Profitbase AS

Profitbase Planner

Configuration and Operation Driver based module

Profitbase

24.06.2023

Version 3.4



Content

Cont	ent	2
1	Abstract, intended audience and pre-requisites	4
2	Common functionality	4
3	Principle of operation	6
	_Driver based models _Dimensionality Historical references Planning horizon Plan roll forward actions Source data	8 8 8 9
_	Long term plan	
4 	Model configuration Input models Create a new input model Process an input model Delete an existing input model Publish an input model Edit input model properties Define calculations Define dimensionality. Define historical reference columns. Define deviation columns Select / unselect optional columns. Translations Define measures Attach module to input report. Period filters. Edit. Period button and navigation Limit access to specific models. Control row context menu options (right-click) Multi-department input Auto submit data	.10 .10 .11 .11 .12 .13 .15 .17 .17 .19 .20 .20 .21 .22 .22 .22 .23 .23
5	Settings	25
	Assumptions Distribution keys Measure to account mapping Auto transactions (optional) Advanced – engine interface (optional) Override default mapping of measures to transaction columns Exclude measures from engine.	.26 .27 .28 .29 .31
6	Data management	31
	_Dimensions _Source fact data	

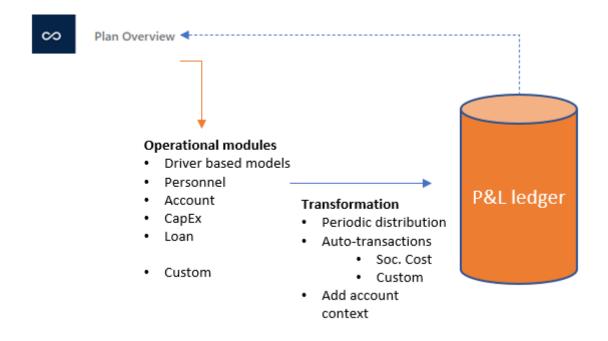
	Version:	Changed by:	Changes:
29.05.2020	0.0	TN	Initial content
12.10.2020	1.0	TN	Revised
19.05.2021	2.0	TN	Revised for Planner v5
11.08.2021	2.1	TN	Added deviation columns
04.10.2021	2.2	TN	Revised for v5 final
09.12.2021	2.3	TN	Revised for v5.1
07.07.2022	3.0	TN	Revised for v5.2
05.12.2022	3.1	TN	Revised for v5.2.4
24.02.2023	3.2	TN	Revised for v5.4.0
24.06.2023	3.4	TN	Revised for v5.4.1



1 Abstract, intended audience and pre-requisites

The Profitbase Planner Configuration and Operation series consists of several documents dealing with the configuration and operation of individual Planner modules and functions.

Planner modules are operational input modules that contributors to the plan processes use to prepare the Profit & Loss (P&L) of their respective areas of responsibility. Different modules will typically cover parts of the P&L such as sales, personnel, cost, etc.



The modules are accessed from the Plan overview workbook of a given version and the input provided by the contributors are transformed into P&L transactions and fed back to the Plan overview workbook resulting in a P&L work-in-progress overview.

The intended audience of this document is implementation partners configuring the solution initially and solution administrators responsible for operating it thereafter.

This document assumes that a Profitbase Planner solution has been deployed and that access to this solution is given to the reader.

2 Common functionality

Changes made to input sheets are not saved automatically. To save changes, click the "Save" button. The "Save" button will remain disabled until a change has been made.

To undo all unsaved changes, click the "Refresh" button.

To undo the last of a series of unsaved changes, click the Ctrl and Z keys simultaneously.

To insert new rows to an input sheet, right-click in the sheet and select one of the available options:



- Insert row
- Insert row below
- Insert copy of row

To delete a row from an input sheet, right-click the row in question and select:

- Delete row

Inserting and deleting rows can be controlled as part of the configuration, see <u>Control row</u> <u>context menu options (right-click)</u>.

Please note, that although the row is no longer visible in the input sheet, the change must be committed using the "Save" button or undone using the "Refresh" button.

In input sheets, editable fields are distinguished from non-editable fields by fill color, editable fields have by default a white fill color.

In setting tables, a so-called ranked input concept is often used for the dimensional context. Ranked input allows for a high-level selection of dimensional nodes and gives the opportunity to alter the rank or specificity between rows.

A ranked input cell can be set through the ranked input selector by clicking the cell value (cell will display 3 dots if no value is set):

Selected value: Profitways		
✓ All Departments		
 Profitways 		
» York		
> Oslo		
> London		
> Stavanger		
> Houston		
> Bergen		
> Paris		
> Berlin		

The ranked input selector will display the dimensional hierarchy and allows for the selection of a high-level dimensional node. The selection of a high-level node implies that the setting applies to all sub-ordinate nodes.

Select node and click "OK".

Click "Cancel" to leave the selector without selecting.

In a table containing multiple rows, the rank or specificity of individual rows can be altered by moving the row up (decrease specificity) or down (increase specificity) by right-click the row in question and selecting:

- Move up
- Move down



The less specific the setting is, row should be high up in the table. The more specific the setting is, the further down in the table the row should reside.

3 Principle of operation

Driver based models

The driver-based module uses as the name suggests a driver-based principle.

Multiple models consisting of measures may be defined. Common to all models is the definition of one of the measures as the driving measure for that model.

rodu	uct sales																			
ain dri	ver																			
< Ba	ack Save	Refresh	Periods	2020	×	~														
	Product	Market	Measure	Fct	tActL12M	Act.YTD 2020	For.YTG 2020	2020	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20	Jul 20	Aug 20	Sep 20	Oct 20	Nov 20	Dec 2
1	Product	Market	Measure	Fct \$z	tActL12M 937	Act.YTD 2020 847	For.YTG 2020 955	2020 1 802	Jan 20 120	Feb 20	Mar 20 108	Apr 20 123	May 20 385	Jun 20	Jul 20	Aug 20	Sep 20 273	Oct 20 307	Nov 20 171	
1		Market Norway	Measure Sales qty											Jun 20 0	Jul 20 D	Aug 20 0				Dec 2
1 2 3	Total			\$Σ	937	847	955	1 802	120	111	108	123	385		Jul 20 0	Aug 20 0	273	307	171	3
	Total Profitways DIVISIon Core	Norway	Sales qty	Sr S	937 652	847 562	955 578	1 802 1 140	120 120	111 111	108 108	123 123	385 100	0	0	Aug 20 0 0	273 165	307 186	171 103	3
3	Total Profitways DiVision Core Profitways DiVision Core	Norway European Union	Sales qty Sales qty	Sr S S	937 652 23	847 562 23	955 578 377	1 802 1 140 400	120 120 0	111 111 0	108 108 0	123 123 0	385 100 23	0	0	Aug 20 0 0 0	273 165 108	307 186 121 0	171 103 67	3
3 4	Total Profitways DIVIsion Core Profitways DIVision Core Profitways EDM*	Norway European Union Norway	Sales qty Sales qty Sales qty	Sr S S S	937 652 23 35	847 562 23 35	955 578 377 0	1 802 1 140 400 35	120 120 0 0	111 111 0 0	108 108 0 0	123 123 0 0	385 100 23 35	0 0 0	0	Aug 20 0 0 0 0 0	273 165 108 0	307 186 121 0	171 103 67 0	3
3 4 5	Total Profitways DiVision Core Profitways DiVision Core Profitways EDM ^a Profitways EDM ^a	Norway European Union Norway European Union	Sales qty Sales qty Sales qty Sales qty	Sr S S S S S	937 652 23 35 56	847 562 23 35 56	955 578 377 0 0	1 802 1 140 400 35 56	120 120 0 0	111 111 0 0 0	108 108 0 0	123 123 0 0 0	385 100 23 35 56	0 0 0	0 0 0	Aug 20 0 0 0 0 0 0	273 165 108 0 0	307 186 121 0 0 0	171 103 67 0 0	

Examples of driving measures may be Sales quantity, Sales volume, FTE (Full Time Equivalents) and so on.

Click the ^{\$} icon to view the P&L transactions generated from the row in question.

Additional measures make up the detail model and may take direct input, be lookups to assumptions and calculations of other measures.

Click the ^Q icon for the row in question to view the detailed model.

Kettes 201 X Residualization Residualizat																							
Image may be ready A wind wind A wind wind wind wind wind wind wind wind				_					Measure														N
Kettesh Oto Oto No Descentation Kettesh A. Constitution seles effect No	< Bac	k Save	R	fresh	Periods	2021		$\times \sim$	Sales qty		$\times \mid$ \sim										In Progre	$ \sim$	CHEW I
Network 201 X ✓ Measurement Mark	anger	(NOK) Sales																					
Notes Period 221 X Period Period X Period Period X Period Pe	De	tails																					×
Notes Period 221 X Period Resultation Heating and the set of the	etails																					0)
Measure Act 1/f Actuals 12/M Act/TD 2021 Plan 75 2021 Jan 21 Mar 21	ciono		_																			0	
Measure At 10 ⁴ Actuals L12M Act/17D 2021 Pier/16 2021 2021 Jan 21 Mar 21	Sa	ve Refresh		Periods	2021		X 🗸 🛛 🖪	lecalculate															
Measure At 10 ⁴ Actuals L12M Act/17D 2021 Pier/16 2021 2021 Jan 21 Mar 21																							
Measure At 10 ⁴ Actuals L12M Act/TD 2021 Pier/TG 2021 2021 Jan 21 Mar 21	ofitw	war DiVision Core - Europe	an He	ion - Proie	ct & . Consolid	ation sales off	art																
terrefy 4 0 0 0 1000 10000 10000 10000 10000 10000 10000 10000 10000 100000 10000 100000 100000 100000 10000 10000 10000 10000 10000 10000 100000 1000	onew	ays brivision core - Europe		ion - rioje	CCA - Collisolio	auon sales en	лс																
tegyr 4 0 0 0 1000 100000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10		Measure		Act UY	Actuals L12M	Act.YTD 2021	Plan YTG 2021	2021	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	0:4 21	Nov 21	Dec 21	Com		
Normage frequency Col 0 100 0000 11000 0000 1000 0000 1000																							
ming freight per mit 6 0 0 0 80000																					com	ment	
ming Freight 🗚 0 0 0 8 000 000 8 000 000 1 600 000 1 400 000 1 200 000 1 000 000 800 000 600 000 400 000 200 000 200 000 200 000 200 000 200 000	2	Sales qty	41	0	0	0	1 000	1 000	200	175	150	125	100	75					25		com	ment	
	2	Sales qty Sales price	_												50	25	25	25		25	Com	ment	
mission % 🔍 0 0 1.0% 1.0% 1.0% 1.0% 1.0% 1.0% 1.0%			8	0	0	0	190 000 8 000.00	190 000	190 000	190 000 8 000.00	190 000 8 000.00	190 000	190 000	190 000 8 000.00	50 190 000 8 000.00	25 190 000 8 000.00	25 190 000 8 000.00	25 190 000 8 000.00	190 000 8 000.00	25 190 000 8 000.00	Com	ment	
	3	Sales price	8	0	0	0	190 000 8 000.00	190 000 8 000.00	190 000 8 000.00	190 000 8 000.00	190 000 8 000.00	190 000 8 000.00	190 000 8 000.00	190 000 8 000.00	50 190 000 8 000.00	25 190 000 8 000.00	25 190 000 8 000.00	25 190 000 8 000.00	190 000 8 000.00	25 190 000 8 000.00	Com	ment	
mission 🏂 0 0 0 1900000 1900000 380000 332500 285000 237500 190000 142500 95000 47500 47500 47500 47500 47500	3 4	Sales price Incoming freight per unit	0 1 10	0	0	0	190 000 8 000.00 8 000 000 1.0 %	190 000 8 000.00 8 000 000 1.0 %	190 000 8 000.00 1 600 000 1.0 %	190 000 8 000.00 1 400 000 1.0 %	190 000 8 000.00 1 200 000 1.0 %	190 000 8 000.00 1 000 000 1.0 %	190 000 8 000.00 800 000 1.0 %	190 000 8 000.00 600 000 1.0 %	50 190.000 8 000.00 400.000 1.0 %	25 190 000 8 000.00 200 000 1.0 %	25 190 000 8 000.00 200 000 1.0 %	25 190 000 8 000.00 200 000 1.0 %	190 000 8 000.00 200 000 1.0 %	25 190 000 8 000.00 200 000 1.0 %	Com	ment	
	3 4 5	Sales price Incoming freight per unit Incoming Freight		0	0	0	190 000 8 000.00 8 000 000	190 000 8 000.00 8 000 000	190 000 8 000.00 1 600 000	190 000 8 000.00 1 400 000	190 000 8 000.00 1 200 000	190 000 8 000.00 1 000 000	190 000 8 000.00 800 000	190 000 8 000.00 600 000	50 190.000 8 000.00 400.000	25 190 000 8 000.00 200 000	25 190 000 8 000.00 200 000	25 190 000 8 000.00 200 000	190 000 8 000.00 200 000	25 190 000 8 000.00 200 000	Com	ment	
	3 4 5	Sales price Incoming freight per unit Incoming Freight Commission %		0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	190 000 8 000 000 8 000 000 1.0 % 1 900 000	190 000 8 000.00 8 000 000 1.0 % 1 900 000	190 000 8 000.00 1 600 000 1.0 % 380 000	190 000 8 000.00 1 400 000 1.0 % 332 500	190 000 8 000.00 1 200 000 1.0 % 285 000	190 000 8 000.00 1 000 000 1.0 % 237 500	190 000 8 000.00 800 000 1.0 % 190 000	190 000 8 000.00 600 000 1.0 % 142 500	50 190.000 8.000.00 400.000 1.0 % 95.000	25 190 000 8 000.00 200 000 1.0 % 47 500	25 190 000 8 000.00 200 000 1.0 % 47 500	25 190 000 8 000.00 200 000 1.0 % 47 500	190 000 8 000.00 200 000 1.0 % 47 500	25 190 000 8 000.00 200 000 1.0 % 47 500	Con	ment	
1% & 0 0 0 67.5% 67.5% 67.5% 67.5% 67.5% 67.5% 67.5% 67.5% 67.5% 67.5% 67.5% 67.5% 67.5% 67.5% 67.5% 67.5% 67.5%	3 4 5 6 7	Sales price Incoming freight per unit Incoming Freight Commission % Commission	B * * B * B B	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	190 000 8 000 000 1.0 % 1 900 000 183 900 000	190 000 8 000.00 8 000 000 1.0 % 1 900 000 183 900 000	190 000 8 000.00 1 600 000 1.0 % 380 000 36 780 000	190 000 8 000.00 1 400 000 1.0 % 332 500 32 182 500	190 000 8 000.00 1 200 000 1.0 % 285 000 27 585 000	190 000 8 000.00 1 000 000 1.0 % 237 500 22 987 500	190 000 8 000.00 800 000 1.0 % 190 000 18 390 000	190 000 8 000.00 600 000 1.0 % 142 500 13 792 500	50 190 000 8 000.00 400 000 1.0 % 95 000 9 195 000	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500	190 000 8 000.00 200 000 1.0 % 47 500 4 597 500	25 190.000 8.000.00 200.000 1.0 % 47.500 4.597.500	Con	ment	
15 6 0 0 072 % 673 %	3 4 5 6 7 8 9 10	Sales price Incoming freight per unit Incoming Freight Commission % Commission Sales income Cogs % Cogs		000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	190 000 8 000.00 8 000 000 1.0 % 1 900 000 183 900 000 67.0 %	190 000 8 000.00 8 000 000 1.0 % 1 900 000 183 900 000 67.0 %	190 000 8 000.00 1 600 000 1.0 % 380 000 67.0 % 24 642 600	190 000 8 000.00 1 400 000 1.0 % 332 500 32 182 500 67.0 %	190 000 8 000.00 1 200 000 1.0 % 285 000 27 585 000 67.0 %	190 000 8 000.00 1 000 000 1.0 % 237 500 22 987 500 67.0 %	190 000 8 000.00 800 000 1.0 % 190 000 18 390 000 67.0 %	190 000 8 000.00 600 000 1.0 % 142 500 13 792 500 67.0 %	50 190 000 8 000.00 400 000 1.0 % 95 000 9 195 000 67.0 % 6 160 650	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325	190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325	. con	ment	
in in<	3 4 5 6 7 8 9 10 11	Sales price Incoming freight per unit Incoming Freight Commission % Commission Sales Income Cogs % Cogs % Cogs Outgoing Freight		0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	190 000 8 000.00 1.0 % 1 900 000 183 900 000 67.0 % 123 213 000 0	190 000 8 000.00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000 0	190 000 8 000.00 1 600 000 1.0 % 380 000 67.0 % 24 642 600 0	190 000 8 000.00 1 400 000 1.0 % 332 500 67.0 % 21 562 275 0	190 000 8 000.00 1 200 000 1.0 % 285 000 27 585 000 67.0 % 18 481 950 0	190 000 8 000.00 1 000 000 1.0 % 237 500 67.0 % 15 401 625 0	190 000 8 000.00 800 000 1.0 % 190 000 18 390 000 67.0 % 12 321 300 0	190 000 8 000.00 600 000 1.0 % 142 500 13 792 500 67.0 % 9 240 975 0	50 190 000 8 000.00 400 000 1.0 % 95 000 9 195 000 67.0 % 6 160 650 0	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	25 190 000 8 00000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	. con	ment	
15. 62. 0 0 67.05. <th< td=""><td>3 4 5 6 7 8 9 10 11 12</td><td>Sales price Incoming freight per unit Incoming Freight Commission % Commission Sales Income Cogs % Cogs Cogs Outgoing Freight Discount %</td><td></td><td>0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 0 0 0 0 0 0 0 0</td><td>190 000 8 000 000 1.0 % 1 900 000 183 900 000 67.0 % 123 213 000 0 2.0 %</td><td>190 000 8 000.00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000 0</td><td>190 000 8 000.00 1 600 000 380 000 36 780 000 67.0 % 24 642 600 0 2.0 %</td><td>190 000 8 000.00 1 400 000 1.0 % 332 500 32 182 500 67.0 % 21 562 275 0 2.0 %</td><td>190 000 8 000.00 1 200 000 1.0 % 285 000 27 585 000 67.0 % 18 481 950 0</td><td>190 000 8 000.00 1 000 000 1.0 % 237 500 67.0 % 15 401 625 0</td><td>190 000 8 000.00 800 000 1.0 % 190 000 67.0 % 12 321 300 0 2.0 %</td><td>190 000 8 000.00 600 000 1.0 % 142 500 67.0 % 9 240 975 0 2.0 %</td><td>50 190 000 8 000,00 400 000 1.0 % 9 195 000 67.0 % 6 160 650 0 2.0 %</td><td>25 190 000 8 00000 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 %</td><td>25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0 2.0 %</td><td>25 190 000 8 000.00 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 %</td><td>190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 060 325 0 2.0 %</td><td>25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0 2.0 %</td><td></td><td>ment</td><td></td></th<>	3 4 5 6 7 8 9 10 11 12	Sales price Incoming freight per unit Incoming Freight Commission % Commission Sales Income Cogs % Cogs Cogs Outgoing Freight Discount %		0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	190 000 8 000 000 1.0 % 1 900 000 183 900 000 67.0 % 123 213 000 0 2.0 %	190 000 8 000.00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000 0	190 000 8 000.00 1 600 000 380 000 36 780 000 67.0 % 24 642 600 0 2.0 %	190 000 8 000.00 1 400 000 1.0 % 332 500 32 182 500 67.0 % 21 562 275 0 2.0 %	190 000 8 000.00 1 200 000 1.0 % 285 000 27 585 000 67.0 % 18 481 950 0	190 000 8 000.00 1 000 000 1.0 % 237 500 67.0 % 15 401 625 0	190 000 8 000.00 800 000 1.0 % 190 000 67.0 % 12 321 300 0 2.0 %	190 000 8 000.00 600 000 1.0 % 142 500 67.0 % 9 240 975 0 2.0 %	50 190 000 8 000,00 400 000 1.0 % 9 195 000 67.0 % 6 160 650 0 2.0 %	25 190 000 8 00000 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0 2.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 %	190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 060 325 0 2.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0 2.0 %		ment	
15 0	3 4 5 6 7 8 9 10 11 12 13	Sales price Incoming Freight per unit Incoming Freight Commission % Cogn % Cogs % Cogs Outgoing Freight Discount %		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	190 000 8 000 00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000 0 2.0 % -3 800 000	190 000 8 000.00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000 0 2.0 % -3 800 000	190 000 8 000.00 1 600 000 380 000 36 780 000 67.0 % 24 642 600 0 2.0 % -760 000	190 000 8 000.00 1 400 000 1.0 % 332 500 67.0 % 21 562 275 0 2.0 % -665 000	190 000 8 000.00 1 200 000 285 000 27 585 000 67.0 % 18 481 950 0 2.0 % -570 000	190 000 8 000.00 1 000 000 237 500 22 987 500 67.0 % 15 401 625 0 2.0 % -475 000	190 000 8 000.00 800 000 1.0 % 190 000 67.0 % 12 321 300 0 2.0 % -380 000	190 000 8 000.00 600 000 1.0 % 142 500 67.0 % 9 240 975 0 2.0 % -285 000	50 190 000 8 000.00 400 000 1.0 % 9 5 000 9 195 000 67.0 % 6 160 630 0 2.0 % -190 000	25 190 000 8 000.00 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 % -95 000	25 190 000 8 000.00 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 % -95 000	25 190 000 8 000.00 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 % -95 000	190 000 8 000.00 200 000 4.0 % 47 500 67.0 % 3 080 325 0 2.0 % -95 000	25 190.000 8.000.00 2.00.000 1.0.% 47.500 67.0.% 3.080.325 0 2.0.% -95.000	. con	ment	
mission 1/4 0 0 0 1 900 000 1 900 000 380 000 332 500 237 500 190 000 142 500 95 500 47 500 47 500 47 500 47 500 47 500			_												50	25	25	25		25	Com	-	
	3 4 5	Sales price Incoming freight per unit Incoming Freight Commission %	0 1 10	0	0	0	190 000 8 000.00 8 000 000 1.0 %	190 000 8 000.00 8 000 000 1.0 %	190 000 8 000.00 1 600 000 1.0 %	190 000 8 000.00 1 400 000 1.0 %	190 000 8 000.00 1 200 000 1.0 %	190 000 8 000.00 1 000 000 1.0 %	190 000 8 000.00 800 000 1.0 %	190 000 8 000.00 600 000 1.0 %	50 190.000 8 000.00 400.000 1.0 %	25 190 000 8 000.00 200 000 1.0 %	25 190 000 8 000.00 200 000 1.0 %	25 190 000 8 000.00 200 000 1.0 %	190 000 8 000.00 200 000 1.0 %	25 190 000 8 000.00 200 000 1.0 %	Com	ment	
income A 0 0 183 900 000 183 900 000 183 900 000 183 900 000 12 182 500 27 585 000 22 987 500 18 390 000 13 782 500 9 195 000 4 597 500 4 597 500 4 597 500 4 597 500	3 4 5 6 7	Sales price Incoming freight per unit Incoming Freight Commission % Commission		0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	190 000 8 000 000 8 000 000 1.0 % 1 900 000	190 000 8 000.00 8 000 000 1.0 % 1 900 000	190 000 8 000.00 1 600 000 1.0 % 380 000	190 000 8 000.00 1 400 000 1.0 % 332 500	190 000 8 000.00 1 200 000 1.0 % 285 000	190 000 8 000.00 1 000 000 1.0 % 237 500	190 000 8 000.00 800 000 1.0 % 190 000	190 000 8 000.00 600 000 1.0 % 142 500	50 190.000 8.000.00 400.000 1.0 % 95.000	25 190 000 8 000.00 200 000 1.0 % 47 500	25 190 000 8 000.00 200 000 1.0 % 47 500	25 190 000 8 000.00 200 000 1.0 % 47 500	190 000 8 000.00 200 000 1.0 % 47 500	25 190 000 8 000.00 200 000 1.0 % 47 500		ment	
	3 4 5 6 7 8	Sales price Incoming freight per unit Incoming Freight Commission % Commission Sales Income		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	190 000 8 000 000 1.0 % 1 900 000 183 900 000	190 000 8 000.00 8 000 000 1.0 % 1 900 000 183 900 000	190 000 8 000.00 1 600 000 1.0 % 380 000 36 780 000	190 000 8 000.00 1 400 000 1.0 % 332 500 32 182 500	190 000 8 000.00 1 200 000 1.0 % 285 000 27 585 000	190 000 8 000.00 1 000 000 1.0 % 237 500 22 987 500	190 000 8 000.00 800 000 1.0 % 190 000 18 390 000	190 000 8 000.00 600 000 1.0 % 142 500 13 792 500	50 190 000 8 000.00 400 000 1.0 % 95 000 9 195 000	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500	190 000 8 000.00 200 000 1.0 % 47 500 4 597 500	25 190.000 8.000.00 200.000 1.0 % 47.500 4.597.500	Com	ment	
15 0 0 0 00 00 00 00 00 00 00 00 00 00 00	3 4 5 6 7 8 9	Sales price Incoming freight per unit Incoming Freight Commission % Commission Sales Income Cogs %	B * * B * B B	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	000000000000000000000000000000000000000	190 000 8 000.00 8 000 000 1.0 % 1 900 000 183 900 000 67.0 %	190 000 8 000.00 8 000 000 1.0 % 1 900 000 183 900 000 67.0 %	190 000 8 000.00 1 600 000 1.0 % 380 000 36 780 000 67.0 %	190 000 8 000.00 1 400 000 1.0 % 332 500 32 182 500 67.0 %	190 000 8 000.00 1 200 000 1.0 % 285 000 27 585 000 67.0 %	190 000 8 000.00 1 000 000 1.0 % 237 500 22 987 500 67.0 %	190 000 8 000.00 800 000 1.0 % 190 000 18 390 000 67.0 %	190 000 8 000.00 600 000 1.0 % 142 500 13 792 500 67.0 %	50 190 000 8 000.00 400 000 1.0 % 95 000 9 195 000 67.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 %	190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 %	Com	ment	
1% 6 0 0 070 % 670 %	3 4 5 6 7 8 9 10	Sales price Incoming freight per unit Incoming Freight Commission % Commission Sales income Cogs % Cogs		000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	190 000 8 000.00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000	190 000 8 000.00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000	190 000 8 000.00 1 600 000 1.0 % 380 000 67.0 % 24 642 600	190 000 8 000.00 1 400 000 1.0 % 332 500 32 182 500 67.0 % 21 562 275	190 000 8 000.00 1 200 000 1.0 % 285 000 27 585 000 67.0 % 18 481 950	190 000 8 000.00 1 000 000 237 500 22 987 500 67.0 % 15 401 625	190 000 8 000.00 800 000 1.0 % 190 000 18 390 000 67.0 % 12 321 300	190 000 8 000.00 600 000 1.0 % 142 500 13 792 500 67.0 % 9 240 975	50 190 000 8 000.00 400 000 1.0 % 95 000 9 195 000 67.0 % 6 160 650	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325	190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325	. con	ment	
ins 0	3 4 5 6 7 8 9 10 11	Sales price Incoming freight per unit Incoming Freight Commission % Commission Sales Income Cogs % Cogs % Cogs Outgoing Freight		0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	190 000 8 000.00 1.0 % 1 900 000 183 900 000 67.0 % 123 213 000 0	190 000 8 000.00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000 0	190 000 8 000.00 1 600 000 1.0 % 380 000 67.0 % 24 642 600 0	190 000 8 000.00 1 400 000 1.0 % 332 500 67.0 % 21 562 275 0	190 000 8 000.00 1 200 000 1.0 % 285 000 27 585 000 67.0 % 18 481 950 0	190 000 8 000.00 1 000 000 1.0 % 237 500 22 987 500 67.0 % 15 401 625 0	190 000 8 000.00 800 000 1.0 % 190 000 18 390 000 67.0 % 12 321 300 0	190 000 8 000.00 600 000 1.0 % 142 500 13 792 500 67.0 % 9 240 975 0	50 190 000 8 000.00 400 000 1.0 % 95 000 9 195 000 67.0 % 6 160 650 0	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	25 190 000 8 00000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	. con	ment	
15 0	3 4 5 6 7 8 9 10 11	Sales price Incoming freight per unit Incoming Freight Commission % Commission Sales Income Cogs % Cogs % Cogs Outgoing Freight		0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	190 000 8 000.00 1.0 % 1 900 000 183 900 000 67.0 % 123 213 000 0	190 000 8 000.00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000 0	190 000 8 000.00 1 600 000 1.0 % 380 000 67.0 % 24 642 600 0	190 000 8 000.00 1 400 000 1.0 % 332 500 67.0 % 21 562 275 0	190 000 8 000.00 1 200 000 1.0 % 285 000 27 585 000 67.0 % 18 481 950 0	190 000 8 000.00 1 000 000 1.0 % 237 500 22 987 500 67.0 % 15 401 625 0	190 000 8 000.00 800 000 1.0 % 190 000 18 390 000 67.0 % 12 321 300 0	190 000 8 000.00 600 000 1.0 % 142 500 13 792 500 67.0 % 9 240 975 0	50 190 000 8 000.00 400 000 1.0 % 95 000 9 195 000 67.0 % 6 160 650 0	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	25 190 000 8 00000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0	. con	ment	
15. 6. 0 0 0 07.0%	3 4 5 6 7 8 9 10 11 12	Sales price Incoming freight per unit Incoming Freight Commission % Commission Sales Income Cogs % Cogs Cogs Outgoing Freight Discount %		0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	190 000 8 000 000 1.0 % 1 900 000 183 900 000 67.0 % 123 213 000 0 2.0 %	190 000 8 000.00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000 0 2.0 %	190 000 8 000.00 1 600 000 380 000 36 780 000 67.0 % 24 642 600 0 2.0 %	190 000 8 000.00 1 400 000 1.0 % 332 500 32 182 500 67.0 % 21 562 275 0 2.0 %	190 000 8 000.00 1 200 000 1.0 % 285 000 67.0 % 18 481 950 0 2.0 %	190 000 8 000.00 1 000 000 237 500 22 987 500 67.0 % 15 401 625 0 2.0 %	190 000 8 000.00 800 000 1.0 % 190 000 67.0 % 12 321 300 0 2.0 %	190 000 8 000.00 600 000 1.0 % 142 500 67.0 % 9 240 975 0 2.0 %	50 190 000 8 000,00 400 000 1.0 % 9 195 000 67.0 % 6 160 650 0 2.0 %	25 190 000 8 00000 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 080 325 0 2.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 %	190 000 8 000.00 200 000 1.0 % 47 500 4 597 500 67.0 % 3 060 325 0 2.0 %	25 190 000 8 000.00 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 %	. con	ment	
15 0 0 0 27.5	3 4 5 6 7 8 9 10 11 12	Sales price Incoming freight per unit Incoming Freight Commission % Commission Sales Income Cogs % Cogs Cogs Outgoing Freight Discount %		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	190 000 8 000 00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000 0 2.0 % -3 800 000	190 000 8 000.00 8 000 000 1.0 % 1 900 000 67.0 % 123 213 000 0 2.0 % -3 800 000	190 000 8 000.00 1 600 000 380 000 36 780 000 67.0 % 24 642 600 0 2.0 % -760 000	190 000 8 000.00 1 400 000 1.0 % 332 500 67.0 % 21 562 275 0 2.0 % -665 000	190 000 8 000.00 1 200 000 285 000 27 585 000 67.0 % 18 481 950 0 2.0 % -570 000	190 000 8 000.00 1 000 000 237 500 22 987 500 67.0 % 15 401 625 0 2.0 % -475 000	190 000 8 000.00 800 000 1.0 % 190 000 67.0 % 12 321 300 0 2.0 % -380 000	190 000 8 000.00 600 000 1.0 % 142 500 67.0 % 9 240 975 0 2.0 % -285 000	50 190 000 8 000.00 400 000 1.0 % 9 5 000 9 195 000 67.0 % 6 160 630 0 2.0 % -190 000	25 190 000 8 000.00 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 % -95 000	25 190 000 8 000.00 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 % -95 000	25 190 000 8 000.00 200 000 1.0 % 47 500 67.0 % 3 080 325 0 2.0 % -95 000	190 000 8 000.00 200 000 4.0 % 47 500 67.0 % 3 080 325 0 2.0 % -95 000	25 190.000 8.000.00 2.00.000 1.0.% 47.500 67.0.% 3.080.325 0 2.0.% -95.000		ment	

Measures will render as rows of the model, for example:

For details on how to set up a model, refer to Define models.



Measures to which a **distribution function** is associated is identified by the *i* icon.

Note that it is possible to click the icon to view the distribution and any default distribution if it exists.

iles qty (Pro	ofitways DiVis	ion Core - No	orway)										
efault value													
Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21		
6.7 %	6.7 %	8.3 %	10.0 %	10.0 %	8.3 %	8.3 %	8.3 %	8.3 %	8.3 %	8.3 %	8.3 %		
Jan 21	e Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	Source	
6.7%	6.7%	8.3%	10.0%	10.0%	8.3%	8.3%	8.3%	8.3%	8.3%	8.3%	8.3%	Default	

A year-total input is automatically spread to the plan months of that particular year. The total is spread according to the monthly distribution function tied to the product and market as follows:

- If a specific monthly input has been made by the user, the distribution inherent in the monthly values is used as a distribution key.
- If not, then if a central distribution key is tied to the account, this distribution will be used
- \circ If none of the above applies, the total is spread evenly over the plan months

Please refer to **Distribution keys** for details on distribution keys.

Measures that are **lookup to assumptions** are identified by the 🖻 icon.

Note that it is possible to click the icon to view the assumption values and to override the assumption values and reset to the default if overridden if the model allows.

les price (Prof														
	intways biv	ision Core - I	Norway)											
ault value														
2021	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21		
190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000		
ective value														
2021	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	Source	
190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	Default	

An overridden assumption is marked by a blue left border indication:

Please refer to <u>Assumptions</u> for details on assumptions.

Measures that are **calculations** are identified by the ^{*i*/₂} icon.

Note that it is possible to click the icon to reveal the formula and a formula description if set:



Formula	×
Sales income (Profitways DiVision Core - Norway)	
This calculation is performed automatically,	
([Sales qty] * [Sales price]) + [Commission] - [Incoming Frei	abtl
(formers 40). Tomes haven a formational - functional re-	1 mg
	Close

A formula that is not executed automatically but requires the click on the "Recalculate" button is marked with a red left border indication: \int_{∞}^{∞}

Please refer to <u>Define calculations</u> for details on calculations.

Dimensionality

The basic dimensionality of the driver based module is department, product, and market. Extra dimensionality may be added:

- Supplier
- Project
- Activity
- Counterpart
- Dimensions Dim1 to Dim4

For details on defining dimensionality, refer to Define dimensionality.

Historical references

The models are preset with the last 12 months of actuals.

In addition to the above, up to 5 historic reference columns may be added as needed.

For details on defining historical reference columns, refer to Define historical reference columns.

Planning horizon

The planning time horizon is controlled in the Finance Settings workbook:



Finance Settings				
Payroll Sales Expense	Purchase	Fixed Assets	OBDue <u>Se</u>	up Accounts Usage Year End
Save Refresh				
 Time: Start and range 		Time: St	art and range	
			Start Date	Time: Start and length
Eiscal Calondar Offsat				
Fiscal Calendar Offset		1	01/01/2021	This- and next 6 years
Fiscal Calendar Offset Source: Map Account to Engine		1	01/01/2021	This- and next 6 years Vext 12 months
Source: Map Account to Engine		1	01/01/2021	Next 12 months This- and next year (default)
Source: Map Account to Engine System: Fallback Accounts		1	01/01/2021	Next 12 months This- and next year (default) This- and next 2 years
Source: Map Account to Engine		1	01/01/2021	Next 12 months This- and next year (default)
Source: Map Account to Engine System: Fallback Accounts		1	01/01/2021	Next 12 months This- and next year (default) This- and next 2 years This- and next 3 years

This time horizon applies to all input modules.

Long-term planning (beyond this year and next year) allows for a year-total input only. When saving the plan, the long-term year-totals are automatically distributed to months using the distribution that is relevant to the next year's plan for the corresponding dimensionality.

Note that there is also a period filter setting that you may want to consider if you change the plan horizon. The period filter setting control which period filter will be available and which one will be the default, please refer to <u>Period filters</u>.

Plan roll forward actions

Source data

The input module will be updated with source data when rolling forward.

Any new combinations that exist in the driver source fact data will automatically be processed into the input module and their last 12 months actuals updated.

Please refer to Data management for details.

Long term plan

If long-term planning is done, the year-total for next-year+1 will be distributed to monthly values using next-year's distribution when rolling over to a new year.

4 Model configuration

Driver based models are configured in the "Driver based modelling" workbook and the "Models" page.



	rianner	DEVELOPM	ENT 5.4.1																		profilbo
Measure																					C
re Refresh	New	Open	Edit	Ap	ply	Process	Dele	te	Check calc.	 Published 											
		tSalesWorkbooki - Pro	dual calar																		
	(rotecasi	Galesworkbook) - Pro	ouct sales																		
t sales	Input	model Assumpt	ions Outp	ut Adva	inced - eng	ine interface															
ting	Measur	e																			
		Measure	Descri	ption	Driver	Input	Assumption	Calc.	Set Calc. on	der Total across peri	ods Rollu	p Forma	t	Style	Sorting	Set plan prop	losal		Comme	nt	Excl
	1	SalesQty	Sales gty						0	Sum	✓ Sum	V Number, no de	cimais 🗸		× 10						
	2	SalesUnitPrice	Sales price						0	Average	✓ Average	V Number, no de	cimais ¥		¥ 20						
	3	FreightinPerUnit	Incoming frei	ght per unit					0	Average	✓ Average	✓ Number, 2 dec	mais 👻		× 30						
	-4	Freightin	Incoming Fre	ight		0		2	0	Sum	✓ Sum	Y Number, no de	cimais 🛩		v 31						
	5	CommissionPct	Commission	%		2	•		0	Average	✓ Average	✓ Percentage, 1 c	ecimal 🛩		× 33						
	6	Commission	Commission					•	0	Sum	✓ Sum	Y Number, no de	cimais 🛩		v 34						
	7	Sales	Sales Income					2	0	Sum	✓ Sum	Y Number, no de	cimais 🛩 Bolo	Overline	× 31						
	8	CostOfGoodsSoldPct	t Cogs %			•			0	Average	✓ Average	✓ Percentage, 1 c	ecimal 🛩		× 40						
	9	CostOfGoodsSold	Cogs					2	0	Sum	✓ Sum	✓ Number, no de	cimais 🛩 Bolo	Overline	¥ 50						
	10	FreightOut	Outgoing Fre	ight		2			0	Sum	✓ Sum	Y Number, no de	cimais 🛩		× 60						
	11	SalesDiscountPct	Discount %				2		0	Average	✓ Average	✓ Percentage, 1 c	ecimal 🛩		¥ 65						
	12	SalesDiscount	Discount					2	0	Sum	✓ Sum	Y Number, no de	cimais 🛩		× 61						
	13	GrossMargin	Gross margin						0	Sum	Ƴ Sum	 Number, no de 	cimais 🌱 Boio	5OverUnderline	 ✓ 70 						
	Dimens	innt									Hist or	f. columns									
		DimensionColumn	n Visible	Mandator	y Visi	ible as filter	Filter sele	ction mane	latory			Column Name	Dataset	ID From	Date To	Date D	escription De	scription EN	Description NO	Visible	
	1	ActivityID		0				0			1	Historic1	✓ Actual	✓ 01/01/2	122 12/28	/2022 Actu	uel LY Actue	ILY F	ak, i tjor		
	2	CPLegalEntity/D																			
	3	Dim1																			
	- 4	Dim2																			
	5	Dim3																			
	6	Dim4																			
	7		2			2															
	8	ProductiO		0							_									_	
	Column	selection									Deviati	on columns									
		Column Name	Description	Visible				Comme	nts			Column Name	Descript	tion Form	ula Visit	ole drivers	Format drivers	Visible det	alis Format o	setails	Comment
	1	L12M	Actuals L12M								1	Deviation1	Test1	[TY]*2			Number, 1 decimal	× 0	Number, 1 o	lecimal 🛩	
	2		Act. YTD	0								Deviation2	Test2	[TY]*2			Number, 1 decimal		Number, 1 d		
			Plan YTG	0																	

Multiple input models can be created and published to users. Select a model in the filter-list on the far left to activate buttons and display content.

Input models

Select the "Input model" tab.

≡ Forecast	 Planner 	DEVELOPM	ENT 5.4.1 Drive	r based	model					
Models Measure										
Save Refree Search	(Forecast	SalesWorkbook) - Pro	oduct sales	oply	Process		ie	Check	calc. 🗸	Published
Product sales	Input	model Assump								
		Hinden Balanip	tions Output Adv	anced - eng	ine interface					
Consulting	Measure		tions Output Adv	anced - eng	ine interface					
Consulting	Measuri		Description	Driver	Input	Assumption	Calc.	Set	Calc. order	Total acros
Consulting	Measure	e					Calc.	Set	Calc. order	Total acros
Consulting	Measure 1 2	e Measure	Description	Driver	Input	Assumption			Calc. order	
Consulting	1	e Measure SalesQty	Description Sales qty	Driver	Input	Assumption		0	Calc. order	Sum
Consulting	1 2	e Measure SalesQty SalesUnitPrice	Description Sales qty Sales price	Driver	Input	Assumption		0	Calc. order	Average

Create a new input model

To create a new model, click the "New ..." button.

In the following dialogue, enter a model id and a model default name.

New			×
Create new model			
D (a-z, 0-9)	Name		
Copy from existing model			
	Copy model and settings	Copy data	
		Confirm	Cancel

If relevant, select an existing model to copy from and select whether to copy only the model and settings or the input data as well.



Click "Confirm".

The new model is created and displays in the filter list at the far left.

Process an input model

Processing a model will re-generate any P&L transactions from the model. This should be done if changes have been made to the model, its assumptions or output processing definitions such as account mapping.

Processing is done by clicking the "Process" button.

Note that processing is a potentially time-consuming operation depending on the amount of input data associated with the model.

Delete	an	existing	input	model
Derete	an	CAISCING	mpac	model

An input model can be deleted by clicking the "Delete ..." button.

In the following dialogue, select from the following options:

- "Delete data" deletes any input data associated with the model
- "Delete model and settings" deletes the complete model, its settings, and any associated input data.

C	Delete	×
(Fore	castSalesWorkbook) - Product sales	
Make	selection and click Confirm.	
Check	king the Delete model and settings option will delete the complete model inclu	iding data.
D	Delete model	and settings
	Confirm	Cancel

Note that deleting a model is a potentially time-consuming operation depending on the amount of input data associated with the model and the model will be processed to delete any associated P&L transactions.

Publish an input model

To publish a model, check the "Published" checkbox and click the "Save" button.

Conversely, to set a model offline, uncheck the "Published" checkbox and click the "Save" button.

A model that is not published, will not be editable by users accessing the model from the "Plan Overview" workbook.



=	Product sales _{Dev - 5.0.02}			
Drive	22			
🛠 Department	< Back Save Refresh Periods 0	Period	Messure	The model is not accessible or does not exist!

It is, however, possible to open an unpublished model from the "Open" button:

≡ Forecast • P	■ Forecast • Planner DEVELOPMENT 5.4.1 Driver based modelling								
Models Measure									
Save Refresh	New Open Edit Apply Process Delete Check calc. 🗸 Published								
Search	(ForecastSalesWorkbook) - Product sales								
Product sales	Input model Assumptions Output Advanced - engine interface								

Edit input model properties

Select the model to edit in the filter list at the far left.

The input models are defined in the following screen:

≡ Budget • 202																					profilbas
dels Measure																				,	0
Save Refresh	New	Open	Apply_	Process	Delete. Chec	k calc.															
sech.																					
orfuct sales	(Forecast	(SalesWorkbook) - Prod	uct sales Edit	 Published 																	
prouting		model Assumptio	es Output A	Nanced - engine interface																	
outing	input	model Assumptio	es Corput A	ovances - engine intenace																	
	Measur	*																			
		Measure	Description	Description EN	Description NO	Driver	Input	Assumption	Calc.	Set Ci	éc. order	Total across period	Is Rollap	Format	Style	5	orting	Set plan proposal	Convent	Each from tran	n. Hist. fact source
	1	SalesQty	Sales qty	Sales opy	Antal solgte enheter	•				0		Sum .	v Sum	Number, no decimals ¥		~	10	00			
	2	SalesUnitPrice	Sales price	Sales price	Enhetspris		•	•		ø		Average	· Average '	Number, no decimals ¥		~	20			•	
	3	FreightinPerUnit	Incoming freight per unit	Incoming freight per unit	ling, frakt per enhet		•	•		0		Average *	 Average ' 	🕈 Number, 2 decimals 🛛 🤟		~	30			2	
	- 4	Freightin	Incoming Freight	Incoming Freight	Iring, frakt				•	0		Sum *	V Sum	Number, no decimals ¥		~	31				
	5	CommissionPct	Commission %	Commission %	Kommisjon %		-	2		0		Average *	· Average '	✓ Percentage, 1 decimal ♥		~	32			•	
	6	Commission	Commission	Commission	Kommisjon				•	O		Sum .	v Sum	Number, no decimals ¥		~	34				
	7	Sales	Sales income	Sales income	Salgsinntekt					0		Sum .	v Sum	Number, no decimals ¥	BoldOverline	~	28				
	8	CostD/GoodsSoldPct	Cogs %	Coqs %	Vareforbr. %			•		0		Average	Average '	✓ Percentage, 1 decimal ♥		~	40			•	
	9	CostOfGoodsSold	Com	Cogs	Vareforbnik					0		Sum	v Sum	Number, no decimals V	BoldOverline	~	50				
	10	FreightOut	Outgoing Freight		Utg. frakt					0		Sum	v Sum	Number, no decimals ¥		~	60				
		SalesDiscountPct	Discourt %		Rabatt %					0		Average	· Average	Percentage, 1 decimal V		~	65				
	12	SalesDiscount	Discount	Discount	Rabatt			0		0		Sum	V Sum	V Number, no decimals V		~	65			0	

Column	Description
Measure	The MeasureID. Mandatory. Select from list. For details on adding a new measure, refer to Define
	measures.
Description	The measure's default description. Translations can be added in the <u>Translations</u> tab.
Driver	The measure is the driver (checked). Note that while a single driver per model is most common,
	more than one measure per model can actually be a driver.
Input	The measure is open for input (checked) or not (unchecked). Note that if the measure is also a
	lookup (checked), the measure will not be open for input until the user has chosen to override the
	default lookup assumption value.
Lookup	The measure attains its value from a lookup assumption. For details on maintain assumption
	settings, refer to Assumptions. Note that if the measure is also open for input (checked), the user
	will have the opportunity to override the default lookup assumption value. A lookup measure will
	be read-only if not open for input.
Calc	Read-only indicator that the measure is calculated (checked) or not (unchecked). A measure that is
	a calculation is read-only. Note that calculations are performed in the sequence indicated by the
	Sorting column.
Calc. order	For back-end (sql) calculations, the default order of calculation is the sorting, i.e. that it is assumed
	that no measure with a low sorting rely on a calculation with a higher sorting (further down in the
	model). If this is not the case, the Calc order my be used to override this sequence.
Set	Action link that open a calculation pop-up in which calculation formulae and optional verbal
	calculation explanations are maintained. For details on defining calculations, refer to Define
	calculations.
Total across periods	Defines how year-totals are calculated from the monthly values (Sum Average). Select from list.
	Note that the average is an arithmetic average.
Rollup	Defines how the measure is to be rolled up to aggregate organizational levels (Sum Average).
	Select from list. Note that the average is an arithmetic average.



Format	The number display format. Select from list.				
Style	The style of the measure row. Select from list.				
Sorting	Sort sequence. Controls the display order and also the default calculation sequence.				
Comment Optional comment.					
Excl. from trans. Input models are diverse and often contain measures that are not relevant as tran example pure visual calculations. To avoid irrelevant measures from being process transactions, check the "Excl. from trans." Column for the measures in question.					
Hist. fact source	 Displays the source of the historic facts for the measure. Default is empty meaning it is manually input in the Source data workbook. Alternatively: Driver based external fact (imported from external source) General ledger external fact (based on a selection of ledger data) Actualized driver based plan data (based on plan input for periods that are actualized as the plan rolls forward) 				
	The Hist. fact source for a measure is defined in the Measures tab (see <u>Define measures</u>).				
Ovr. Calc. hist. cols.	Historic reference columns are by default calculated based on periodic values. If for example the periodic values are percentages, this may not be desirable. An override calculation may be provided if this is the case.				

To delete a measure from a model, right-click the measure and select one of the options:

- Delete from data the measure will remain in the model, but any input data associated with it will be deleted.
- Delete from model (incl data) the measure is deleted from the model and so is the input data associated with it.

Unless the changes made are minor (change style or format), the model changes should be applied. This is done by clicking the "Apply ..." button that will reveal a dialogue in which one can opt for updating any historical reference content by checking the "Update L12M actuals":

Apply		×				
(ForecastSalesWorkbook) - Product sales						
Check Update last 12M actuals to update a	actuals data.					
Click Confirm to apply new measures to input data store and update actuals (if checked)						
	Update L12M actua	als				
	Confirm	Cancel				
	Conlin	Cancel				

If the changes made also will reflect on the P&L transactions produced, the model should also be processed. This is done by clicking the "Process ..." button.

Define calculations

Access the calculation pop-up by clicking the "Set" action link for a measure in the input model setup to reveal the following dialogue:

Calculation	×
Calculation	0
(ForecastSalesWorkbook) - Product sales - FreightIn	
	nus), * (multiplication) and / (division) operators between them. F. ex. [Measure1] * [Measure2]
(SalesCity) * [FreightinPerUnit]	
Button-click calculation (SQL)	
Button-click calc. only	Calc. periodic offset (integer +/-) Visible
Calculation description	
Calculation description EN	
Calculation description NO	
	Save

There are two types of calculations:

- Cell-calculations: simple arithmetic calculations (+ - * /) between measures of a model. These calculations are performed automatically, as-you-type, when editing data in the input model.

Note that when defining the cell-calculation formula, the measures are defined by the measure id enclosed in square brackets, for example [SalesQty] * [SalesUnitPrice].

- Button-click calculations: more complex calculations involving for example conditionals. Such calculations are defined as sql statements and will not calculate automatically, asyou-type, when editing data in the input model. These calculations will require the click of a button to execute, specifically the "Recalculate" button.
 - For button-click calculations it is possible to set a periodic offset on the calculation, for example if measure a for a period should be calculated based on measures b and c for an offset period (+ or -). This offset can extend to the last 12 month actual periods.

Note that the entire calculation will be performed based on values on the relevant offset period. So for example if the offset was -1, the calculated value for measure a for period 2 will be based on measures b and c for period (2-1) = 1.

Button-click calc. only

Calc. periodic offset (integer +/-) Visible

A measure defined to be a button-click calculation can also be hidden by unticking the Visible check-box.

In the calculation dialogue, one can also enter more elaborate descriptions using the "Calculation description" fields.



Note that the calculations that are button-click, are indicated with a red left border and that the calculation formula (cell-calculation only) and calculation description will be displayed when clicking the calculation symbol.

Sa	ve Refresh	F	Periods			R	ecalculate						
fitwa	ys DiVision Core - Norway									1			
	Measure		FctActL12M	Act.YTD 2020	For.YTG 2020	2020	Jan 20	Formula	×	1 20	Nov 20	Dec 20	Comment
1								Commission (Profitways DiVision Core - Norway)					
2	Sales qty	iii.	652	562	578	1 140	120	This calculation is performed automatically,		186	103	124	
3	Sales price	٤,	0	0	185 000	185 000	(000 08	190 000	190 000	
4	Incoming freight per unit	Ð,	0	0	0	0	(0	0	0	
5	Incoming Freight	fx	0	0	0	0	(([Sales qty] * [Sales price]) * [Commission %]		0	0	0	
6	Commission %	Ð,	0	0	1.0 %	1.0 %	(1.0 %	1.0 %	1.0 %	
7	Commission	fx	0	0	1 063 107	1 063 107	(84 414	196 107	235 329	
8	Sales income	fx	0	0	107 373 821	107 373 821	(5 843	19 806 821	23 768 186	
9	Cogs %	0	0	0	67.0 %	67.0 %	(57.0 %	67.0 %	67.0 %	
10	Cogs	fx	0	0	71 940 460	71 940 460	(9 815	13 270 570	15 924 684	
11	Outgoing Freight	iii.	0	0	0	0	(0	0	0	
12	Discount %	E),	0	0	2.0 %	2.0 %	(Close	2.0 %	2.0 %	2.0 %	
13	Discount	fk	0	0	-2 126 214	-2 126 214	(J8 829	-392 214	-470 657	
14	Gross margin	fx	0	0	33 307 147	33 307 147	(0 0 0 0 0 0	0 9313066 10	477 200	6 144 037	7 372 844	

Make sure to validate that the calculations used actually work before publishing the model. This can be done using the "Check calc." button:

E Driver based modelling Dev - 5.002 Dev - 5.002 Dev State Dev Dev State Dev Dev State Dev Dev												
Models Measure	Models Measure Measure fact data Dimension data											
Save	Refresh New	Open	Apply	Process	Delete	Check calc.						

Any errors will be reported and must be corrected. The following shows a no-errors situation:

Validation results		×
Validation results: No errors found Measure	Error Message	

Define dimensionality

The dimensionality of a model is defined in the following table:



\equiv Forecast •	Planner	DEVELOPME	NT 5.4.1	Drive	r basec	l modell	ing				
odels Measure											
Course Default		0	5-13								
Save	New	Open	Edit	Ap	oply	Process	Delet	te	Check	calc.	Published
Search	(Forecast	SalesWorkbook) - Prod	uct sales								
search											
Product sales	Input	model Assumptio	ns Outpu	ut Adv	anced - eng	gine interface					
Consulting	Measur	e									
		Measure	Descrip	otion	Driver	Input	Assumption	Calc.	Set	Calc. order	Total acro
	1	SalesQty	Sales qty					0	o		Sum
	2	SalesUnitPrice	Sales price						0		Average
	3	FreightInPerUnit	Incoming freig	ght per unit					0		Average
	4	FreightIn	Incoming Frei	ght					0		Sum
	5	CommissionPct	Commission 9	16		Z			C		Average
	6	Commission	Commission						0		Sum
	7	Sales	Sales income					~	O		Sum
	8	CostOfGoodsSoldPct	Cogs %			~			0		Average
	9	CostOfGoodsSold	Cogs					2	0		Sum
	10	FreightOut	Outgoing Frei	ight					•		Sum
	11	SalesDiscountPct	Discount %						C		Average
	12	SalesDiscount	Discount					Z	0		Sum
	13	GrossMargin	Gross margin						ø		Sum
	Dimens	ions .									
		DimensionColumn	Visible	Mandator	y Vis	sible as filter	Filter sele	ction man	datory		
	1	ActivityID		0				0			
	2	CPLegalEntityID									
	3	Dim1									
	4	Dim2									
	5	Dim3									
	6	Dim4				0					
	7	MarketID				Z					
	8	ProductID									

The Department dimension is always mandatory whereas the Product and Market dimensions are default and normally mandatory in any model. Product and/or Market can, however, be omitted.

Column	Description
DimensionColumn	The dimension column id. Preset.
Visible	Indicates whether dimension is visible (checked) or not (unchecked) in the input sheet of the model.
Mandatory	Indicates whether user must select a value from the dimension drop down when adding a row (checked) or not (unchecked) to the input sheet of the model.
Visible as filter	Some of the dimensions are available for selection as input filters (slicers). Indicates whether dimension is also an input filter (checked) or not (unchecked).
Filter selection mandatory	Indicates whether it is mandatory to set a value for the filter (checked) or not (unchecked)
Comment	Optional comment

The dimensions are shared between models. If a dimension drop-down list of a certain model should not display a certain member, it can be excluded for that model by clicking the action link in the "DimensionColumn" column to reveal the following dialogue:

Dii	mension item exclusion	×
(Sales2) - Consulting - ProductID	
	Dimension item to exclude	
1	Profitways DiVision Core	•
2	Profitways EDM ^a	•
3	Profitways OutBack	•
	Save	Close



Add dimension members to excluded and click the "Save" button.

For details on dimension management, please refer to Data management.

<u>Note on CPLegalEntityID (counterpary)</u>: this dimension is available in all modules, but it is only the Sales (IC) and Loans (IC) financial engines that creates counter transactions. Providing counterparty information to transactions that are not handled by the mentioned financial engines will NOT have it's counter transactions automatically posted. Hence, when enabling this dimension, make sure that is understood by the client. Accounts piped through the Sales (IC) engine are set up in the Finance Settings workbook and the Account to engine mapping configuration.

Define historical reference columns

The last 12 months of actuals will be included for measures where historical data exists.

There is a preset number of historical reference columns to choose from. The historic reference columns of a model is defined in the following table:

■ Forecast • F	lanner	DEVELOPME	NT 5.4.1															profilbas
iels Measure																		0
Save Refresh	New	Open	Edit	Ap	ply	Process	Delet	te	Check calc.	 Published 								
	(Forecas)	SalesWorkbook) - Produ	ect sales															
ch																		
duct sales	Input	model Assumptio	ns Outpu	n Advi	anced - eng	ine interface												
sulting	Measur	*																
		Measure	Descrip	otion	Driver	Input	Assumption	Calc.	Set Calc. ord	er Total across perio	ts Rollup	Format	Style	Sor	ing Set		Comment	Excl. fr
		SalesQty						_	-			Y Number, no decimais Y		~	plan proposal			
			Sales qty		2		0		0						10 •••			
	2		Sales price						0			 Number, no decimais 		×	20			
	3		Incoming freig			2						 Number, 2 decimals 		~	30			
		Freightin	Incoming Frei		0	0	0		0			 Number, no decimais 		~	31			
	5	CommissionPct Commission	Commission 1 Commission	•					0			 Percentage, 1 decimal Number, no decimais 		~	32			
	7		Sales income			0		_	0			 Number, no decimais Number, no decimais 		~	38			
	8		Cogs %			0	0		P			 Percentage, 1 decimal Y 		~	40			
		CostOfGoodsSoldPct	Cogs					0	0			 V Percentage, 1 decimal V Number, no decimals V 		v v	50			
		FreightOut				0		2	0			 Number, no decimais Number, no decimais 		~	60			
		SalesDiscountPct	Outgoing Frei Discount %	gre					0			 Number, no decimas Percentage, 1 decimal 		~	65			
		SalesDiscount	Discount				0		P			 Number, no decimals Y 		~	66			
		GrossMargin	Gross margin						P			 Number, no decimais + Number, no decimais + 			70			
		Grossing gri	oross margin		0	0		-		2011		- Halloo, no occines -	0000101010011		10			
	Dimens										Hist, ret							
		DimensionColumn	Visible	Mandator	y Visi	ble as filter	Filter sele		Satory	_					To Date Description		Comment	
	1					2					1	Historic1 Y Actus	al 🗸 01/01	2022 12	/28/2022 Actual LY	2		
	2	CPLegalEntityID																

Column	Description
Column Name	The internal historical reference column id, Historic1, Historic2, Historic3, Historic4 and
	Historic5. Select from the drop-down list.
DatasetID	The dataset origin for the historical reference data. Select from the drop-down list.
From Date	The start date for the historical reference data
To Date	The end date for the historical reference data
Description	The column default name. Translations can be added in the <u>Translations</u> tab.
Visible	Indicates that the column is visible in the input sheet for the model or not (checked
	unchecked)

For maintaining source fact data, please refer to Data management.

Define deviation columns

There is a preset number of deviation (calculated) columns to choose from. The deviation columns of a model is defined in the following table:



Forecast • Planner DEVELOPMENT 5.4.1 | Driver based mo

profilb	as	e

	(Forecas	tSalesWorkbook) - Pro	luct sales																	
5	Input	t model Assumpti	ons Outpu	t Adva	nced - engin	e interface														
	Measur																			
		Measure	Descrip	tion	Driver	Input	Assumption	Calc.	Set Calc. order	Total across period	s Rollup	Format	Style	Sortin		Set proposal		Comment		Excl.
	1	SalesQty	Sales qty					0	0	Sum	Sum	 Number, no decimais 	~	× 1		60				
	2	SalesUnitPrice	Sales price			2			0	Average	 Average 	 Number, no decimais 	~	v 2)					
	3	FreightinPerUnit	Incoming freig	ht per unit					0	Average	Average	V Number, 2 decimais	~	¥ 3	0					
	4	Freightin	Incoming Frei	pht				2	0	Sum 🔹	Sum	 Number, no decimais 	~	¥ 3						
	5	CommissionPct	Commission 1	6		2			0	Average *	Average	 Percentage, 1 decimal 	~	× 3						
	6	Commission	Commission					2	0	Sum	r Sum	 Number, no decimais 	×	× 3						
	7	Sales	Sales income					2	0	Sum	r Sum	 Number, no decimais 	✓ BoldOverline	× 3	5					
	8	CostOfGoodsSoldPct	Cogs %			2	2		0	Average	 Average 	 Percentage, 1 decimal 	~	× 4	5					
	9	CostOfGoodsSold	Cogs					2	0	Sum	r Sum	 Number, no decimais 	✓ BoldOverline	¥ 5)					
	10	FreightOut	Outgoing Freight			2			0	Sum *	r Sum	 Number, no decimais 	~	× 6		69				
	- 11	SalesDiscountPct	Discount %						0	Average	r Average	 Percentage, 1 decimal 	*	× 6						
	12	SalesDiscount	Discount					2	0	Sum	r Sum	 Number, no decimais 	~	× 6						
	13	GrossMargin	Gross margin						0	Sum	Sum	 Number, no decimais 	BoldOverUnderlin	· 7						
	Dimens	sions									Hist. ref.	columns								
		DimensionColumn	Visible	Mandatory	Visib	le as filter	Filter sele	ction mand	atory	1		Column Name	Dataset ID From	Date To	Date	Description	Visible		Comment	
	1	Activity/D	8	0		2		0			1	Historic1 Y Ad	ual 🗸 01/01/	12/2	/2022	Actual UY				
		CPLegalEntity/D																		
	2	CPLegalEntityID Dim1	0					•												
	2																			
	2 3 4	Dim1																		
	2 3 4 5	Dim1 Dim2																		
	2 3 4 5 6	Dim1 Dim2 Dim3																		
	2 3 4 5 6 7 8	Dim1 Dim2 Dim3 Dim4 MarketID ProductID																		
	2 3 4 5 6 7 8	Dim1 Dim2 Dim3 Dim4 MarketD Product1D																		
	2 3 4 5 6 7 8	Dim1 Dim2 Dim3 Dim4 MarketID ProductID							1		Deviation	n columns	Description Fo	mula Viti	Via deluare	s Format de	uare Vicibia datali	Format details	Connect	
	2 3 4 5 6 7 8 Column	Dim1 Dim2 Dim3 Dim4 MarketID ProductID restection Column Name							ts						ole driver	s Format dir Number, 1 de		i Format details Number: 1 decimal ¥	Comment	

Column	Description
Column Name	The internal deviation column id, Deviation1, Deviation2.
Formula	See * below
ColumnName_Description	The column's default name. Translations can be added in the <u>Translations</u> tab.
Visible drivers	Indicates that the column is visible in the driver page or not (checked unchecked)
Format drivers	The number format that the calculated deviation will display in the driver page, select from drop down list.
Visible details	Indicates that the column is visible in the driver details (pop up) page or not (checked unchecked)
Format details	The number format that the calculated deviation will display in the details (pop up), select from drop down list.

*

There are several internal columnids that can be referenced in the formulae:

- **Historic1** to **Historic5** historic reference columns, requires that historic reference columns are configured.
- **YTD** Year to date (Actuals)
- **ROY** Rest of year plan (rest of first plan year, that is from plan start to the end of first plan year)
- **TY** This year (first full plan year, comprised of YTD actuals and ROY plan)
- **NY** Next year plan (second full plan year)
- L12M Last 12 months (Actuals)
- N12M Next 12 months plan (first 12 months of plan)
- **NYPlus1** Third full plan year, requires that long term planning is used.
- **NYPlus2** Fourth full plan year, requires that long term planning is used.
- **NYPlus3** Fifth full plan year, requires that long term planning is used.
- **NYPlus4** Sixth full plan year, requires that long term planning is used.
- **NYPlus5** Seventh full plan year, requires that long term planning is used.

Please note that the internal columnids should be enclosed in [] and that + (plus), - (minus), * (multiplication) and / (division) mathematical operators can be used, for example:

- [NY] – [TY]

If, for example the deviation column is to show This year's budget – Last year's budget, and the two are stored in columns Historic1 and Historic2 respectively, the formula would be:

- [Historic1] – [Historic2]



Select / unselect optional columns

A set of columns are optional related to actuals last 12 months, year to date and plan rest of year. The columns can be named (default name, see <u>Translations</u> for translations) and selected / unselected individually per model:

Forecast • F	Planner	DEVELOPM	ENT 5.4.	1 Driver																pro	filba
Measure																					Ċ
re Refresh	New	Open	Edit.	Ap	pły	Process	Dele	te	Check calc.	Published											
	(Forecast	SalesWorkbook) - Pro	elect sales																		
tsales	Input	model Assumpt	ions Out	put Advi	enced - eng	pine interface															
ting	Means																				
		Measure	Desc	ription	Driver	Input	Assumption	Calc.	Set Calc. order	Total across perior	is Rollup	p Format		Style	Sorting	Set proposal			Comment		Exd.
		SalesQty	Sales qty			2			0	Sum	• Sum	Y Number, no decir	nais 🛩	~	10	00					
		SalesUnitPrice	Sales price			2			0			Y Number, no decir		~	20						
		FreightinPerUnit	Incoming fr	eight per unit		2			0			 Number, 2 decima 		~	30						
	- 4	Freightin	Incoming Pr	eight				2	0			 Number, no decir 		~	31						
		CommissionPct	Commission			2			0			 Percentage, 1 dec 		~	32						
		Commission	Commission					2	0	Sum	• Sum	 Number, no decir 	nais 🛩	~	34						
		Sales	Sales incom	e				2	0			 Number, no decir 			38						
	8		Cogs %			2			0			 Percentage, 1 dec 		~	40						
		CostOfGoodsSold	Cogs					2	0			 Number, no decir 			50						
		FreightOut	Outgoing Fi			2			0			 Number, no decir 		~	60	00					
		SalesDiscountPct	Discount %						0			✓ Percentage, 1 dec		~	65						
		SalesDiscount	Discount					2	0			 Number, no decir 		~	66						
	13	GrossMargin	Gross marg	n					0	Sum	 Sum 	 Number, no decir 	nais 🛩 BeidOv	erUnderline 🛩	70						
	Dimensi	ions									Hist, ref	. columns									
		DimensionColumn	n Visible	Mandator	y Vis	ible as filter	Filter sele	ction man	datory	1		Column Name	Dataset ID	From Date	To Date	Description	Visible			Comment	
	1	ActivityID	2	0				0			1	Historic1 M	Actual	✓ 01/01/2022	12/28/2022	Actual LY					
	2	CPLegalEntityID																			
	3	Dim1	0			0															
	4	Dim2																			
	5	Dim3	0																		
	6	Dim4	0																		
	7	MarketID	•					0													
		ProductID	2			2															
		selection									Desisti	an columns									
	Louis	Column Name	Description	Visible				Comme	ents		-eviator	Column Name	Description	Formula	Visible driv	rs Format d	drivers	Visible details	Format details	Comment	
	1	L12M	Actuals L12M								1	Deviation1	Test1	[TY]*2		Number, 1 c	decimal ¥		Number, 1 decimal V		
			Act. YTD	0								Deviation2	Test2	[TY]*2		Number, 1 c			Number, 1 decimal Y		
			Plan YTG									0000000			. 0			0			

Translations

Translations are added in the Translations tab of the Input Settings and Administration workbook.

	Forecast	•	Planner DEV	ELO	ΡN	1ENT 5.4.1 Inpu	ut Settings and	Adminins	tration	
oun	t settings Personr	nel :	settings Payroll Setti	nas	Drive	r based settings Setup T	ranslations			
			Input module					Language		
Sa	ve Refre	sh	Product sales				× ~	English		$\times \sim$
	ModuleExtension	ID	ItemID	Lang	JD	LangText				
1	Product sales	~ (Commission	Englist	1 ~	Commission				
2	Product sales	~ (CommissionPct	Englist	- v	Commission %				
3	Product sales	~ (CostOfGoodsSold	English		Cogs				
4	Product sales	~ (CostOfGoodsSoldPct	English	i v	Cogs %				
5	Product sales	~ (Deviation1	Englis		Test1				
6	Product sales	~ (Deviation2	Englis		Test2				
7	Product sales	~ 1	ForecastSalesWorkbook	Englis	`	Product sales				
8	Product sales	~ 1	FreightIn	Englis	• •	Incoming Freight				
9	Product sales	~ 1	FreightInPerUnit	Englis	• •	Incoming freight per unit				
10	Product sales	~ 1	FreightOut	Englis	ı v	Outgoing Freight				
11	Product sales	~ (GrossMargin	Englis	• •	Gross margin				
12	Product sales	~ I	L12M	English		Actuals L12M				
13	Product sales	~	ROY	Englis		Plan YTG				
4	Product sales	~	Sales	Englist	ı v	Sales income				
15	Product sales	~	SalesDiscount	Englis	1 V	Discount				
16	Product sales	~ !	SalesDiscountPct	Englis	n v	Discount %				
7	Product sales	~ !	SalesQty	Englis	۰ v	Sales qty				
8	Product sales	~ !	SalesUnitPrice	English		Sales price				
19	Product sales	~ 1	YTD	Englisi	ı v	Act. YTD				

Select the model as the Input module and the language of choice.

Edit the Lang Text column of an item or add an item. The available ItemID are typically the various column and measure ids such as Deviation1, etc.



Define measures

A set of measures is included when Planner is deployed. New measures may be added as needed.

Measures are defined in the "Measure" page:

≡	Budget • 2022	Driver based mode	elling												profilba
Models	Measure														0
Sar	Refresh														
	Measure (a-z, 0-3)	Description	Description EN	Description NO	in use	Is assumption	Has currency	Total across periods	Rollap	Format	Can have plan proposal	Hist. fact source	Map acc		Convenent
	lol .	(kal	Dol	kal .	= =	= -	= -	Ref.	(kal	Iol	= -	Iol	Ref.	lol .	
1	AccountsPayable	AccountsPayable	AccountsPayable	AccountsPayable				Sum	✓ Sum	 Number, no decimals 	v 🖸		v		
2	AccountsReceivable	AccountsReceivable	AccountsReceivable	AccountsReceivable		0		Sum	✓ Sum	✓ Number, no decimals	v 🛛		~		
3	AssetNewAgioDisagio	AssetNewAgioDisagio	AssetNewAgioDisagio	AssetNewAgioDisagio				Sum	¥ Sum	Y Number, no decimals	v 🛛		~		
-4	AssilableHours	AvailableHours	AvailableHours	AvailableHours	2			Sum	✓ Sum	✓ Number, no decimals	v 🖸		~		
5	RadDate	RedDate	BadDate	RedDate				Sum	Y Sum	Y Number no decimals	×		~		

Column	Description
Measure	Measure id. Mandatory.
	- Attempts to use special characters when adding a new measure (non a-z, 0-9) will result in
	an error message.
	 Attempts to delete a measure that is in use in models and/or assumptions and settings will
	result in an error message
Description	Default measure name. Optional. The name will typically be set when adding the measure to a model.
In use	Mandatory, default checked. Indicates whether measure is in use (checked) or not (unchecked). A
	measure that is not in use, will not be available for selection when adding measures to a model.
Is assumption	Mandatory, default unchecked. Indicates whether measure is an assumption (checked) or not
	(unchecked). A measure that is not an assumption, will not be available for selection when defining
	assumptions.
Has currency	Mandatory, default unchecked.
Total across periods	Mandatory, default Sum. Select from list. The value is used for calculating rest of year and next year
	totals correctly for lookup values (assumptions).
Format	Mandatory, default "Number, no decimals". Select from list. The value is used for displaying lookup
	values (assumptions) in the correct format when defining assumptions.
Can have plan	Plan proposals can be made for any measure of type input in each model that also has a check in this
proposal	column. Default is checked (true).
Hist. fact source	Defines where a measure's historical values are sourced from. The following options exist:
	- (none): any historical values are input manually in the Source Data workbook. This is the default
	setting.
	- Driver based external fact: any historical values are fetched from the driver external fact table (EPM
	datamart). This source is normally the target for import from external sources using the Data import &
	export workbook.
	- General ledger external fact: any historical values are sourced from the finance general ledger table.
	A link to a pop-up to map accounts to this measure in the "Map acc." column if this option is selected.
	- Actualized driver-based plan data: When rolling forward, the data that is actualized is kept and can be
	used as a source for historical values. Actualized data for the last 12 months are kept in the actualized
	driver-based plan data source.
Map acc.	Link to pop-up where general ledger accounts can be mapped to as source for historical values to the
	specific measure. The link will only appear if "General ledger external fact" is selected as the "hist. fact
	source" for measure.
	Means/pi.4.9 Description Description (N Description (N) Means/pi.4.9 Net or pi.e. Net of pi
	Azzurte/space Azzurte/space Azzurte/space Azzurte/space Sm V Sm V Sme v Garces V G Genes Lador etern for V G Azzurte/senior Azzurte/space Azzurte/space Sm V Sm V Sme v Garces V G Genes Lador etern for V G Azzurte/space Sm V Sm V Sme v Garces V G V V Sme
	Autoretary Autoretary Ballet
	Bruis Matthewate Matthewate Matthewate Matthewate Matthewate Matthewate Matthewate Matthewate Convertee
	Ministry 1 Accurdingent 2x10-Accurdingent 4 Answer (func car) × 0
Comment	Optional comment.
Owned by	"\$System" for measures that initially came with the system. The user id for the user that added the
	measure for measures added to the solution post-deployment.

Attach module to input report

The module can be attached to the action link button of one or more report lines of the "Plan Overview" report:



Overview Status																			0	1
tment	莽			Period										Workflow Stat	tus		Go to Input N	<i>f</i> odule	New task	
nger ×	Depa	Save Refresh	Trend	2021	×									Not Start	ted	14		1~		
Departments	etment	Stavanger (NOK)																		
		Report	Act DY	Actuals L12M	Act, YTD 2021	Plan YTG 2021	2021	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	
		on Sales		0 14 532 711	0	270 370 782	270 370 782	45 462 898	40 548 898	35 634 898	30 720 898	25 806 898	20 892 898	15 978 898	11 064 898	11 064 898	11 064 898	11 064 898	11 064 898 🖾	
		Conter Revenue		0 61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 🖾	
		Operating Income		0 14 532 771	0	270 370 782	270 370 782	45 462 898	40 548 898	35 634 898	30 720 898	25 806 898	20 892 898	15 978 898	11 064 898	11 064 898	11 064 898	11 064 898	11 064 898 🕄	
		Cost of Goods		0 0	0	133 070 040	133 070 040	26 614 008	23 287 257	19 960 506	16 633 755	13 307 004	9 980 253	6 653 502	3 326 751	3 326 751	3 326 751	3 326 751	3 326 751 🖾	
		Other Direct Cost		0 1 372 076	0	8 640 000	8 640 000	1 728 000	1 512 000	1 296 000	1 080 000	864 000	648 000	432 000	216 000	216 000	216 000	216 000	216 000 🖾	
		Gross Profit		0 13 160 695	0	128 660 742	128 660 742	17 120 890	15 749 641	14 378 392	13 007 143	11 635 894	10 264 645	8 893 396	7 522 147	7 522 147	7 522 147	7 522 147	7 522 147 💷	
		Gross Profit %		0 90.6 %	0	47.6 %	47.6 %	37.7 %	38.8 %	40.3 %	42.3 %	45.7 %	49.7 %	55.7 %	68.0 %	68.0 %	68.0 %	68.0 %	68.0 % 🖾	
		ee Payroll		0 16 408 385	0	298 404 468	298 404 468	26 685 067	27 679 149	26 685 067	27 212 976	28 207 058	27 212 976	27 212 976	-2 336 784	27 212 976	27 212 976	28 207 058	27 212 976 💷	
		Other Personnel Cost		0 1 458 436	0	33 203 679	33 203 679	2 865 114	2 914 326	2 865 114	2.897 233	2 946 445	2 897 233	2 897 233	1 282 837	2 897 233	2 897 233	2 946 445	2 897 233 💷	
		Personnel Cost		0 17 866 821	0	331 608 147	331 608 147	29 550 181	30 593 475	29 550 181	30 110 209	31 153 503	30 110 209	30 110 209	-1 053 947	30 110 209	30 110 209	31 153 503	30 110 209 🖾	
		Con Other Operating Expenses		0 5 750 275	0	-198 158 000	-198 158 000	-39 678 300	-34 715 895	-29 750 786	-24 785 678	-19 820 569	-14 855 461	-9 890 352	-4 929 489	-4 930 841	-4 932 192	-4 933 543	-4 934 895 🖾	
		😔 Depreciation and Amortization		0 544 100	0	916 667	916 667	0	83 333	83 333	83 333	83 333	83 333	83 333	83 333	83 333	83 333	83 333	83 333 🖾	
		Operating Expenses		0 6 294 375	0	-197 241 333	-197 241 333	-39 678 300	-34 632 561	-29 667 453	-24 702 344	-19 737 236	-14 772 127	-9 807 019	-4 846 156	-4 847 507	-4 848 859	-4 850 210	-4 851 561 🖾	

To attach the module to a report line, go to the "Setup" page of the "Input settings and administration" workbook:

=	Forecast • Planner DE	EVEL	OPME	NT 5.4	1.1 In	put Sett	ings and	Admininst	ration						profilba <u>se</u>
Account	settings Personnel settings Payroll S	Settings	Driver bas	ed setting	Setup	Translation	ns								0 🐔
Sav When m	re Refresh adli department input on, a row limit mus	st be se	t. Consider se	etting mar	datory filte	ers and not t	to auto-load in	uput sheet on fill	er change.						Execute Operation
Input mo	adules														
					R	ow context m	menu options								
	Input module Publ	lished	Description	New	Delete	Delete (act.	= 0) Ch. dim	Ch. dim. (act) Multi-dept. input	t Input row limit	t Auto load o	on filter chg A	uto submit data	Comment	
1	Profitbase.EPM.AccountWorkbook	e	Account	2	2		2					2			
2			Personnel	2	2		•		0						
3			CapEx	2	2				2	100					
4	Profitbase.EPM.LoanWorkbook	¥	Loan	~	2				2	100		2			
	count - dimensions count - column selection	Ir	iput module r D		map Report L	ine ID (Input module			Comment	t				
			1 ALD	epartment	Sales	✓ Prod	duct sales	~							
Ac	count - Historic Reference Columns					oods∀ Pred		*							
Act	count - deviation columns		3 Alea			✓ Persition a ✓ Caol	Port to	*							
Per	sonnel - dimensions		5 Stava				itx chase inventory	~							
Per	sonnel - Column setup		6 ABC		Sales	✓ Acco		~							
- Per	sonnel atribute values														
🗹 Inp	ut module report line map														
🗌 Bas	se settings														
Per	iod fiters														
C	olumn					- I I	Decor	rintior							

Column	Description
Departm.	Source department. Ranked input. Mandatory.
	Through the use ranked input (high level selection), different modules may attach to a given report line for different part of the department dimension (organization).
Report Line ID	Report line to which input module is to attach. Select from list. Mandatory.
Input module	Input module to attach. Select from list. Mandatory.

Period filters

The input module contains a period filter in which (time) periods can be selected. The content of this filter can be configured in the "Period filters" table found in the "Setup" page in the "Input Settings and Administration" workbook:

ngs Payroll Settings <u>Setup</u>						
Save Refresh						
Account - dimensions	Period f	ilters				
Assessed Ulistania Deference Columna		Period filter	Visible	Default	Sorting	Comment
Account - Historic Reference Columns	1	2021			1	This fiscal year
Account - deviation columns	2	2022			2	Next fiscal year
Personnel - dimensions	3	Jan 2021 - Dec 2022			3	Next 12 months
	4	2021 - 2022			4	This fiscal year and next fiscal year
Personnel - Column setup	5	2023 - 2027			5	Beyond next fiscal year
Base settings						



Note that this configuration is global to all input module workbooks and the "Plan Overview" workbook.

Column	Description
Period filter	Available filters, preset.
Visible	Makes filter visible (checked) or not visible (unchecked)
Default	Makes it the default period filter
Sorting	Controls the sorting in the filter drop down
Comment	Optional comment

Edit...

Clicking the Edit.. button reveals a pop-up with the option to edit the name (default name, see <u>Translations</u> for translations), as well as:

ave Refresh	New	Open	Edt.,	Ap	ply	Edit	3
	(Forecast	SalesWorkbook) - Prod	uct sales			Edit	(
ch						Description	
luct sales	Input	model Assumptio	ins Outpu	t Adv	anced - engine in	Product sales	
sulting	Measur						Row context menu options
		Measure	Descrip	tion	Driver I	Access group	
						X V	V New
	1	SalesQty	Sales qty				
	2	SalesUnitPrice	Sales price				
	3	FreightinPerUnit	Incoming freig			Periods button	V Delete
	4	Freightin	Incoming Frei				() been
	5	CommissionPct	Commission 9	•			
	6	Commission	Commission				
	7	Sales	Sales income			Navigate directly to details view	Delete (act. = 0)
	8	CostOfGoodsSoldPct	Cogs %				
	9	CostOfGoodsSold	Cogs				
	10	FreightOut	Outgoing Frei	gnt		Multi-dept. Input	🗸 Ch. dim.
	11	SalesDiscountPct	Discount %				
		SalesDiscount	Discount				
	13	GrossMargin	Gross margin			Auto load on filter cho	Ch. dim. (act. = 0)
	Dimens	ions					0
		DimensionColumn	Visible	Mandator	y Visible a		
	1	ActivityID	2		2	Auto submit data	Input row limit
	2	CPLegalEntityID					
	3	Dim1	0				
	4	Dim2					
	5	Dim3					
	6	Dim4	0				
	7	MarketID		0	2		
	8	ProductiD			2		
		selection					

Period button and navigation

The Periods button is default visible and active. To hide and make inactive, un-tick the "Periods button" option.

By default, the drivers view is loaded and displayed when selecting in the Department dimension. The details view can be viewed per driver combination by clicking the go-to-details icon on the driver-row in question.

In circumstances where there is always just one driver row per department (all non-department dimensions have the default empty member, i.e. #), the "Navigate directly to details view" can be ticked thereby taking the user directly to the details view. This option I by default un-ticked.

Limit access to specific models

By default, the access set up for the Driver based workbook applies to all driver-based models as they all shar the same workbook.



If needed, access to an individual model can be limited to a specific access group of the Default category by clicking the Edit button:

Save Refresh	New	- Open	Edit	Ap	ply F	Edit	×
	(forecast	SalesWorkbook) - Produ	uct sales			Edt	Ć
sarch						Description	
roduct sales	input	model Assumptio	ns Outpu	ut Adva	anced - engine in	Product sales	Row context menu options
onsulting	Measur	e					Now comest mena options
		Measure	Descrip	otion	Driver I	Access group	
	1	SalesQty	Sales qty				V New
	2	SalesUnitPrice	Sales price		0		
	3	FreightinPerUnit	Incoming frei	ght per unit	0		
	4	Freightin	Incoming Frei	ght		Periods button	C Delete
	5	CommissionPct	Commission 1	6			
	6	Commission	Commission				
	7	Sales	Sales Income			Navigate directly to details view	Delete (act. = 0)
	8	CostOfGoodsSoldPct	Cogs %				C securities - a)
	9	CostOfGoodsSold	Cogs				
	10	FreightOut	Outgoing Fre	ght			
	11	SalesDiscountPct	Discount %			Multi-dept. input	Ch. dim.
	12	SalesDiscount	Discount				
	13	GrossMargin	Gross margin				
	_				_	Auto load on filter chg	Ch. dim. (act. = 0)
	Dimens						
		DimensionColumn	Visible	Mandator			
	1	Activity/D			2	Auto submit data	Input row limit
	2	CPLegalEntityID					
	3	Dim1					
	4	Dim2			0		
	5	Dim3			0		
	6	Dim4	0		0		
	7	MarketiD			2		
	8	ProductiD	~		Z		

Control row context menu options (right-click)

Refresh	New	Open	Edit	- Am	pły	Edit	×
					prys	Edit	0
	(Forecast	SalesWorkbook) - Produ	uct sales			Description	
es	Input	model Assumptio	ns Outp	ut Adva	nced - engine in		
	Measur						Row context menu options
	Measur	Measure	Descri	ation	Driver I	Access group	
				ption		XIV	V New
	1	SalesQty	Sales qty				
	2	SalesUnitPrice	Sales price				
	3	FreightInPerUnit	Incoming frei		0	C Andreas Andreas	
	4	Freightin	Incoming Fre	ight		Periods button	C Delete
	5	CommissionPct	Commission	%	0		
	6	Commission	Commission				
	7	Sales	Sales income			Navigate directly to details view	Delete (act. = 0)
	8	CostOfGoodsSoldPct	Cogs %				
	9	CostOfGoodsSold	Cogs				
	10	FreightOut	Outgoing Fre	ight		Multi-dept. input	🗸 Ch. dim.
	11	SalesDiscountPct	Discount %			Multi-dept input	Ch. am.
	12	SalesDiscount	Discount				
	13	GrossMargin	Gross margin				
	Dimens					Auto load on filter chg	Ch. dim. (act. = 0)
	Dimens	DimensionColumn	Visible	Mandator	y Visible a		
	1	ActivityID			2	Auto submit data	Input row limit
	2	CPLegalEntityID	0	0			
	3	Dim1					
	-4	Dim2	0				
	5	Dim3	0				
	6	Dim4	0	0			
	7	MarketID		0	2		
	8	ProductID		0			

Some of the row context menu options can be controlled:

Column	Description
	Row context menu options (right-click)
New	Insert new row and Insert copy of row is allowed (true) or not allowed (false). Default is true.
Delete	Delete row is allowed (true) or not allowed (false). Default is true.
Delete (act. = 0)	Delete row is allowed only if row contains no actuals (true). Available for selection only if "Delete"
	is true.
Ch. dim.	Change dimensionality is allowed (true) or not allowed (false). Default is true.
Ch. dim. (act. = 0)	Change dimensionality is allowed only if row contains no actuals (true). Available for selection only
	if "Ch. dim." is true.

Multi-department input



By default, input is only allowed at the lowest departmental level. In certain situations, this may not be desirable if for example users act on multiple departments. For this reason, multidepartment input is used:

2 SalesUnifPrice Sale 3 Freightin-BerUhit Incc 4 Freightin Incc 5 CommissionPet Con 6 Commission Cor 7 Sales Sale 8 CostO/GoodSoldPet Cop 9 CostO/GoodSoldPet Cop 10 FreightOut Out	sales	Apply 8 Advanced - engine in Driver 8 it it	Edit Edit Edit Periods button Navigate directly to details view	Row context menu	Se
ecastSatesWorkbook) - Product sa Input model Assumptions easure SatesQhty Saik SatesQhty Saik SatesQhtPreLinit Inco SatesQhtPreLinit Inco GommissionPet Con G Commission Con 7 Sates Sate 8 ContOlGoodSodPet Cop 9 CostOlGoodSodPet Cop 10 FreightOL Cot	Output Ad Description alle price alle price ncoming freight per unit ncoming freight per unit normission % commission % commission alles income coges % coges %	Advanced - engine in Driver 8	Description Product sales	× I ∨ ⊘ Deiete	
Input model Assumptions easure Measure I 1 SalesQty Sale 2 SalesQtrip Sale 3 Freightin/Frice Sale 4 Freightin/Finith Incc 5 CommissionNet Con 6 CommissionNet Con 7 Sales SoloOddSoldNet Cog 9 CostOl/GoodSoldNet Cog In 10 FreightOddSold Cog In	Output Ad Description alles qty alles qty alles price have pr	Driver I Image: Constraint of the second seco	Description Product sales	× I ∨ ⊘ Deiete	Se
Measure 1 SalesQty Sale 2 SalesUntPrice Sale 3 Freightniherlinit Incc 4 Freightnih Incc 5 CommissionNett Con 6 CommissionNett Con 7 Sales Salet 9 CostOfGoodsSoldPkt Cog 10 FreightOut Cog	Description ales qty ales price ncoming freight per unit ncoming Freight commission % commission ales income cogs % cogs %	Driver I Image: Constraint of the second seco	n Product sales Access group ✓ Periods button	× I ∨ ⊘ Deiete	Se
Measure 1 SalesQty Sale 2 SalesUntPrice Sale 3 Freightniherlinit Incc 4 Freightnih Incc 5 CommissionNett Con 6 CommissionNett Con 7 Sales Salet 9 CostOfGoodsSoldPkt Cog 10 FreightOut Cog	Description ales qty ales price ncoming freight per unit ncoming Freight commission % commission ales income cogs % cogs %	Driver I Image: Constraint of the second seco	k Access group	× I ∨ ⊘ Deiete	Se
Measure 1 SalesQty Salet 2 SalesUntPrice Salet 3 Freightnice Salet 4 Freightnin Inco 5 CommissionPet Con 6 Commission Con 7 Sales Salet 9 CostOfGoodSoldPet Cog 10 FreightOut Cog	ales qty ales price ncoming freight per unit ncoming Freight commission % commission ales income cogs % cogs	Image: Constraint of the	✓ Periods button	✓ Delete	pro
SalesQty SalesQty SalesQty 2 SalesQth/Br/ce Sale 3 FreightinBerLinit Incc 4 FreightinBerLinit Incc 5 CommissionRet Con 6 Commission Cor Cor 7 Sales Sale 8 CostOfGoodSodPkt Cop 9 CostOfGoodSodPkt Cop 10 FreightOut Out	ales qty ales price ncoming freight per unit ncoming Freight commission % commission ales income cogs % cogs	Image: Constraint of the	✓ Periods button	✓ Delete	pro
2 SalesUniPrice Sale 3 Freightin-BerUhit Incc 4 Freightin Incc 5 CommissionPet Con 6 Commission Cor 7 Sales Sale 8 CostO/GoodSoldPet Cop 9 CostO/GoodSoldPet Cop 10 FreightOut Out	ales price ncoming freight per unit ncoming Freight Commission % Commission ales income Logs % Logs	it 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		✓ Delete	
3 Freightin/Peruhit Incc 4 Freightin Incc 5 Commission/Pet Con 6 Commission Con 7 Sales Sale 8 CostO/GoodsSold/Pet Cog 9 CostO/GoodsSold/Pet Cog 10 FreightOut Out	ncoming freight per unit ncoming Freight Commission % Commission ales income Cogs % Cogs	it			
4 Freightin Incc 5 CommissionPct Con 6 Commission Con 7 Sales Sale 8 CostO/GoodsSolid Cog 9 CostO/GoodsSolid Cog 10 FreightOut Out	ncoming Freight Commission % Commission iales income Cogs % Cogs				-
5 CommissionPett Con 6 Commission Con 7 Sales Sale 8 CostO/GoodsSoldPett Cog 9 CostO/GoodsSold Cog 10 FreightOut Out	Commission % Commission iales income Cogs % Cogs				-
6 Commission Con 7 Sales Sale 8 CostOrGoodsSoidPct Cog 9 CostOrGoodsSoid Cog 10 FreightOut Out	Commission iales income Cogs % Cogs		Navigate directly to details view	Delete (act. = 0)	
7 Sales Sale 8 CostOfGoodsSoldPct Cog 9 CostOfGoodsSold Cog 10 FreightOut Out	iales income Cogs % Cogs		Navigate directly to details view	Delete (act. = 0)	
8 CostOfGoodsSoldPct Cog 9 CostOfGoodsSold Cog 10 FreightOut Out	Cogs % Cogs		Navigate directly to details view	Delete (act. = 0)	
9 CostOfGoodsSold Cog 10 FreightOut Out	logs				J.
10 FreightOut Out					. II.
	itaging Freight		4		
11 SalesDiscountPct Dis-	ang only in eight		1_		40
- Juicsbracountriet biss	Discount %		Multi-dept. Input	Ch. dim.	
12 SalesDiscount Disc	Discount		1		
13 GrossMargin Gro	Fross margin				_
mensions			✓ Auto load on filter chg	Ch. dim. (act. = 0	0)
	Visible Mandate		s.		
1 ActivityID				Inp	put row limit Ac
2 CPLegalEntityID	0 0				
3 Dim1	0 0				
4 Dim2	0 0				
5 Dim3	0 0				
6 Dim4	0 0				
7 MarketID					
8 ProductID		2			
lumn selection					Save Cancel
Column Name Des	escription Visible	2			Save concer
2 3 4 5 6 7 8	CPLegalEntityID Dim1 Dim2 Dim3 Dim4 MarketID ProductID election	CRLegalEntlyID Image: CRLEGalEntlyID Im	CPAcgalEntiylD Image: CPAcgalEntiylD Im	CPAcgalEntiyID I I Dim1 I I Dm2 I I Dm3 I I Dm4 I I Dm3 I I Dm4 I I ProductID I I etection I I	CPAcgalEntity(D) I I Din1 I I Din2 I I Din3 I I Din4 I I Din5 I I D

Multi-dept. input	Input only allowed at lowest department level input is the default (false). If set to true, input can (given that access control allows) be given at higher-level nodes of the department dimension.
	NOTE : when multi-department input is no (true), other filter should be used to narrow down the data set operated on.
Input row limit	Max. row limit returned that allows input. If row limit is reached, data is limited, and a warning is given to say that data set must be narrowed down to allow input. When multi-department input is set to true, a row limit must be set.
Auto load on filter chg.	By default, data is loaded automatically on filter change (true). When multi-department input is used, it may be desirable to first set all filters and then load the data. If this is the case, set this option to false. End user will have to use the Refresh button to load data.

Auto submit data

By default, data is submitted (i.e. processed through to the Plan Overview) once saving the data. By unchecking this option, a Submit button is displayed and the Save action will only save the input data and a manual click on the Submit button is required to actually submit the data through to the Plan Overview.

5 Settings

Driver based models are configured in the "Driver based modelling" workbook and the "Models" page.

■ Forecast •	Planner	DEVELOPME	NT 5.4.1 Drive															profilbase
odels Measure																		0
Save Refresh	New	L. Open	Edit Ap	pply	Process	Delet	8-	Check cal	c 🗸	Published								
arch	(Forecast	SalesWorkbook) - Produ	act sales															
roduct sales	Input	mode Assumptio	ns Output Adv	vanced - eng	ine interface													
onsuiting	Measur																	
orsuling		Measure	Description	Driver	Input	Assumption	Calc.	Set C	alc. order	Total across period	s Rollup	Format	Style		Sorting	Set	Comment	Excl. frc
																plan proposal		
	1	SalesQty	Sales qty	2	2			0				 Number, no decimais 		~	10	60		
	2	SalesUnitPrice	Sales price		2	2		0				 Number, no decimais 		~	20			t
	3	FreightinPerUnit	Incoming freight per unit		2	•		0		Average 👻	 Average 	Number, 2 decimais		~	30			t
	- 4	Freightin	Incoming Freight				2	0		Sum 👻	r Sum	Number, no decimais		~	31			
	5	CommissionPct	Commission %		2	2		0		Average 👻	* Average	Percentage, 1 decimal Y		~	32			t (
	6	Commission	Commission				2	0		Sum 👻	r Sum	 Number, no decimais 		~	34			0
	7	Sales	Sales income				2	0		Sum 👻	Sum	Number, no decimais	BoldOverline	~	38			0
	8	CostOfGoodsSoldPct	Cogs %		2	2		0		Average 🗸 🗸	Average	✓ Percentage, 1 decimal ✓		~	40			t (
	9	CostOfGoodsSold	Cogs		0		•	0		Sum 👻	Sum	Number, no decimais	BoldOverline	~	50			C
	10	FreightOut	Outgoing Freight					0		Sum 👻	Sum	Number, no decimais ¥		~	60	60		C
	11	SalesDiscountPct	Discount %		0	2		0		Average 🗸 🗸	Average	 Percentage, 1 decimal 		~	65			t (
	12	SalesDiscount	Discount					0		Sum 👻	Sum	 Number, no decimais 		~	66			C
								0		Sum 🗸	Sum	V Number, no decimais V			70			

Multiple input models can be created and published to users. Select a model in the filter-list on the far left to activate buttons and display content.

Note that the most common settings (as outlined below) may also be maintained in the "Input Settings and Administration" workbook that may be convenient to avoid giving users access to model setup:

Assumptions Assumptions Measure Departm. Product Market Activity Project Currency Jun 22 Feb 22 Mar 22 May 22 Jun 22 Jul 22 Jul 22 Jul 22 Sep 22 Oct 22 Nov 22 Dec 22 Jun 23 Feb 23 Mar	unt / Personnel Settings	Driver based settings	Payron Settings																				
Answer Departm Product Market Activity Project Jan 22 Peb 22 Mar 22 Jan 22 Jan 22 Jan 22 Sap 23 Sap 23 Sap 23 </th <th></th> <th>Measure</th> <th></th>		Measure																					
Measure Department Product Modelset Attempty Project Jan 22 Pdr 22 Marg 23 Marg 23 Marg 23	Save Refresh	SalesUnitPrice					× 1																
Measure Departm Product Meddet Adding Project Cammo Jan 22 Mar 23 Mar	arch	Assumptions																					
Seecle-Price Al Departments Perfreque Division Core, All Mantets, All All NOC V 1000 1000 1000 1000 1000 1000 1000 1		Mea	re Departm.	Prode	uct Ma	rket A	Activity Pr	oject Curr	ency Jan 22	Feb 22	Mar 22	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Ma
Dumbution keys		1 SalesUr	Price All Department	ts Profitways Dil	Vision Core All M	larkets All	All	NDK	← 1.000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1.000	1 000	1 000	1
		Depart Acc. mapping -> 1					t Jan 22 rre → P&L tran		Mar 22		y 22 Jua	n 22 Ju	ul 22 Auş	g 22 Sep		tt 22 Nor	/ 22 De	c 22 Ja	n 23 Fe	b 23 Mar	23 Ap	or 23 Ma	y 23
1 Alle avdelinger All Product: All Markets Alle Alle Sales income 💙 3015 - Income Accessories		Depart Acc. mapping -> 1 Depar	&L transaction nent Product	Market Ac	tivity Projec	t Measu	rre -> P&L trar	isaction	Accor	nt.		n 22 Ji	ul 22 Aug			t 22. No	/ 22 De	c 22 Ja	m 23 Fel	b 23 Mad	23 Ap	or 23 May	y 23
2 Alle avdelinger All Product: All Markets: Alle Alle Alle Cogs 🕶 4010 - Inkäp varon och material 🍽		Acc. mapping -> Depart 1 Alle avd 2 Alle avd	& transaction nent Product A linger All Product A	Market Ac Al Markets Alle Al Markets Alle	divity Projec Alle Alle	t Measu Sales i Cogs	rre -> P&L tran	saction	Accol Income Accessori	nt s sterial	× ×	n 22 Ju	ul 22 Aug			rt 22. No	/ 22 De	c 22 Ja	m 23 Fel	b 23 Mat	23 Ap	or 23 Ma	y 23
2 Alle adelinger All Product All Markets Alle Alle Cops ♥ 4010 - Inidig varior och material ♥ 3 Alle adelinger All Product All Markets Alle Alle Commission ♥ 3075 - Rebilded advertising expenses ♥		Acc. mapping +> Depart Depart 1 Alle av 2 Alle av 3 Alle av	BL transaction nent Product linger All Product A linger All Product A linger All Product A	Market Ac Al Markets Alle Al Markets Alle Al Markets Alle	ctivity Projec Afle Alle Alle	t Measu Sales i Cogs Comm	rre -> P&L tran ncome ission	saction	Accord - Income Accessori - Inklog varo sch m - Rebilled advertisi	nt s sterial g expenses	> > >	n 22 Ju	ul 22 Aug			t 22 No	/ 22 De	c 22 Ja	n 23 Fe	b 23 Mar	23 Ap	w 23 Ma	y23
2 Alle anderlinger All Product: Alle Markets: Alle Alle Cogis * dilable-Indiga narco och mentalis * 3 Alle anderlinger All Product: Alle Markets: Alle Alle * 2015* - Reliable advertising aspenses * 4 Alle anderlinger All Product: Alle Coupuing Privile * dilable *		Acc. mapping -> Depart Depart 1 Alle avc 2 Alle avc 3 Alle avc 4 Alle avc	BL transaction nent Product A linger All Product A linger All Product A linger All Product A	Market Ac Il Markets Alle Il Markets Alle Il Markets Alle Il Markets Alle	divity Projec Alle Alle Alle	t Measu Sales i Cogs Comm Outgo	ere -> P&L tran ncome ission ing Freight	saction	Accos - Income Accessori - Inkóp veror och n - Rebilled advertsu - Freight cost on g	nt s eterial g expenses ods sold		n 22 Jr	ul 22 Aug			t 22 No	/ 22 De	c 22 Ja	n 23 Fe	b 23 Mar	23 Αφ	w 23 Ma	y 23
2 Alle adelinger All Product All Markets Alle Alle Cops ♥ 4010 - Inidig varior och material ♥ 3 Alle adelinger All Product All Markets Alle Alle Commission ♥ 3075 - Rebilded advertising expenses ♥		Acc. mapping -> Depart Depart 1 Alle avc 2 Alle avc 3 Alle avc 4 Alle avc	BL transaction nent Product A linger All Product A linger All Product A linger All Product A	Market Ac Il Markets Alle Il Markets Alle Il Markets Alle Il Markets Alle	divity Projec Alle Alle Alle	t Measu Sales i Cogs Comm Outgo	ere -> P&L tran ncome ission ing Freight	saction	Accos - Income Accessori - Inkóp veror och n - Rebilled advertsu - Freight cost on g	nt s eterial g expenses ods sold		n 22 Jr	ul 22 Aug			t 22 No	/ 22 De	c 22 Ja	n 23 Fel	b 23 Mar	23 Αφ	or 23 Mas	y 23
2 Alle anderlinger All Product: Alle Markets: Alle Alle Cogis * dilable-Indiga narco och mentalis * 3 Alle anderlinger All Product: Alle Markets: Alle Alle * 2015* - Reliable advertising aspenses * 4 Alle anderlinger All Product: Alle Coupuing Privile * dilable *		Depart Acc. mapping → Depart 1 Alie av 2 Alie av 3 Alie av 4 Alie av 5 Alie av	BL transaction nent Product A linger All Product A linger All Product A linger All Product A	Market Ac Il Markets Alle Il Markets Alle Il Markets Alle Il Markets Alle	divity Projec Alle Alle Alle	t Measu Sales i Cogs Comm Outgo	ere -> P&L tran ncome ission ing Freight	saction	Accos - Income Accessori - Inkóp veror och n - Rebilled advertsu - Freight cost on g	nt s eterial g expenses ods sold		n 22 Ji	ul 22 Aug			t 22 No	/ 22 De	c 22 Ja	m 23 Fef	b 23 Mat	23 Ap	or 23 Ma	y23

Assumptions

Assumptions are lookup value and should exist for any measure that is defined as a lookup. For a measure to be eligible for assumptions, it must be defined as an assumption measure, see <u>Define measures</u> for details.

Assumptions are maintained in the "Assumptions" tab:



				nner 5.1.1.0																					filba <u>s</u>
els Measure Measure fac	ct data Di	imension data																							0
Save Refresh	New.		Open	Apply	Process	Delete	Check calc.																		
duct sales ×																									
	(Eorecart	Salarillinekhook) - Product sale	Edit 📿	Published																				
roduct sales	() Orecan.	Carcine Revea	2 - FTOMALS MARK																						
insuiting	Input	model Ad	sumptions	Output Advanced	- engine int	erface																			
	SalesU																								
	20100	The final																							
	2010	Measure	Departm.	Product	Market	Activity	Project	Currency	Jan 22	Feb 22	Mar 22	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	Apr 23	May
	1	Measure			Market	Activity		Currency	Jan 22	Feb 22	Mar 22	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	Apr 23	
	1 2	Measure SalesUnitPrice	Alle avdelinger		Market All Markets	Activity Al Activities	Project All Projects All Projects																		100
	1 2 3	Measure SalesUnitPrice SalesUnitPrice	Alle avdelinger Alle avdelinger	All Product Profitways DiVision Core	Market All Markets All Markets	Activity All Activities All Activities	All Projects	NOK	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100
	1 2 3 4	Measure SalesUnitPrice SalesUnitPrice SalesUnitPrice	Alle avdelinger Alle avdelinger Alle avdelinger	All Product Profitways DiVision Core Profitways OutBack	Market All Markets All Markets All Markets	Activity Al Activities Al Activities Al Activities	All Projects All Projects All Projects	NOK NOK	100 000	100 000	100 000	100 000	100 000	100 000	100 000 190 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100
	1 2 3 4 5	Measure SalesUnitPrice SalesUnitPrice SalesUnitPrice	Alle avdelinger Alle avdelinger Alle avdelinger Alle avdelinger	All Product Profitways DiVision Core Profitways OutBack Profitways EDM ⁸	Market All Markets All Markets All Markets All Markets	Activity All Activities All Activities All Activities All Activities	All Projects All Projects All Projects All Projects	NOK NDK NDK	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 000 190 000 100 000	100 190 100
	1 2 3 4 5 6	Measure SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice	Ale avdelinger Ale avdelinger Ale avdelinger Ale avdelinger Ale avdelinger	All Product Profitways DiVision Core Profitways OutBack Profitways EDM ⁸ Project Manager	Market All Markets All Markets All Markets All Markets All Markets	Activity All Activities All Activities All Activities All Activities All Activities All Activities	All Projects All Projects All Projects All Projects All Projects	NOK NOK NOK	100 000 190 000 100 000 150 000	100 000 190 000 100 000 150 000 1 625	100 000 190 000 100 000 150 000	100 000 190 000 100 000 150 000	100 000 190 000 100 000 150 000	100 000 190 000 100 000 150 000	100 000 190 000 100 000 150 000	100 000 190 000 100 000 150 000	100 000 190 000 100 000 100 000	100 000 190 000 100 000 150 000	100 000 190 000 100 000 150 000	100					
	1 2 3 4 5 6 7	Measure SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice	Alie avdelinger Alie avdelinger Alie avdelinger Alie avdelinger Alie avdelinger Alie avdelinger	All Product Profitways DiVision Core Profitways OutBack Profitways EDM ⁸ Project Manager Project Manager	Market All Markets All Markets All Markets All Markets All Markets Oll & Gas	Activity All Activities All Activities All Activities All Activities All Activities All Activities	All Projects All Projects All Projects All Projects All Projects All Projects All Projects	NOK NOK NOK	 100 000 190 000 100 000 150 000 1625 	100 000 190 000 100 000 150 000 1 625 2 300	100 000 190 000 100 000 150 000 1 625	100 000 190 000 100 000 150 000 1 625	100 000 190 000 100 000 150 000 1 625	100 000 190 000 100 000 150 000 1 625	100 000 190 000 100 000 150 000 1625	100 000 190 000 100 000 150 000 1 625	100 190 100 150 150								
	1 2 3 4 5 6 7 8	Measure SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice	Alie avdelinger Alie avdelinger Alie avdelinger Alie avdelinger Alie avdelinger Alie avdelinger	All Product Proftways DiVision Core Proftways OutBack Proftways EDM ⁸ Project Manager Project Manager Senior Consultant	Market All Markets All Markets All Markets All Markets Oll & Gas All Markets	Activity All Activities All Activities All Activities All Activities All Activities All Activities All Activities	All Projects All Projects All Projects All Projects All Projects All Projects All Projects All Projects	NOK NOK NOK NOK NOK	 100 000 190 000 100 000 150 000 150 000 1 625 2 300 	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300	100 000 190 000 100 000 150 000 150 000 1 625 2 300	100 000 190 000 100 000 150 000 1 625 2 300	100 000 190 000 100 000 150 000 1 625 2 300	100 000 190 000 100 000 150 000 1 625 2 300	100 000 190 000 100 000 150 000 150 000 1 625 2 300	100 000 190 000 100 000 150 000 1 625 2 300	100 000 190 000 100 000 150 000 1 625 2 300	100 000 190 000 100 000 150 000 1 625 2 300	100 000 190 000 100 000 150 000 1 625 2 300	100 190 100 150 1 1 2 1				
	1 2 3 4 5 6 7 8 9	Measure SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice SalesUnitPrice	Alie avdelinger Alie avdelinger Alie avdelinger Alie avdelinger Alie avdelinger Alie avdelinger	All Product Proftways DiVision Core Proftways OutBack Proftways EDM [®] Project Manager Project Manager Senior Consultant Junior Consultant	Market All Markets All Markets All Markets All Markets OII & Gas All Markets All Markets All Markets	Activity All Activities All Activities All Activities All Activities All Activities All Activities All Activities All Activities	All Projects All Projects All Projects All Projects All Projects All Projects All Projects All Projects All Projects All Projects	NOK	 100 000 190 000 100 000 100 000 150 000 1 625 2 300 1 350 	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 300 1 350	100 000 190 000 100 000 150 000 1 625 2 500 1 350	100 190 100 150 150 1 1 2 1 1

Select a measure from the dropdown list. The currently existing assumptions will display. Maintain assumption values as needed. To see the effect of any change, click Save and the Process for the model in question.

Assumptions are common across models.

Column	Description
Measure	Measure to which the assumption is attached. Automatically set based on filter dropdown selection. Mandatory.
Departm.	Source department. Ranked input. Mandatory.
Product	Source product. Ranked input. Mandatory. Note that if the Product dimension is not visible in the model, any relevant assumption must be defined for the All product level.
Market	Source market. Ranked input. Mandatory. Note that if the Market dimension is not visible in the model, any relevant assumption must be defined for the All market level.
Activity	Source activity. Ranked input. Mandatory. Note that if the Activity dimension is not visible in the model, any relevant assumption must be defined for the All activities level.
Project	Source project. Ranked input. Mandatory. Note that if the Project dimension is not visible in the model, any relevant assumption must be defined for the All projects level.
Currency	Currency for assumption values. Mandatory for measures that have currency, see <u>Define</u> <u>measures</u> for details.
	Note that if there exist legal entities having different home currencies, assumptions must exist for each of the currencies, i.e. there will be no currency conversion when the lookup is done. For legal entity A with home currency EUR, it is expected that an assumption set with currency EUR exists for the lookup to return values.
Monthly period columns	Numeric lookup values for individual months. Column headings will be dynamic and will change as plan rolls forward.
NY Plus 1– NY Plus 5 columns	Numeric lookup values for years beyond next year. Column headings will be dynamic and will change as plan rolls forward. Applicable if long-term planning is done.

Please note that the assumption table will roll forward in time in accordance with the plan rolling forward.

Distribution keys

Distribution keys are specified by the combination of the department, product, and market dimensions.

The dimensional values are selected using the ranked input selector. For details on using the ranked input selector and making rank changes between rows, please refer to <u>Common functionality</u> for details.

As a general rule-of-thumb, it is advisable not to use too specific distribution keys.

Distribution keys are maintained in the "Output" tab:



■ Forecast • DEVELOPMENT - EPM Planner 5.1.1.0 | Driver based modelling

Save Refresh	New		Open Ap	ply	Process	Delete	Check calc.											
Product sales ×																		
Product sales	(Forecast	SalesWorkbook)	- Product sales	fit	Published													
Consulting	Input	model Ass	umptions Output	Advanc	ced - engine interfao	e												
Consulting	Input Distribu		umptions Output	Advanc	ced - engine interfao	e												
Consulting			umptions Output Product	Advano Market	ced - engine interfac Activity	e Project	Measure	Jan 22	Feb 22	Mar 22	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	
Consulting		ion keys	Product	Market	-		Measure Sales qty		Feb 22	Mar 22	Apr 22	May 22 1	Jun 22	Jul 22 1	Aug 22	Sep 22	Oct 22	1
Consulting		Departm.	Product	Market All Markets	Activity All Activities	Project All Projects	Sales qty 👻	1	Feb 22 1 2	Mar 22 1	Apr 22 1 12	May 22 1 1	Jun 22 1 2	Jul 22 1	Aug 22 1 2	Sep 22	Oct 22	1

Column	Description
Department	Source department. Ranked input. Mandatory
Product	Source product. Ranked input. Mandatory. Note that if the Product dimension is not visible in the model, any relevant assumption must be defined for the All product level.
Market	Source market. Ranked input. Mandatory. Note that if the Market dimension is not visible in the model, any relevant assumption must be defined for the All market level.
Activity	Source activity. Ranked input. Mandatory. Note that if the Activity dimension is not visible in the model, any relevant assumption must be defined for the All activities level.
Project	Source project. Ranked input. Mandatory. Note that if the Project dimension is not visible in the model, any relevant assumption must be defined for the All projects level.
Measure	Source measure. Select from list. Mandatory.
Monthly distribution key weight (heading dynamic)	Numeric values. Mandatory. When distributing a year-total value over monthly periods, the weight given to a specific month is its distribution key weight divided by the sum of the distribution key weights for all the months for that year.
Comments	Optional comment. Note that if a comment is added, the contributor will see the comment when viewing the distribution key of an input row.

Measure to account mapping

For every model, any measure that is expected to generate a P&L transaction must be mapped to an account.

The measure to account mapping is maintained in the "output" tab:

Save Refresh	New.		Open Ap	ply	Process	Delete	Check calc.				
roduct sales ×											
Product sales	(Forecast	SalesWorkbook)	- Product sales Ed	lit	Published						
Consulting	Inputi	model Ass	umptions Output	Advan	ced - engine interface	•					
	Distribut	tion keys			-						
	Distribut	Departm.	Product	Market	Activity	Project	Measure	Jan 2	2 Feb 22	Mar 22	Apr 22
	1	Alle avdelinger	All Product		All Activities	All Projects	Sales gty 🗸		1	1 1	
	2		Profitways DiVision Core						1	2 1	12
	3	Alle avdelinger			All Activities	All Projects	Outgoing Freight ~			1 1	
	Acc. mar	pping -> P&L trai	rsaction								
	Acc. maj	oping -> P&L trar Department	nsaction.	Market	Activity	Project	Measure -> P&L tr	nsaction		Account	
	Acc. map		Product	Market All Markets	-	Project Alle	Measure -> P&L tra Sales income		3015 - Income		
		Department	Product All Product		Alle			~	3015 - Income 4010 - Cost of	Accessories	
	1	Department Alle avdelinger	Product All Product All Product	All Markets	Alle	Alle	Sales income	~		Accessories Spareparts Solo	
	1	Department Alle avdelinger Alle avdelinger	Product All Product All Product All Product	All Markets All Markets	Alle Alle Alle	Alle	Sales income Cogs	* * *	4010 - Cost of	Accessories Spareparts Solo I advertising exp	penses
	1 2 3	Department Alle avdelinger Alle avdelinger Alle avdelinger	Product All Product All Product All Product All Product All Product	All Markets All Markets All Markets	Alle Alle Alle Alle	Alle Alle Alle	Sales income Cogs Commission	> > > >	4010 - Cost of 3075 - Rebilled	Accessories Spareparts Solo I advertising exp cost on goods :	penses
	1 2 3 4	Department Alle avdelinger Alle avdelinger Alle avdelinger Alle avdelinger	Product All Product All Product All Product All Product All Product	All Markets All Markets All Markets All Markets	Alle Alle Alle Alle Alle	Alle Alle Alle Alle	Sales income Cogs Commission Outgoing Freight	> > > > >	4010 - Cost of 3075 - Rebilled 4090 - Freight	Accessories Spareparts Solo I advertising exp cost on goods s Customs, etc.	penses

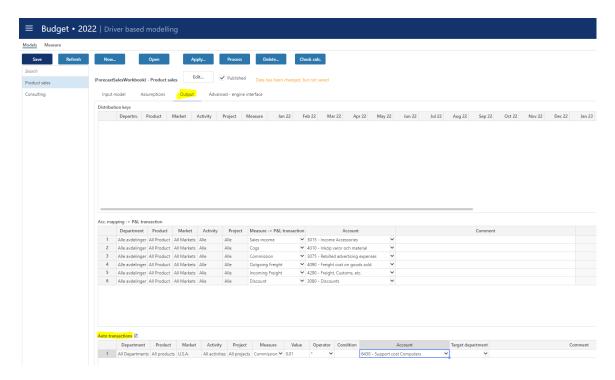
Nov 22 Dec 22 1 1 1 2 1 1

Column	Description
Department	Source department. Ranked input. Mandatory.
Product	Source product. Ranked input. Mandatory. Note that if the Product dimension is not visible in the model, any relevant assumption must be defined for the All product level.
Market	Source market. Ranked input. Mandatory. Note that if the Market dimension is not visible in the model, any relevant assumption must be defined for the All market level.
Activity	Source activity. Ranked input. Mandatory. Note that if the Activity dimension is not visible in the model, any relevant assumption must be defined for the All activities level.
Project	Source project. Ranked input. Mandatory. Note that if the Project dimension is not visible in the model, any relevant assumption must be defined for the All projects level.
Measure	Source measure. Select from list. Mandatory.
Account	The target account, i.e. that account that the generated P&L transaction will be tied to.
Comment	Optional comment

Auto transactions (optional)

Auto-transactions may be used to trigger additional transactions based on user input. For example, the input to a certain account should always generate an additional transaction to another account amounting to 10% of the input or source transaction.

The auto transactions are maintained in the "Output" tab:



Column	Description
Department	Source department. Ranked input. Mandatory
Product	Source product. Ranked input. Mandatory. Note that if the Product dimension is not visible in
	the model, any relevant assumption must be defined for the All product level.
Market	Source market. Ranked input. Mandatory. Note that if the Market dimension is not visible in
	the model, any relevant assumption must be defined for the All market level.
Activity	Source activity. Ranked input. Mandatory. Note that if the Activity dimension is not visible in
	the model, any relevant assumption must be defined for the All activities level.
Project	Source project. Ranked input. Mandatory. Note that if the Project dimension is not visible in
	the model, any relevant assumption must be defined for the All projects level.
Measure	Source measure. Mandatory. Select from list.
Value	The value and the operator define how the amount of the target transaction will be calculated.
	In the example above, the amount of the target transaction will be 10% o
	Numeric value. Mandatory.
Operator	Select from list. Mandatory.
Condition	Optional. Special condition to apply when validating whether to execute the rule or not.



	 For example: Month() > 6 indicating that rule will be executed only for transactions with a transaction date with month number greater than 6 (June) CurrentPeriodValue() > 1000 indicating that rule will be executed if value currently processed is greater than 1000
	Operators: - Equality: == - Greater than or equal to: >= Greater than: > - Less than or equal to: <= Less than: < - Logical and: && - Logical or:
Account	Mandatory. The account that the target transaction will have.
Target department	Optional. Leave empty if target department should equal the source department. Select from drop down is target department should differ from source department
Comment	Optional comment.

Advanced – engine interface (optional)

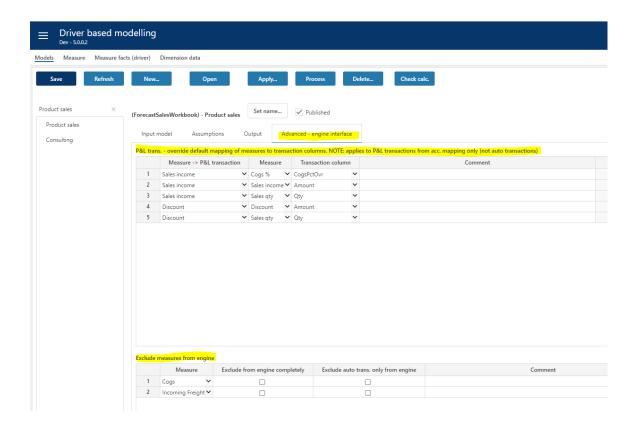
Please note that this is an advanced topic that requires in-depth knowledge of the Profitbase Planner financial engines.

All output transactions from the models (i.e. those mapped to an account plus those being produced by auto transaction) will be candidates for processing though the financial engines for balance and cash flow.

By default, all measure values are mapped to the Amount field of the transaction table. The transaction table does, however, contain several additional columns that may be desirable to use in certain circumstances to obtain a specific behavior from the financial engine.

At the same time, some output measures may not be desirable to send through the financial engines and should be explicitly excluded.

This can be done in the "Advanced – engine interface" tab (note: has no effect on what is displayed in the "Plan Overview" workbook):



Column	Description
Measure -> P&L transaction	Output P&L transaction stemming from the account mapping. Mandatory. Select from list.
Measure	Model measure to obtain value from. Mandatory. Select from list.
Transaction column	Transaction column to map measure value to. Mandatory. Select from list.
Comment	Optional comment.

Override default mapping of measures to transaction columns

In stead of the default mapping of measure value to transaction table Amount field, the mapping can explicitly set. As shown in the example above, for the output transaction of the Sales income measure:

- measure value from "Cogs %" is mapped to transaction column "CogsPctOvr"
- measure value from "Sales income" is mapped to transaction column "Amount"
- measure value from "Sales Qty" is mapped to transaction column "Qty"

The values are taken from the same model based on equality of dimensions and time.

Exclude measures from engine.

If certain output transactions are to be excluded from the financial engines altogether, this can be achieved in the "Exclude measures from engine" table.

Column	Description
Measure	Measure output from the model either though the account mapping or the auto transactions. Mandatory. Select from list.
Exclude from engine completely	Any output transaction for selected measure will be excluded (checked).
Exclude auto trans. only from engine	Optional selection to single out only auto transactions stemming from selected measure to be excluded from engine.
Comment	Optional comment.

6 Data management

Data management comprises of dimension management and source fact data management.

The driver based module uses the department, product, and market dimensions with the optional addition of extra dimensions supplier, project, activity, counterpart and dim1 to dim4.

The driver based source fact data contains the historical data per measure for relevant dimension combinations.

Dimensions

The dimensions available in the driver-based module are Product, Market, Supplier, Activity, Project, and dimensions D1 to Dim4.

Dimensions maintained in the Dimensions workbook, selecting the appropriate dimension:



Dimensions					profitba <u>se</u>
dit dimensions Group Account Mapping Time and	fiscal setup Workday calendar Elim. Leg	al Entity Mapping Setup			0 🕸
					Publish
PRODUCT	Q + 5∃ ↑↓ ⊕ 53	Properties	Table		
← Product					
Profitways DiVision Core		ld "	Product		
Profitways EDM ^a		Name *	Product		
Profitways OutBack					
~ Service					
Junior Consultant					
Project Manager					
Senior Consultant					
Test external					
Tests					
Trainee					

Note that dimensions in Planner are centrally managed (primary dimension) with the option of maintaining version specific copy using the solution picker.

Maintain as appropriate, save the changes, and then click the "Publish" button to publish. Note that when publishing a dimension, the target versions must be selected.

Source fact data

A simple input tool for maintaining historical data is available in the "Source fact data" workbook:

facts Measure fact data																				
									Dataset				Measure			Year			Month	_
Refresh			Amour	rts must be in functio	nal currency Da	Dataset and Measure filters must be set to enable save			Actual X			✓ SalesQty X					i ∨ July		l 🗠 🛛 ling	
t Me	sure facts. Wi	en pasting data, mai	e sure to use IC	s for all dimension co	lumnsl Note that editin	g can only be done to	neasures that h	we not been define	ed with a specific sou	rce.										
sartments		Source	Dataset	Departm.	Product	Market	Supplier	Project	Activity	Dimit	Dies2	Die	d Din4	Cp LegalExt	ity Measure	Value 0.9	Year yyyy Month 1-12			
stments	Dod		bol	Ref	loal	ball		Iol	Dat	(kal	Iol	bal	bal	Ref	bol		= =			
inup.	1		Actual	✓ Stavanger	 Profitways DiVision* 	European Union N	· ·	Project B	*	×	~	~	~	v .	 SalesQty 	✓ 100	2021 7			
ways Holding																				
AS																				

Select a value in the "Dataset" and "Measure" filter at the top and click the "Refresh" button to enable the save button.

Note that only measures that are set up without a specific "Hist. fact source" are available for input here, see <u>Define measures</u>. Measures with a specific "Hist. fact source" set can be viewed but not changed, they are sourced from the configured source.

Add new rows as needed or paste selection. When pasting data, make sure to paste dimension **ids**. A dropdown will evaluate the id against the corresponding dimension and render the dimension **description**. If no description is rendered, just the id, this indicates that the id does not exist in the dimension.

Column	Description
DepartmentID	Department id. Mandatory.
ProductID	Product id. Mandatory.
MarketID	Market id. Mandatory.
ProjectID	Project id. Optional. If no value is provided, the default value # is set
ActivityID	Market id. Optional. If no value is provided, the default value # is set
SupplierID	Supplier id. Optional. If no value is provided, the default value # is set
Dim1	Dim1 id. Optional. If no value is provided, the default value # is set
Dim2	Dim2 id. Optional. If no value is provided, the default value # is set
Dim3	Dim3 id. Optional. If no value is provided, the default value # is set
Dim4	Dim4 id. Optional. If no value is provided, the default value # is set
CPLegalEntityID	Counterpart legal entity id. Optional. If no value is provided, the default value # is set
Value	Numeric



Year yyyy	4-digit year, for example 2020. Mandatory
Month 1-12	Month number, 1-12. Mandatory

Department, Product, Market, Year and Month are mandatory columns.

Any amounts must be given in the home currency.

Value will default to 0 if no value is provided.

Dimension combinations found in the source and not in the input module for either the last 12 months actuals or any of the (optional) historical reference columns, will automatically be processed into the module on plan rollover.

The input models are updated by clicking the "Import.." button and selecting the appropriate model:

	22 50																				1ba <u>s</u>
onnel facts Measure fact (data																				0
									Dataset			Measure			Vear			Month			
Save Refresh			Amounts	s must be in functi	tional currency Dataset and Measure filters must be set to enable save				Actual $\qquad \times \mid \smallsetminus $			SalesQ	alesQty $ imes$ \sim					July	× ~		Import
artment	Measure	Messure facts. When posting data, make sure to use IDs for all dimension columnal Note that editing can only be done to messures that have not been defined with a specific source.																			
All Departments		Source	Dataset	Departm.	Product	Market	Supplier	Project		Activity	Di	m1	Dim2	Dim3		Dim4	Cp LegalEnti	ty Measure	Va	lue 09	Year y
All Departments		lol	Ind	lkal	bol	lol		bal	ba		at		ব	bal	ba		bat	Ival	=		=
ABC Group	1		Actual 🗸	Stavanger	 Profitways DiVisior 	European Union	~	Project B	~	~		~	`	•	~	`	· ·	* SalesQty	~	100	2
					The import operation w Select a model to limit t			No model selects	sd mean	s all models.											
					Model																

The input models can also be updated manually by clicking the "Apply..." button in the "Models" page of the "Driver based modelling" workbook.

