	
	► CostTest-131 - Change category Gv01			15,000.00	15,000.00		8,000.00	8,000.00	8,000.00	
	► CostTest-132 - Change category G-2			6,000.00	6,000.00		5,000.00	5,000.00	5,000.00	
	► CostTest-133 - Change for type G-3			6,260.00	6,260.00		6,260.00	6,260.00	6,260.00	
	► CostTest-CC-00002 - testappr			-909.00	95,909.00	95,000.00				
	► CostTest-CC-00023 - Ona_Approve				3,000.00	3,000.00		3,000.00	3,000.00	3,000.00
	► CostTest-CC-00045 - Test-GV-x				0.00	0.00		0.00	0.00	0.00
	► CostTest-CC-00055 - AugisTest				15.00	15.00		1.25	1.25	1.25
	► CostTest-CostChange-00003 - Test5				2,000.00	2,000.00				
	► CostTest-CostChange-00013 - Ona-test-06-11				0.00	0.00		0.00	0.00	0.00
	► CostTest-CostChange-00014 - OnaTest	A.01A.04 - Construction & Installation			1,008,000.00	1,008,000.00		1,008,000.00	1,008,000.00	1,008,000.00
		A.01C.01 - Management			-8,000.00	-8,000.00		-8,000.00	-8,000.00	-8,000.00

SUM

0

Expanding, Collapsing and Drill-down

If the layout contains data that can be grouped by a row or column expand and collapse functionality will be available on such fields. Users can individually collapse and expand specific field values by clicking on the "triangular" icon

► 2020	▼ 2021				
	2021-01	2021-02	2021-03	2021-04	2021-05

If you want to expand or collapse all rows/columns values for specific field, right-click on it and select "Expand All" or "Collapse All" correspondingly.

Wbslevel2 With Title	Wbslevel3 With Title	Work Package
► A.01 - Converter Stations		
► A.02 - C		
► A.03 - Fi		
► A.04 - M		
► A.05 - L		

Expand All

Collapse All

Sort "Year" by This Row

Sort "Period" by This Row

It is possible to drill-down to the details of the data summarized in specific cell, by double-clicking on the cell value, or right-clicking on it and selecting "Drill-down" menu.

0	64,199,621	0	0
765	62,723,765	53,300,504	0
0			0
0			0
777			97,336

You will then see a pop-up with the details of the data contributing to the summarized value:

A.04 - Management & 3rd Party Drill Down Data: 62,723,765						
Per Forecast	WBSLevel 1With Title	WBSLevel 2With Title	WBSLevel 3With Title	Work Package	Year	Period
0	A - Green Energy Project	A.04 - Management & 3rd Party	A.04.A - Management HQ	A.04.A.01 - Workforce	2021	2021-06
0	A - Green Energy Project	A.04 - Management & 3rd Party	A.04.A - Management HQ	A.04.A.02 - Travel	2021	2021-06
39575617.28	A - Green Energy Project	A.04 - Management & 3rd Party	A.04.B - 3rd Party Services	A.04.B.01 - Studies Verifications	2021	2021-06
23148148.14	A - Green Energy Project	A.04 - Management & 3rd Party	A.04.B - 3rd Party Services	A.04.B.02 - 3rd Party Services	2021	2021-06

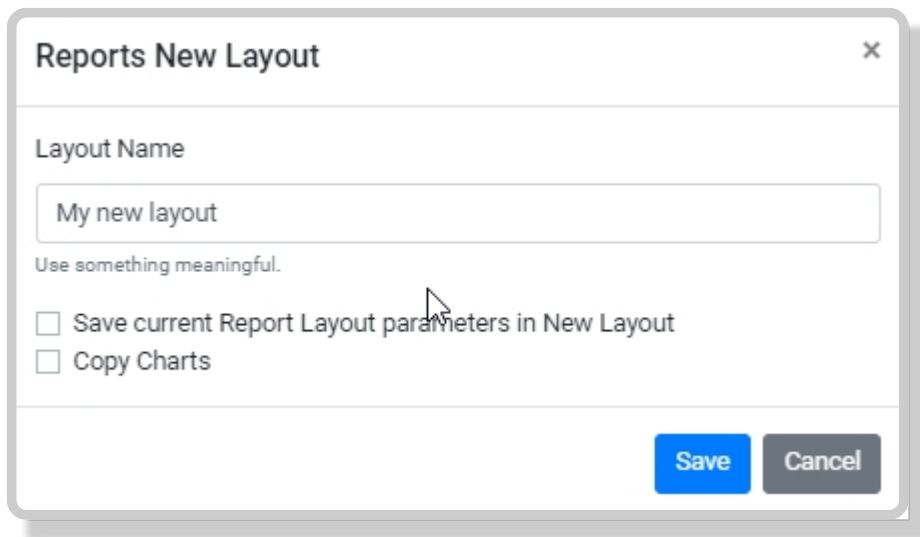
Layouts menu

Layouts menu is available by right-clicking in the Pivot area or by clicking on the "gauge" button on the right of the Layouts drop down list, and then selecting "Layouts" menu.

Layouts	+ New...
Reset Selected Cells	Save
Report Totals...	Rename...
	Delete
	Restore to Current Layout
	Clear
	Share...

Saving New Layout

To save new layout, when you have modified the layout according to your needs, click on "New..." menu button from Layouts menu. In pop-up window specify Layout title, and choose other options:



- **Save current Report Layout parameters in New Layout** - if you have loaded a pivot report data with specified parameters and you want to store these parameters within the layout being created (i.e. specifying specific Archive ID to refer to) then tick this checkbox.
- **Copy Charts** - If the layout you are saving, contains charts, or you are creating a new layout from the existing layout which has charts configured you can copy these charts into the newly created layout

#### Saving/Renaming Current Layout

If you are the owner of the layout loaded (in case of default layouts) or you are a Pivot Web Administrator, or in case of custom layout where you have been given permissions as editor, you will be able to Save the changes to current layout. Also same permission rules will be applied when Renaming the Pivot Layout.

In case of no permissions, an error message will be displayed specifying that you do not have permissions to save changes to current layout.

#### Restore to Current Layout

If you have loaded a layout, and started to modify it, but then decided to return to initial layout, without reloading the data, you can click on Restore to Current Layout.

#### Clearing Layout

It is possible to clear the layout and start creating layout from scratch.

#### Sharing a layout

Layouts can be shared between team members. To Share a layout click on "Share" menu button from "Layouts" menu. Only owners and Pivot Web Administrators can share layout. Custom Layouts can be allocated to specific user or user groups.

Layout Permissions

...

Sys Group ID

Access Level

Q

Q

ona@omega.no

Owner

★

1-1 of total 1

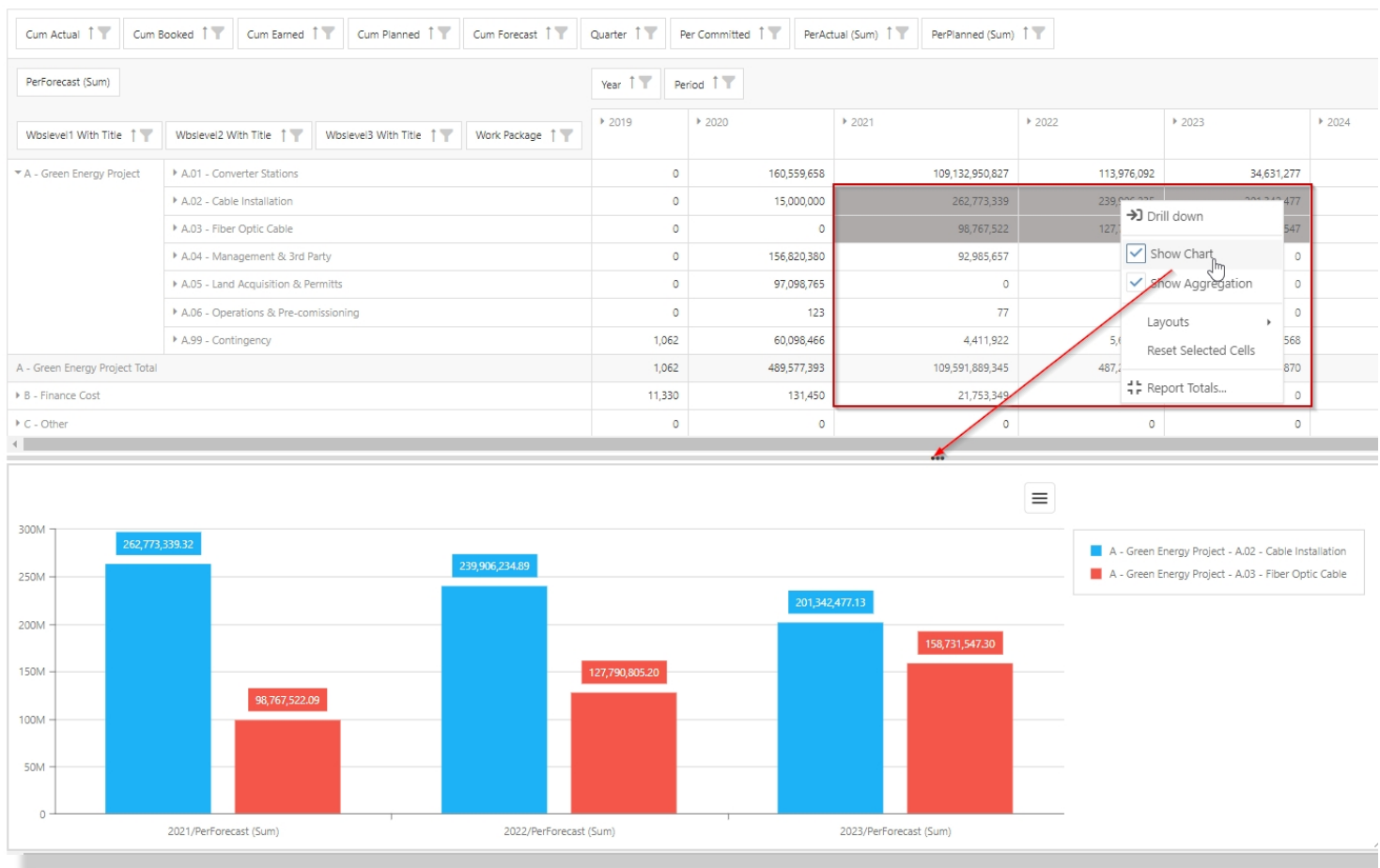
OK

Cancel

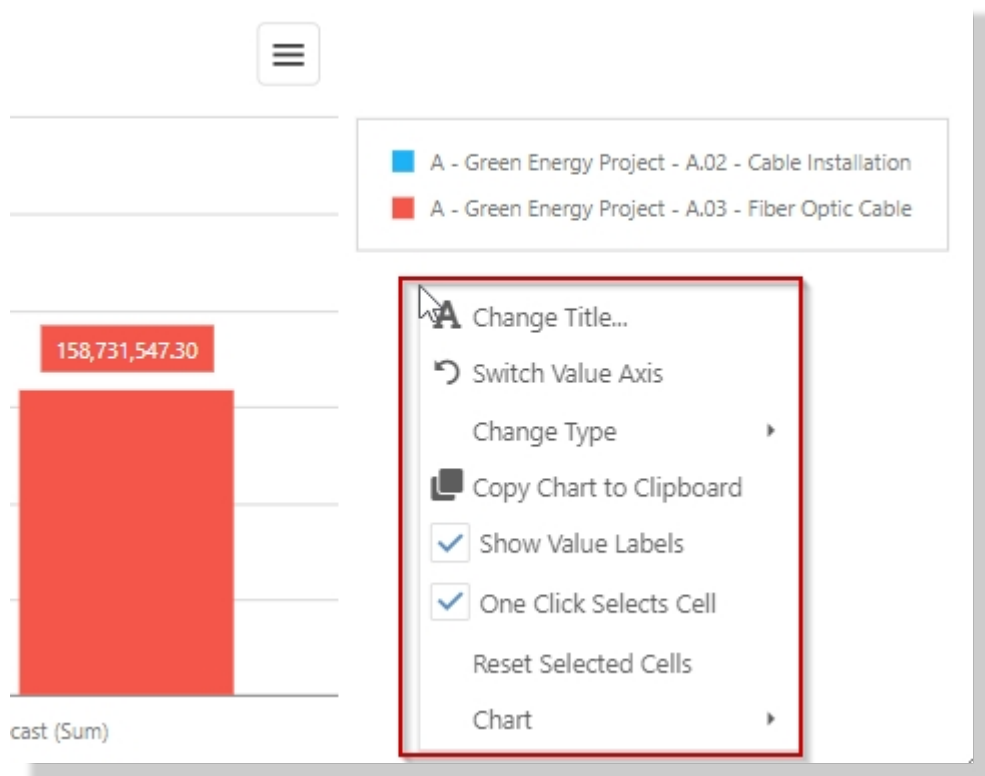
When sharing a layout you can specify Access level: Reader or Editor.

## Charts

It is possible to create charts from the selected values in the Pivot Report. You can either select values individually by clicking in the cells, or clicking on the column or row to select all row or column values correspondingly. When values are selected, you can right click in Pivot area and tick the Checkbox "Show Chart"

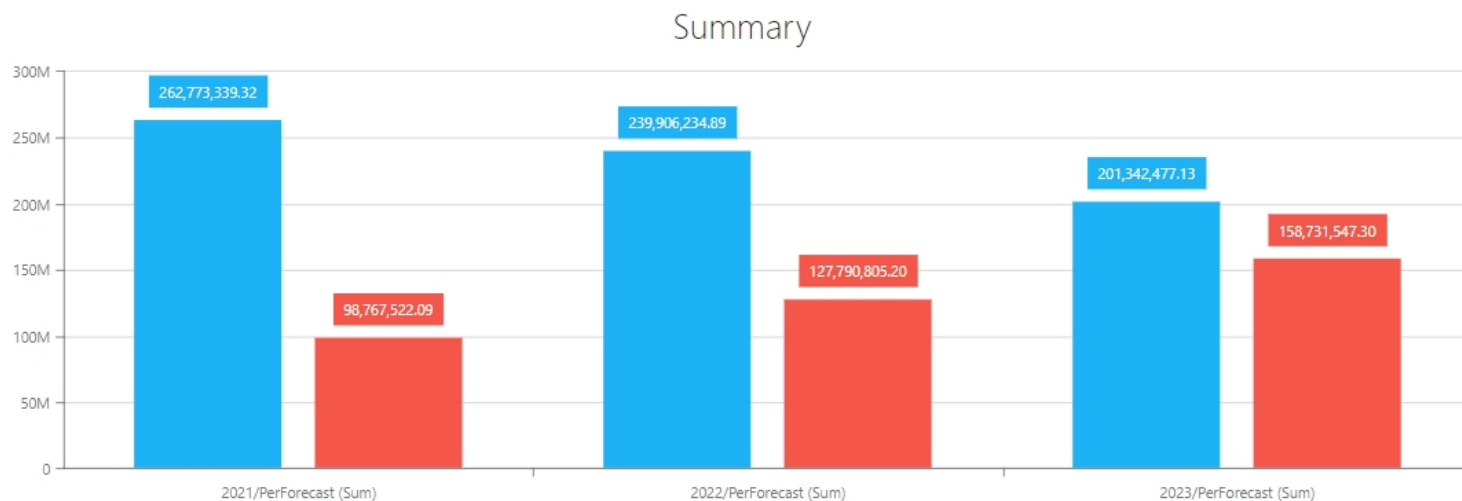


There are different options available for the chart. To access Chart options right-click in the chart area:



### Adding / Changing Chart Title

To add or edit chart title, click on "Change Title" menu item in Chart options menu. You will be prompted to provide a Title in the browser prompt window.

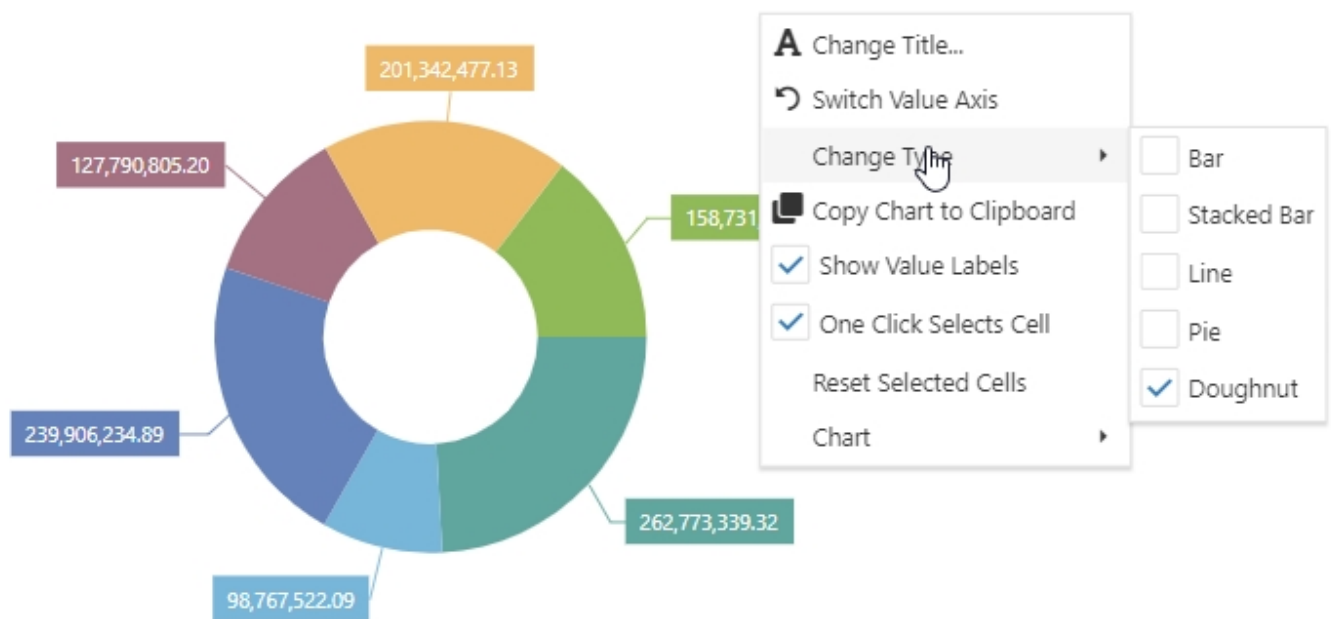


### Switch Value Axis

This option allows you to switch value axes so that selected rows or columns data switch to X or Y axis correspondingly, without requiring you to change the layout.

### Chart Types

Currently the following Chart types are supported in Pims Pivot Reports module: Bar, Stacked Bar, Line, Pie, Doughnut. To change chart type go to Chart Type menu item and select required chart type in the sub menu.

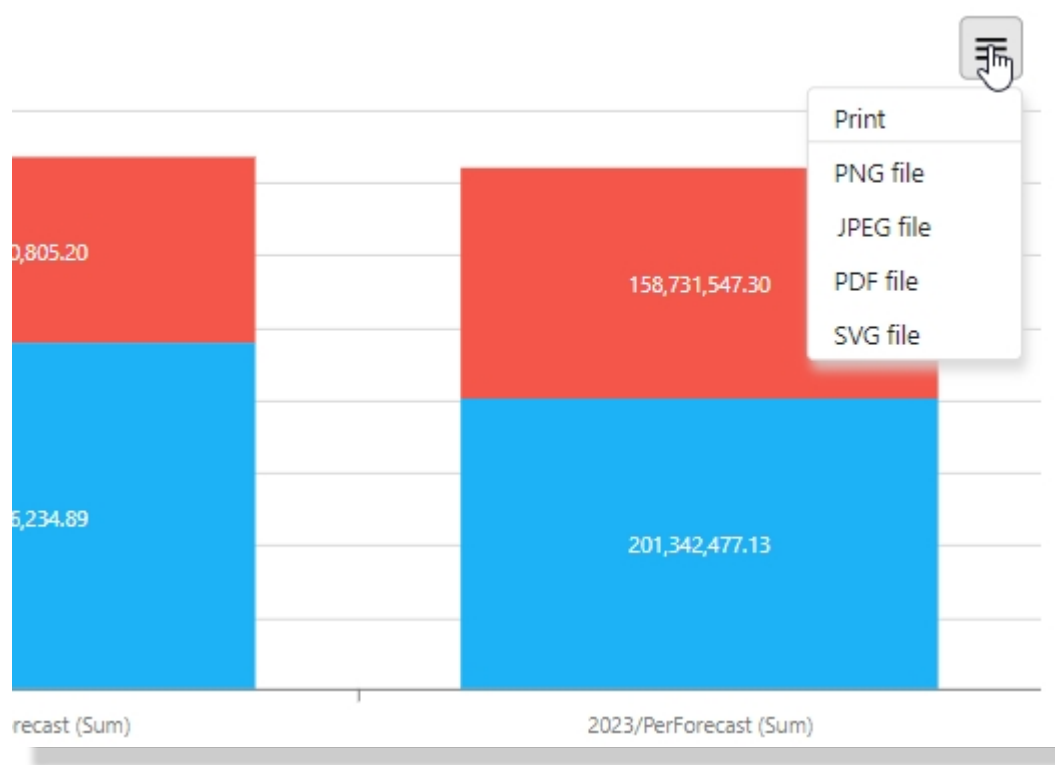


## Copying / Exporting / Printing Charts

It is possible to quickly Copy chart via clip board and insert for example in the email message or word document. Click on "Copy Chart To Clipboard" in chart options menu, then go to dedicated application and click Ctrl+V on your keyboard.

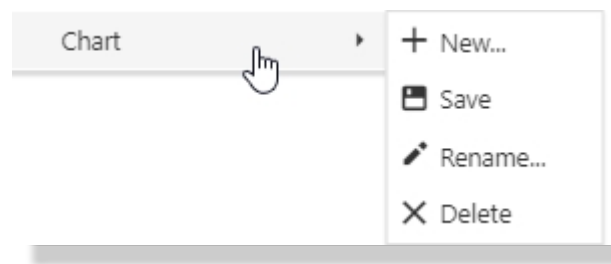
It is also possible to export chart to available formats or print it. Locate the menu button on the chart right top corner and pick the required format or click on "Print" button. You will be prompted to save the

file or presented with a Print dialog in the case when printing is selected.



Saving Charts

It is possible to save charts within the layout and later select them when such layout is loaded. If Layout starts to be modified, the selection of the cells used in a saved chart need to be revized or layout need to be reloaded to initial state. To save a chart in the layout, configure chart options, and then click on Chart menu item and select "New..."



You will be prompted to provide a chart title and then click "Save". It is also possible to reconfigure the chart (i.e. switch value axis, visibility of value labels, change title) and save the new chart configuration into already saved Chart. Also Chart title can be renamed, and chart configuration can be deleted using the corresponding menus.

Loading Saved Charts

If the loaded layout contains saved charts, you can load them by selecting a chart from a drop down and clicking on Load Chart button.



202

189,203

712,516

539,376

0

0

898,330

408,573

747,998

0

0

1 800

my chart

stacked bar chart

doughnut

3 records

Clear

Grand Total

109,457,307,058

879,734,568

493,829,250

249,806,037

97,098,765

133,765,632

121,779,477

111,433,320,787

21,968,912

0

217 201

Charts:

doughnut

Load Chart