



GCP Engine Live DEMO

Agenda

- GCPE Area Menu
- Product Reporting
 - Structure of the product reporting
 - Product profitability
 - Details of the product profitability reporting
 - Navigation in the product profitability reporting
 - Production and components
 - Transfer and intercompany profit
 - Advanced reporting (Crystal Reports)
- Other Reporting Tools
 - Valuated BOM (bill of materials) (Graph)
 - ALV Browser for mass data analysis (Graph)
- Plan/Actual Comparison



GCP Area Menu

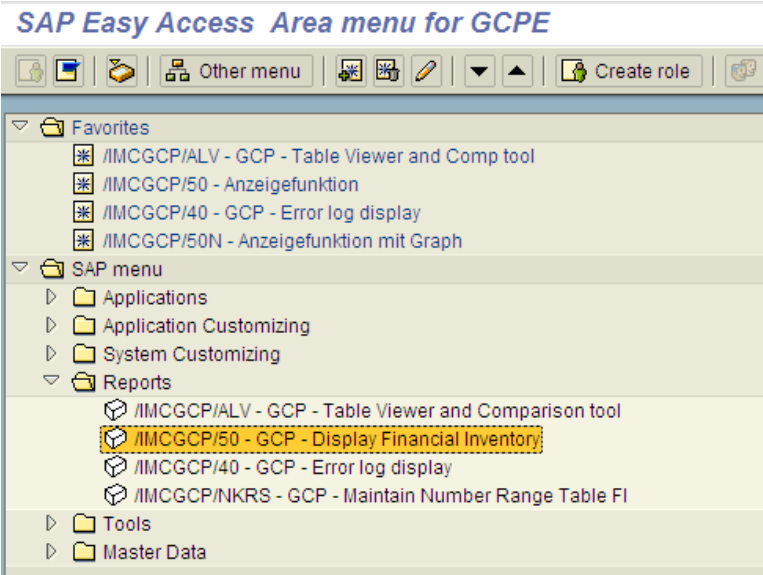
TA: /n/IMCGCP/GCP to open the area menu



The screenshot displays the SAP Easy Access interface for the GCP area. The title bar reads "SAP Easy Access Area menu for GCPE". The top toolbar includes icons for home, print, and other menu options, along with buttons for "Other menu", "Create role", "Assign users", and "Documentation". The left sidebar shows a tree view with "Favorites" and "SAP menu" sections. The "Favorites" section contains four items, with the last one, "/IMCGCP/50N - Anzeigefunktion mit Graph", selected and highlighted with a dashed border. The "SAP menu" section is expanded to show sub-menus: Applications, Application Customizing, System Customizing, Reports, Tools, and Master Data. The main content area on the right features a blue abstract background with the text "IM&C Namensraum „/IMCGCP/“" overlaid.

Structure of the product reporting

Costing Item = e.g. per plant, material or sales order item
Example: Material A in plant 4711



	<i>Beginning Balance</i>
+	Inflow (ext. / IC / production)
=	Precosting Balance
-	Outflow (ext. / IC / consum.)
=	<i>Ending balance</i>

	<i>Beginning Balance</i>
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	<i>Beginning Balance</i>
+	Inflow (ext. / IC / production)
=	Precosting Balance
-	Outflow (ext. / IC / consum.)
=	<i>Ending balance</i>

GCP Produktergebnisanzeige

- Refer to the live demonstration

Start from the finished material AIRBAG in plant 624A

Display Financial Items

Selection criteria	
Planning Version	TPL
Year	2010
Period	1
Organization unit	624A
Product Unit	AGIEEEAB7
Valuation Type	

Select the planning version, period and costing item to display.

Output medium and Layout	
Output medium	ALV control display
Layout	_FI
Display View	_TOTALS
Listvariant	/_MANUFACT

There are many different layouts, views and listvariants for the reporting depending on the scenario, e.g. production

Details of the product profitability reporting

Planning Version TPL Ausgeschn. Plan-Beispiel Anonym
 Posting Period 001.2010
 Organization unit 624A Werk Rhein Neckar
 Product Unit AGIEEEAB7
 Valuation type

Hierarchy	TType	Part. Item	Ord	GCP Qty	SQty	Unit	Stat. Val.	LC	HC	GC	LTC_S_FC
▼ = Beginning Balance						ST		EUR	EUR	EUR	
▼ + Production				514,000			31.390,19 EUR	EUR	EUR	EUR	30.912,13
▼ + P/01/50060299				514,000			31.390,19 EUR	EUR	EUR	EUR	30.912,13
▼ + E 000100948024				514,000			31.390,19 EUR	EUR	EUR	EUR	30.912,13
▼ + Production				514,000	514,000		6.724,26 EUR	EUR	EUR	EUR	6.724,26
P/01/50060299				514,000	514,000	ST	6.724,26 EUR	EUR	EUR	EUR	6.724,26
▼ + Production Material costs							24.665,93 EUR	EUR	EUR	EUR	24.187,87
P/01/50060299 M/624A/AFBD				2.056,000	2.056,000	ST	31,04 EUR	EUR	EUR	EUR	31,05
P/01/50060299 M/624A/AGFDFGIE0/	3400	M/624A/AGFDFGIE0/	E 000100948024	514,000	514,000	ST	3.078,86 EUR	EUR	EUR	EUR	3.078,86
P/01/50060299 M/624A/AGFDFGIE0/	3400	M/624A/AGFDFGIE0/	E 000100948024	514,000	514,000	ST	281,67 EUR	EUR	EUR	EUR	281,67
P/01/50060299 M/624A/AGFDFGIE0/	3400	M/624A/AGFDFGIE0/	E 000100948024	514,000	514,000	ST	282,65 EUR	EUR	EUR	EUR	282,65
P/01/50060299 M/624A/AGFDFGIE0/	3400	M/624A/AGFDFGIE0/	E 000100948024	514,000	514,000	ST	1.554,85 EUR	EUR	EUR	EUR	1.385,23
P/01/50060299 M/624A/AGFDFHJJ8/	3400	M/624A/AGFDFHJJ8/	E 000100948024	1.028,000	1.028,000	ST	32,90 EUR	EUR	EUR	EUR	32,90
P/01/50060299 M/624A/AGFDFJAE7/	3400	M/624A/AGFDFJAE7/	E 000100948024	514,000	514,000	ST	1.945,49 EUR	EUR	EUR	EUR	1.945,49
P/01/50060299 M/624A/AGIEEGFG8/	3400	M/624A/AGIEEGFG8/	E 000100948024	514,000	514,000	ST	11.179,50 EUR	EUR	EUR	EUR	11.179,50
P/01/50060299 M/624A/DDCEAGA6/	3400	M/624A/DDCEAGA6/	E 000100948024		15,420	M	1,28 EUR	EUR	EUR	EUR	1,26
P/01/50060299 M/624A/DDHEJF6/	3400	M/624A/DDHEJF6/	E 000100948024		35,980	M	1,75 EUR	EUR	EUR	EUR	1,72
P/01/50060299 M/624A/FFFGJAH6/	3400	M/624A/FFFGJAH6/	E 000100948024		514,000	ST	8,74 EUR	EUR	EUR	EUR	8,74
P/01/50060299 M/624A/FIIBIJ6/	3400	M/624A/FIIBIJ6/	E 000100948024		514,000	ST	47,80 EUR	EUR	EUR	EUR	47,80
P/01/50060299 M/624A/HIEGCIBA7/	3400	M/624A/HIEGCIBA7/	E 000100948024		514,000	ST	6.219,40 EUR	EUR	EUR	EUR	5.911,00
▼ = Precosting Balance				514,000	514,000		31.390,19 EUR	EUR	EUR	EUR	30.912,13
▼ - Sales external				444,000	444,000	ST	31.390,19 EUR	EUR	EUR	EUR	30.912,13
▼ - C/0000105159				444,000	444,000		36.558,96 EUR	EUR	EUR	EUR	26.702,31
▼ - Sales and Shipment ext.				444,000	444,000		36.558,96 EUR	EUR	EUR	EUR	26.702,31
C/0000105159	7100			444,000	444,000	ST	36.558,96 EUR	EUR	EUR	EUR	26.702,31
▼ = Ending Balance				70,000	70,000		4.274,91 EUR	EUR	EUR	EUR	4.209,82
				9000	70,000	ST	4.274,91 EUR	EUR	EUR	EUR	4.209,82

Number of the cost estimate

Work plan / bill of materials number

Production value adding activities

Production material costs

Customer number (ext., IC)

Navigation in the product profitability reporting

Display Single Items Original Doc.

Display agg. Financial Items

Display Partner Item

Switch to reporting of former period

Go to FI correction

Display mini-costing, e.g. goods in transit

Display supply chain graph

Switch to valuated BOM

You can navigate to the partner item by double clicking a line item

GCP - Display Financial Items (_FI- TOTALS- / _MANUFACT)

SI FI Partner Former Per Corr Mini BOM Legend Disp. Graph

Planning Version TPL Ausgeschn. Plan-Beispiel Anonym
 Posting Period 001.2010
 Organization unit 624A Werk Rhein Neckar
 Product Unit AGIEEAB7 FERT
 Valuation type

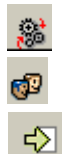
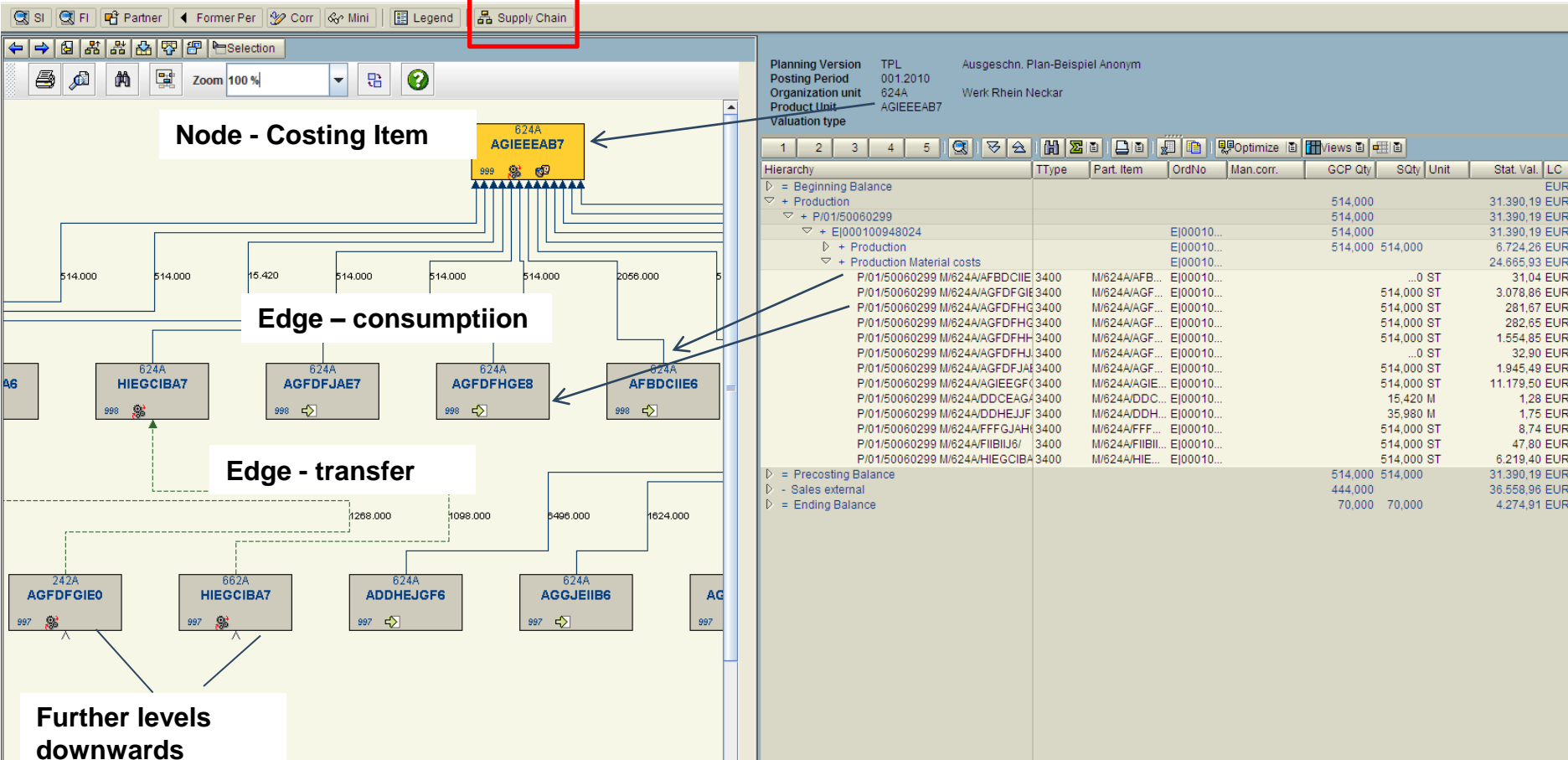
Hierarchy	TType	OrdNo	Man.corr.	GCP Qty	SQty	Unit	Stat. Val.	LC	HC	GC	LTC_S_FC	LVC_F_SUM	HTC_S_FC	HVC_F_SUM	GTC_S_FC
= Beginning Balance	1000							EUR	EUR	EUR					
+ Production				514,000		ST	31.390,19	EUR	EUR	EUR	30.912,13	27.794,92	30.912,13	27.794,92	27.911,63
+ P/01/50060299				514,000			31.390,19	EUR	EUR	EUR	30.912,13	27.794,92	30.912,13	27.794,92	27.911,63
+ E 000100948024		E 000100948024						EUR	EUR	EUR	30.912,13	27.794,92	30.912,13	27.794,92	27.911,63
+ Production	3200	E 000100948024						EUR	EUR	EUR	6.724,26	3.607,05	6.724,26	3.607,05	6.724,26
P/01/50060299	3200	E 000100948024						EUR	EUR	EUR	6.724,26	3.607,05	6.724,26	3.607,05	6.724,26
+ Production Material costs	3400	E 000100948024						EUR	EUR	EUR	24.187,87	24.187,87	24.187,87	24.187,87	21.187,37
P/01/50060299 M/624A/AFBDCIIE6/	3400	E 000100948024						EUR	EUR	EUR	31,05	31,05	31,05	31,05	31,05
P/01/50060299 M/624A/AGFDFGIE0/	3400	E 000100948024						EUR	EUR	EUR	3.078,86	3.078,86	3.078,86	3.078,86	2.705,45
P/01/50060299 M/624A/AGFDFHGE8/	3400	E 000100948024		514,000	ST	281,67	EUR	EUR	EUR	281,67	281,67	281,67	281,67	281,67	
P/01/50060299 M/624A/AGFDFHJ9/	3400	E 000100948024		514,000	ST	282,65	EUR	EUR	EUR	282,65	282,65	282,65	282,65	282,65	
P/01/50060299 M/624A/AGFDFHJ9/	3400	E 000100948024		514,000	ST	1.554,85	EUR	EUR	EUR	1.385,23	1.385,23	1.385,23	1.385,23	1.349,61	
P/01/50060299 M/624A/AGFDFHJ8/	3400	E 000100948024		1.028,000	ST	32,90	EUR	EUR	EUR	32,90	32,90	32,90	32,90	32,90	
P/01/50060299 M/624A/AGFDFJAE7/	3400	E 000100948024		514,000	ST	1.945,49	EUR	EUR	EUR	1.945,49	1.945,49	1.945,49	1.945,49	1.945,49	
P/01/50060299 M/624A/AGIEEGFG8/	3400	E 000100948024		514,000	ST	11.179,50	EUR	EUR	EUR	11.179,50	11.179,50	11.179,50	11.179,50	11.179,50	
P/01/50060299 M/624A/DDCEAGA6/	3400	E 000100948024		15,420	M	1,28	EUR	EUR	EUR	1,26	1,26	1,26	1,26	1,26	
P/01/50060299 M/624A/DDHEJF6/	3400	E 000100948024		35,980	M	1,75	EUR	EUR	EUR	1,72	1,72	1,72	1,72	1,72	
P/01/50060299 M/624A/FFFGJAH6/	3400	E 000100948024		514,000	ST	8,74	EUR	EUR	EUR	8,74	8,74	8,74	8,74	8,74	
P/01/50060299 M/624A/FIIBIJ6/	3400	E 000100948024		514,000	ST	47,80	EUR	EUR	EUR	47,80	47,80	47,80	47,80	47,80	
P/01/50060299 M/624A/HIEGCIBA7/	3400	E 000100948024		514,000	ST	6.219,40	EUR	EUR	EUR	5.911,00	5.911,00	5.911,00	5.911,00	3.319,53	
= Precosting Balance	6000			514,000	514,000		31.390,19	EUR	EUR	EUR	30.912,13	27.794,92	30.912,13	27.794,92	27.911,63
- Sales external				514,000	514,000	ST	31.390,19	EUR	EUR	EUR	30.912,13	27.794,92	30.912,13	27.794,92	27.911,63
- C 0000105159				444,000			36.558,96	EUR	EUR	EUR	26.702,31	24.009,62	26.702,31	24.009,62	24.110,44
- Sales and Shipment ext.	7100			444,000	444,000		36.558,96	EUR	EUR	EUR	26.702,31	24.009,62	26.702,31	24.009,62	24.110,44
C 0000105159	7100			444,000	444,000	ST	36.558,96	EUR	EUR	EUR	26.702,31	24.009,62	26.702,31	24.009,62	24.110,44
= Ending Balance	9000			70,000	70,000		4.274,91	EUR	EUR	EUR	4.209,82	3.785,30	4.209,82	3.785,30	3.801,19
	9000			70,000	70,000	ST	4.274,91	EUR	EUR	EUR	4.209,82	3.785,30	4.209,82	3.785,30	3.801,19

Production and components

- Production of the finished material (airbag)
- Production is divided into two parts (value adding activities and material costs)
- 13 components to produce the airbag
- High degree of intercompany revenue in one component (HIEGCIBA7)
- Detailed analysis of the intercompany profit of one component
- Intercompany profit results from a transfer from the plant in Bavaria

Visualization of the production

Display Financial Items (_FI - _TOTALS - / _MANUFACT



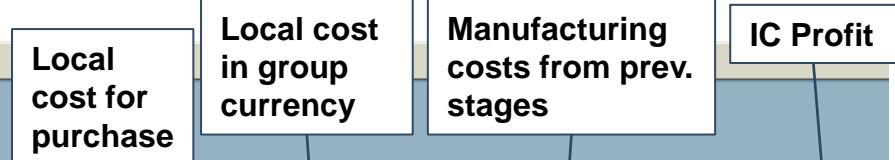
Production
Sales external
Purchase external

Transfer and intercompany profit (receiver)

Hierarchy	HVC_F_SUM	GTC_S_FC	GTCU_F_SUM	GTCL_F_SUM	GVC_S_VarC
▷ = Beginning Balance					
▷ + Production	27.794,92	27.911,63			
▷ + P/01/50060299	27.794,92	27.911,63			
▷ + E 000100948024	27.794,92	27.911,63			
▷ + Production	3.607,05	6.724,26		3.000,50	3.607,05
▷ + Production Material costs	24.187,87	21.187,37			20.160,31
P/01/50060299 M/624A/AFBDCIE6/	31,05	31,05			31,05
P/01/50060299 M/624A/AGFDGIE0/	3.078,86	2.705,45		373,41	2.448,80
P/01/50060299 M/624A/AGDFHGE8/	281,67	281,67			281,67
P/01/50060299 M/624A/AGDFHJG9/	282,65	282,65			282,65
P/01/50060299 M/624A/AGDFHJH9/	1.385,23	1.349,61		35,62	1.189,30
P/01/50060299 M/624A/AGDFHJJ8/	32,90	32,90			32,90
P/01/50060299 M/624A/AGDFJAE7/	1.945,49	1.945,49			1.945,49
P/01/50060299 M/624A/AGIEEGFG8/	11.179,50	11.179,50			11.179,50
P/01/50060299 M/624A/DDCEAGA6/	1,26	1,26			1,26
P/01/50060299 M/624A/DDHEJF6/	1,72	1,72			1,72
P/01/50060299 M/624A/FFFGJAH6/	8,74	8,74			8,74
P/01/50060299 M/624A/FIIBIJ6/	47,80	47,80			47,80
P/01/50060299 M/624A/HIEGCIBA7/	5.911,00	3.319,53		2.591,47	2.709,43
▷ = Precosting Balance	27.794,92	27.911,63		3.000,50	23.767,36

Display Financial Items (_FI_ _TOTALS_ / _MANUFACT)

Hierarchy	G	SQty	Unit	Stat. Val.	LC	HC	GC	LTC_S_FC	LVC_F_SUM	HTC_S_FC	HVC_F_SUM	GTC_S_FC	GTCU_F_SUM	GTCL_F_SUM
▷ = Beginning Balance					EUR	EUR	EUR							
▷ + Stock transfer / Transfer IC	000			13.285,80	EUR	EUR	EUR	12.627,00	12.627,00	12.627,00	12.627,00	7.091,13		5.535,87
▷ + E 000100871692	000			13.285,80	EUR	EUR	EUR	12.627,00	12.627,00	12.627,00	12.627,00	7.091,13		5.535,87
▷ + Transfer IC	000	1.098,000		13.285,80	EUR	EUR	EUR	12.627,00	12.627,00	12.627,00	12.627,00	7.091,13		5.535,87
T/662A/HIEGCIBA7/	000	1.098,000	ST	13.285,80	EUR	EUR	EUR	12.627,00	12.627,00	12.627,00	12.627,00	7.091,13		5.535,87
▷ = Precosting Balance	000	1.098,000		13.285,80	EUR	EUR	EUR	12.627,00	12.627,00	12.627,00	12.627,00	7.091,13		5.535,87
▷ - Consumption production	000			6.219,40	EUR	EUR	EUR	5.911,00	5.911,00	5.911,00	5.911,00	3.319,53		2.591,47
▷ = Ending Balance	000	584,000		7.066,40	EUR	EUR	EUR	6.716,00	6.716,00	6.716,00	6.716,00	3.771,60		2.944,40



Transfer from 662A to 624A

Transfer and intercompany profit (sender)

Hierarchy	GTCU_F_SUM	GTP_S_NetS	GTCI_F_SUM	GTC_S_FC	GT_F_Prof	GV_F_Prof	GT_F_CrPro	GVC_S_VarC	GV_F_CrPro
= Beginning Balance									
+ Production				17.172,42	17.172,42-	14.016,25-	17.172,42-	14.016,25	14.016,25-
+ P/01/50039850				17.172,42	17.172,42-	14.016,25-	17.172,42-	14.016,25	14.016,25-
+ E 000100825028				17.172,42	17.172,42-	14.016,25-	17.172,42-	14.016,25	14.016,25-
= Precosting Balance				17.172,42	17.172,42-	14.016,25-	17.172,42-	14.016,25	14.016,25-
- Sales IC		12.627,00		7.091,13	5.535,87	6.839,16	5.535,87	5.787,84	6.839,16
- E 000100871692		12.627,00		7.091,13	5.535,87	6.839,16	5.535,87	5.787,84	6.839,16
- Shipment IC confirmed		12.627,00		7.091,13	5.535,87	6.839,16	5.535,87	5.787,84	6.839,16
T/624A/HIEGCIBA7/		12.627,00		7.091,13	5.535,87	6.839,16	5.535,87	5.787,84	6.839,16
- Adjustment EB				26.840,38-	26.840,38	21.907,31	26.840,38	21.907,31-	21.907,31
- Balances EB		47.794,00		26.840,38	20.953,62	25.886,69	20.953,62	21.907,31	25.886,69
= Ending Balance				10.081,29	10.081,29-	8.228,41-	10.081,29-	8.228,41	8.228,41-

Profit of stage

= Net sales – Sales OH – local manufact. cost.

Cross profit

= IC prof from prev stages + profit of stage

Global contrib. margin

= Net sales – Sales OH – Glob. variable manuf. costs

Advanced reporting with Crystal Reports – Profitability Analysis



Product Contribution Margin



Printed on: 24.11.2010 Last change: 12.11.2010

Description of the report:

Product Profitability and Product Contribution Margin (Scheme)

Version: TPL Plant: 624A
 Year: 2010 Material: AGIEEEAB7
 Period: 001

Sold quantity (ST)	444,00	
	historic (EUR)	global (EUR)
Gross revenue	36.558,96	36.558,96
- Deductions	0,00	0,00
= Net sales	36.558,96	36.558,96
- Variable manufacturing costs	23.739,71	20.132,86
- Variable cost of sales	0,00	0,00
= Contribution margin 1	12.819,25	16.426,10
- Fixed manufacturing costs	2.363,07	3.125,76
- Fixed cost of sales	0,00	0,00
= Contribution margin 2	10.456,18	13.300,34
- Fixed overhead	329,62	454,11
- Variable overhead	269,91	397,71
= Profit (EBIT) global	9.856,65	12.448,52
- Intercompany profit	0,00	2.591,87
= Profit (EBIT) local	9.856,65	9.856,65

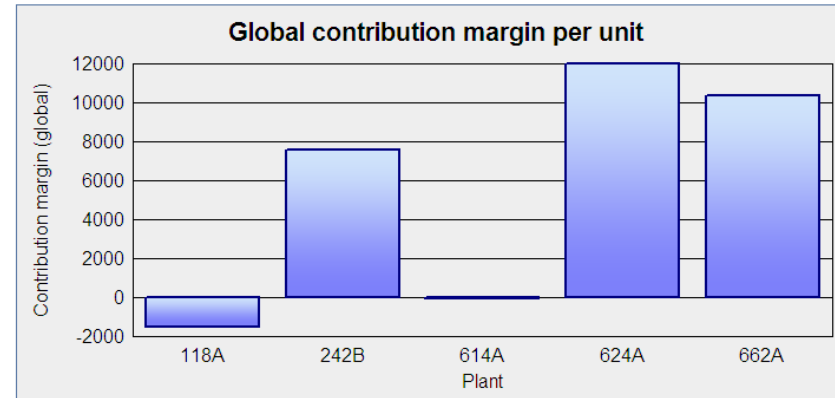
Example of a profitability analysis



Printed: 13.12.2010 Last Change: 24.11.2010

Description of the report:

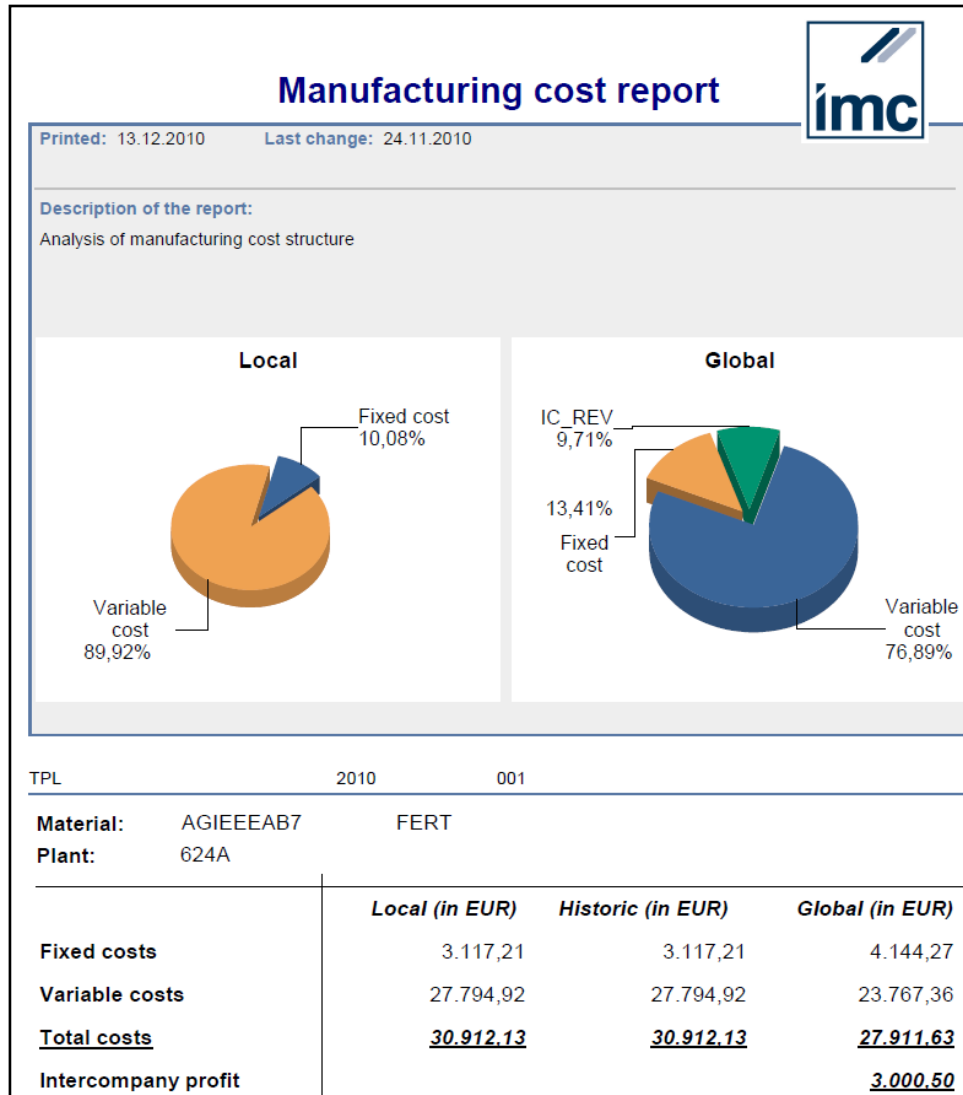
Global profit and performance overview per plant



Total profitability (in EUR)

Net sales:	151.846,76	
Sales overhead:	-920,75	
Local variable costs:	120.477,46	CM local: <u>30.448,55</u>
Global variable costs:	112.833,87	CM global: <u>38.092,14</u>
Local total costs:	128.241,66	Profit local: <u>22.684,35</u>
Global total costs:	122.094,64	Profit global: <u>28.831,37</u>
Included intercompany profit:	6.147,02	

Crystal Reports - manufacturing costs report



Valuated bill of materials (BOM) – ALV Tree

- Globally connected bill of materials with variable lot size
- Discloses the quantity **and** besides the historic and global valuation of the subsequent materials
- Enables different analysis

GCP - Display Financial Items (_FI - _TOTALS - /VR)

Finished material. Lot size 10 pieces

Proportionalization of quantities and values TopDown

Hierarchy	TType	OrdNo	Man.corr.	GCP Qty	SQty	Unit	Stat. Val.	GC	GTC_S_FC	GTCU_F_SUM	GTCL_F_SUM	GVC_S_VarC
624A AGIEEEAB7									543,02			462,39
+ Production P/01/50060299 E 000100948024		E 000100948024		10,000				EUR	543,02			462,39
+ Production	3200	E 000100948024		10,000	10,000			EUR	130,82			70,18
+ Production Material costs	3400	E 000100948024						EUR	143,48			123,49
624A AGDFDGIE0	3400	E 000100948024			10,000	ST		EUR	52,64			47,64
624A AGDFDHHJ9	3400	E 000100948024			10,000	ST		EUR	26,25			23,13
624A HIEGCIBA7	3400	E 000100948024			10,000	ST		EUR	64,59			52,72
+ Production extern Material costs	3400	E 000100948024						EUR	268,72			268,72
624A AFBDCIIE6	3400	E 000100948024			40,000	ST		EUR	0,60			0,60
624A AGDFDHGE8	3400	E 000100948024			10,000	ST		EUR	5,48			5,48
624A AGDFDHGJ9	3400	E 000100948024			10,000	ST		EUR	5,50			5,50
624A AGDFDHJJ8	3400	E 000100948024			20,000	ST		EUR	0,64			0,64
624A AGDFDJAE7	3400	E 000100948024			10,000	ST		EUR	37,85			37,85
624A AGIEEGFG8	3400	E 000100948024			10,000	ST		EUR	217,50			217,50
624A DDCEAGA6	3400	E 000100948024			0,300	M		EUR	0,02			0,02
624A DDHEJUF6	3400	E 000100948024			0,700	M		EUR	0,03			0,03
624A FFFGJAH6	3400	E 000100948024			10,000	ST		EUR	0,17			0,17
624A FIIBIJ6	3400	E 000100948024			10,000	ST		EUR	0,93			0,93

Valuated bill of materials (BOM) – ALV Grid

Analysis with (intermediate) sums

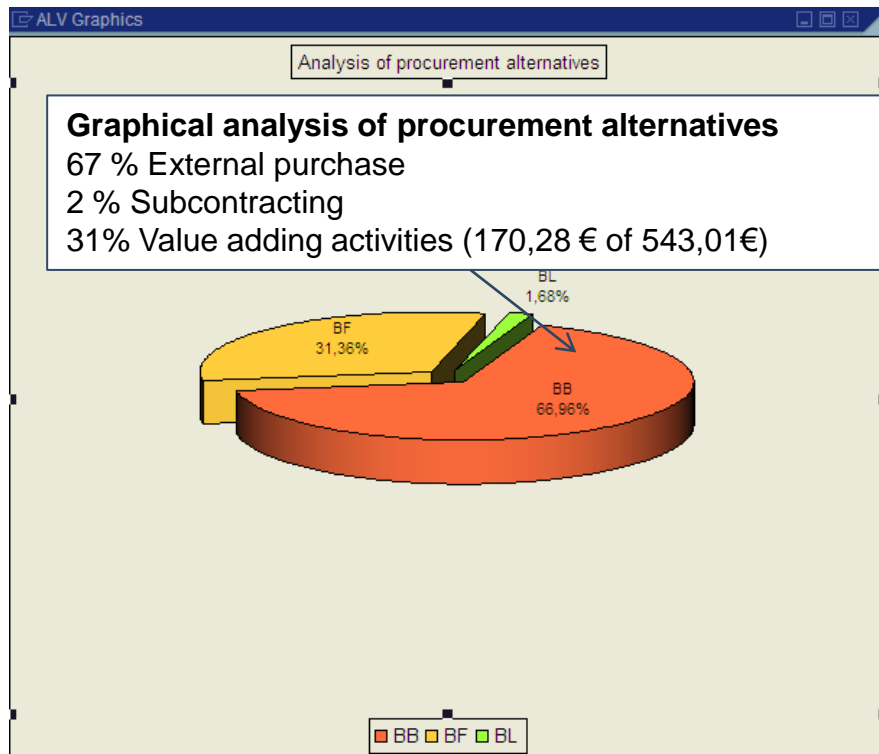
Graphical analysis (standard)

Details://MCGCP/PI - (MB_FI_SI - _TOTALS -) - 143 Rec.

PlanVer	Year	Period	OrgUnit	Product Unit	ValT	TT type	Partner Item	Detailkey	Product Co	Man.corr.	GCP ...	BUn	HC	GC	GVPI_ICR...	SQty	Stat. Val.	In...	L. cost...	PCat	Crncy	Seq rel.	HTC_S_FC	GTC_S_FC
999	TPL	2010	1	624A	AGIEEEAB7	3200		P/01/50060299	E 000100948024		514	ST	EUR	EUR		514	6.724,26			BF	EUR		6.724,26	6.724,26
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/AFBDCIIE6/	P/01/50060299	E 000100948024			ST	EUR	EUR		2.056	31,04			VF	EUR	X		
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/AGFDFGIE0/	P/01/50060299	E 000100948024			ST	EUR	EUR	373,41	514	3.078,86			VF	EUR	X		
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/AGDFFHGE8/	P/01/50060299	E 000100948024			ST	EUR	EUR		514	281,67			VF	EUR	X		
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/AGDFFHGJ9/	P/01/50060299	E 000100948024			ST	EUR	EUR		514	282,65			VF	EUR	X		
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/AGDFFHJ9/	P/01/50060299	E 000100948024			ST	EUR	EUR	35,62	514	1.554,85			VF	EUR	X		
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/AGDFHJJ8/	P/01/50060299	E 000100948024			ST	EUR	EUR		1.028	32,90			VF	EUR	X		
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/AGDFJAE7/	P/01/50060299	E 000100948024			ST	EUR	EUR		514	1.945,49			VF	EUR	X		
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/AGIEEGFG8/	P/01/50060299	E 000100948024			ST	EUR	EUR		514	11.179,50			VF	EUR	X	11.179,50	11.179,50
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/DDCEAGA6/	P/01/50060299	E 000100948024			M	EUR	EUR		15,420	1,28			VF	EUR	X		
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/DDHEJF6/	P/01/50060299	E 000100948024			M	EUR	EUR		35,980	1,75			VF	EUR	X		
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/FFFGJAH6/	P/01/50060299	E 000100948024			ST	EUR	EUR		514	8,74			VF	EUR	X		
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/FIIBIJ6/	P/01/50060299	E 000100948024			ST	EUR	EUR		514	47,80			VF	EUR	X		
	TPL	2010	1	624A	AGIEEEAB7	3400	M/624A/HIEGCIBA7/	P/01/50060299	E 000100948024			ST	EUR	EUR	2.591,47	514	6.219,40			VF	EUR	X		
998	TPL	2010	1	624A	AFBDCIIE6	3100		V	E 000100562184		2.056	ST	EUR	EUR		2.056	31,05			BB	EUR		31,05	31,05
	TPL	2010	1	624A	AGDFDGIE0	5100	T/242A/AGDFDGIE0/		E 000100871932		514	ST	EUR	EUR	2.285,50	514	3.078,86			BU	EUR	X	3.078,86	793,35
	TPL	2010	1	624A	AGDFFHGE8	3100		V	E 000100838148		514	ST	EUR	EUR		514	281,67			BB	EUR		281,67	281,67
	TPL	2010	1	624A	AGDFFHGJ9	3100		V	E 000100889954		514	ST	EUR	EUR		514	282,65			BB	EUR		282,65	282,65
	TPL	2010	1	624A	AGDFFHJ9	3250		V/0000209608	E 000101011000		514	ST	EUR	EUR		514	467,74			BL	EUR		467,74	467,74
	TPL	2010	1	624A	AGDFFHJ9	3450	M/624A/ADDHEJGE6/	V/0000209608	E 000101011000			ST	EUR	EUR		1.542	218,96			VL	EUR	X	218,96	218,96
	TPL	2010	1	624A	AGDFFHJ9	3450	M/624A/ADDHEJGF6/	V/0000209608	E 000101011000			ST	EUR	EUR		2.056	37,01			VL	EUR	X		
	TPL	2010	1	624A	AGDFFHJ9	3450	M/624A/AGDFFHHE1/	V/0000209608	E 000101011000			ST	EUR	EUR	35,62	514	729,88			VL	EUR	X		
	TPL	2010	1	624A	AGDFFHJ9	3450	M/624A/AGGJEIIB6/	V/0000209608	E 000101011000			ST	EUR	EUR		514	101,26			VL	EUR	X	101,26	101,26
	TPL	2010	1	624A	AGDFHJAE7	3100		V	E 000100889956		1.028	ST	EUR	EUR		1.028	32,90			BB	EUR		32,90	32,90
	TPL	2010	1	624A	AGDFJAE7	3100		V	E 000100838152		514	ST	EUR	EUR		514	1.945,49			BB	EUR		1.945,49	1.945,49
	TPL	2010	1	624A	AGIEEGFG8	3100		V	E 000100878772		514	ST	EUR	EUR		514	11.179,50			BB	EUR		11.179,50	11.179,50
	TPL	2010	1	624A	DDCEAGA6	3100		V	E 000100562750		15,420	M	EUR	EUR		15,420	1,26			BB	EUR		1,26	1,26
	TPL	2010	1	624A	DDHEJF6	3100		V	E 000100562772		35,980	M	EUR	EUR		35,980	1,72			BB	EUR		1,72	1,72
	TPL	2010	1	624A	FFFGJAH6	3100		V	E 000100561146		514	ST	EUR	EUR		514	8,74			BB	EUR		8,74	8,74
	TPL	2010	1	624A	FIIBIJ6	3100		V	E 000100559966		514	ST	EUR	EUR		514	47,80			BB	EUR		47,80	47,80
	TPL	2010	1	624A	HIEGCIBA7	5100	T/662A/HIEGCIBA7/		E 000100871692		514	ST	EUR	EUR	5.911,00	514	6.219,40			BU	EUR	X	5.911,00	
997	TPL	2010	1	242A	AGDFDGIE0	3200		P/01/50048553	E 000100871594		514	ST	EUR	EUR		514	3.272,53			BF	PLN		793,35	793,35

Data template for Crystal Reports

Valuated BOM – Analysis of procurement alternatives



Disadvantage

- Graph cannot be saved
- Only restricted formatting
- Depending on the listvariant

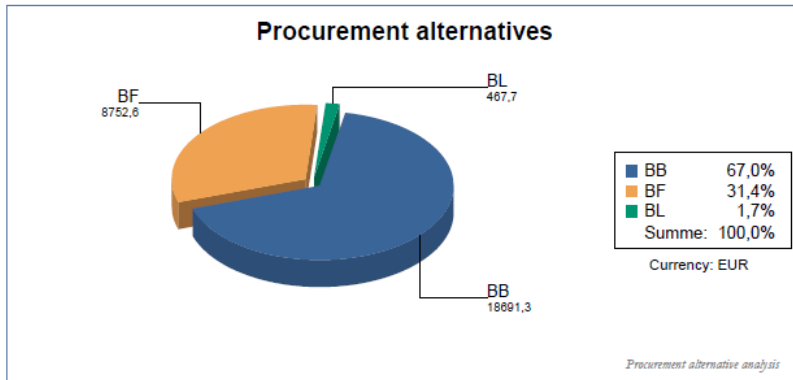
Valuated BOM – Analysis of procurement alternatives (Crystal)

Analysis of procurement alternatives



Printed: 25.11.2010 Last change: 25.11.2010

Description:
Procurement alternatives and ratio of value added activities



Group sums

External Purchase BB

Sum for BB: 18.691,35 €

Value Adding ActivBF

Sum for BF: 8.752,57 €

Subcontracting BL

Sum for BL: 467,74 €

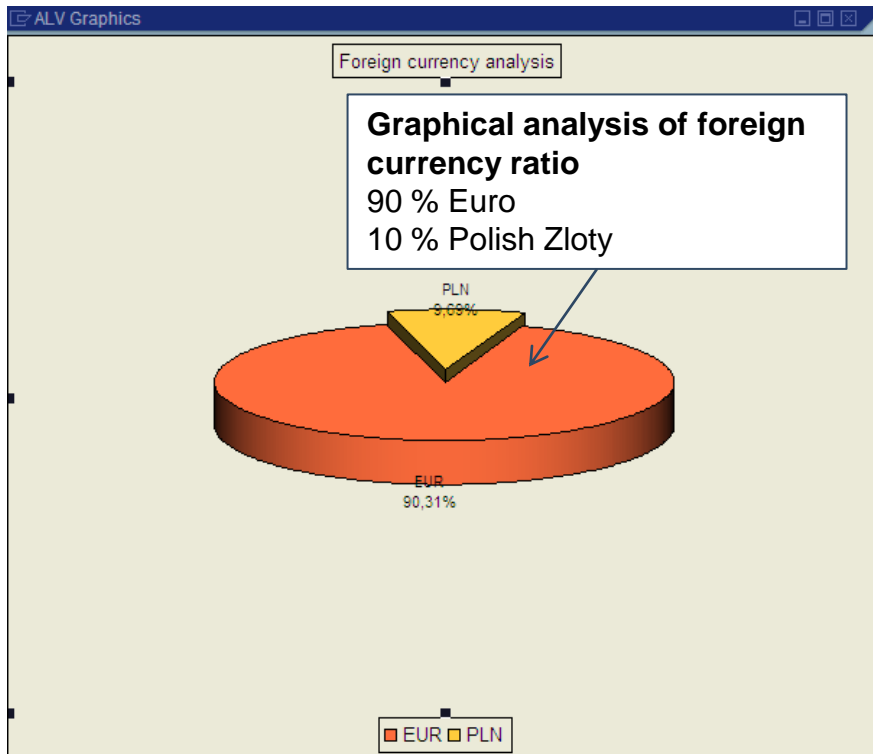
Total: 27.911,66 €

Advantage

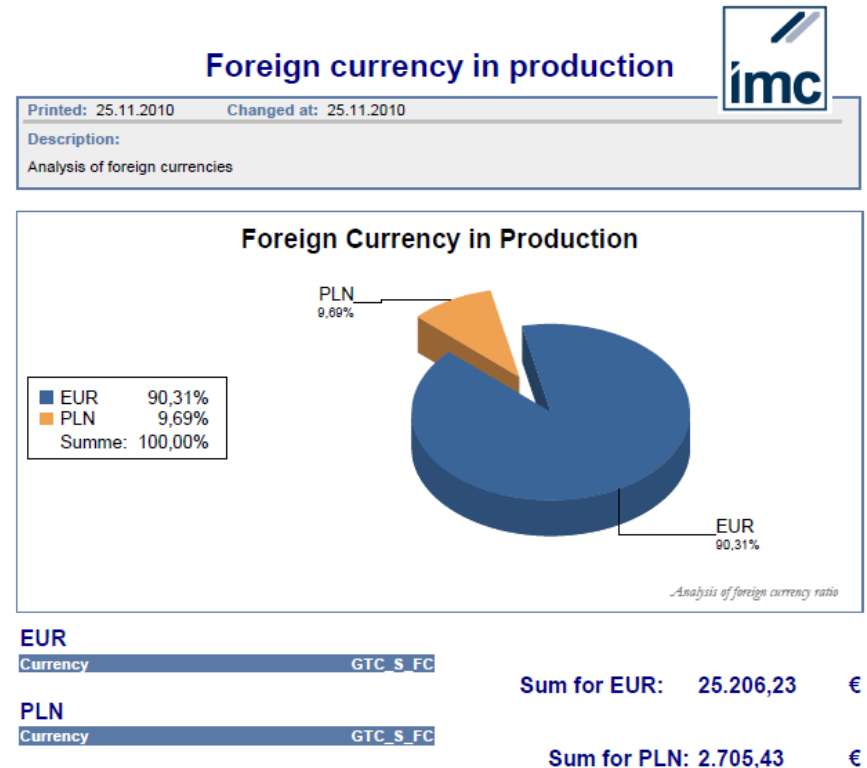
- Flexible report design
- Documents can be distributed in pdf or rpt
- Integrated drill down

Valuated BOM – Analysis of foreign currencies

ALV Grid



Crystal Reports



ALV Browser for mass data analysis

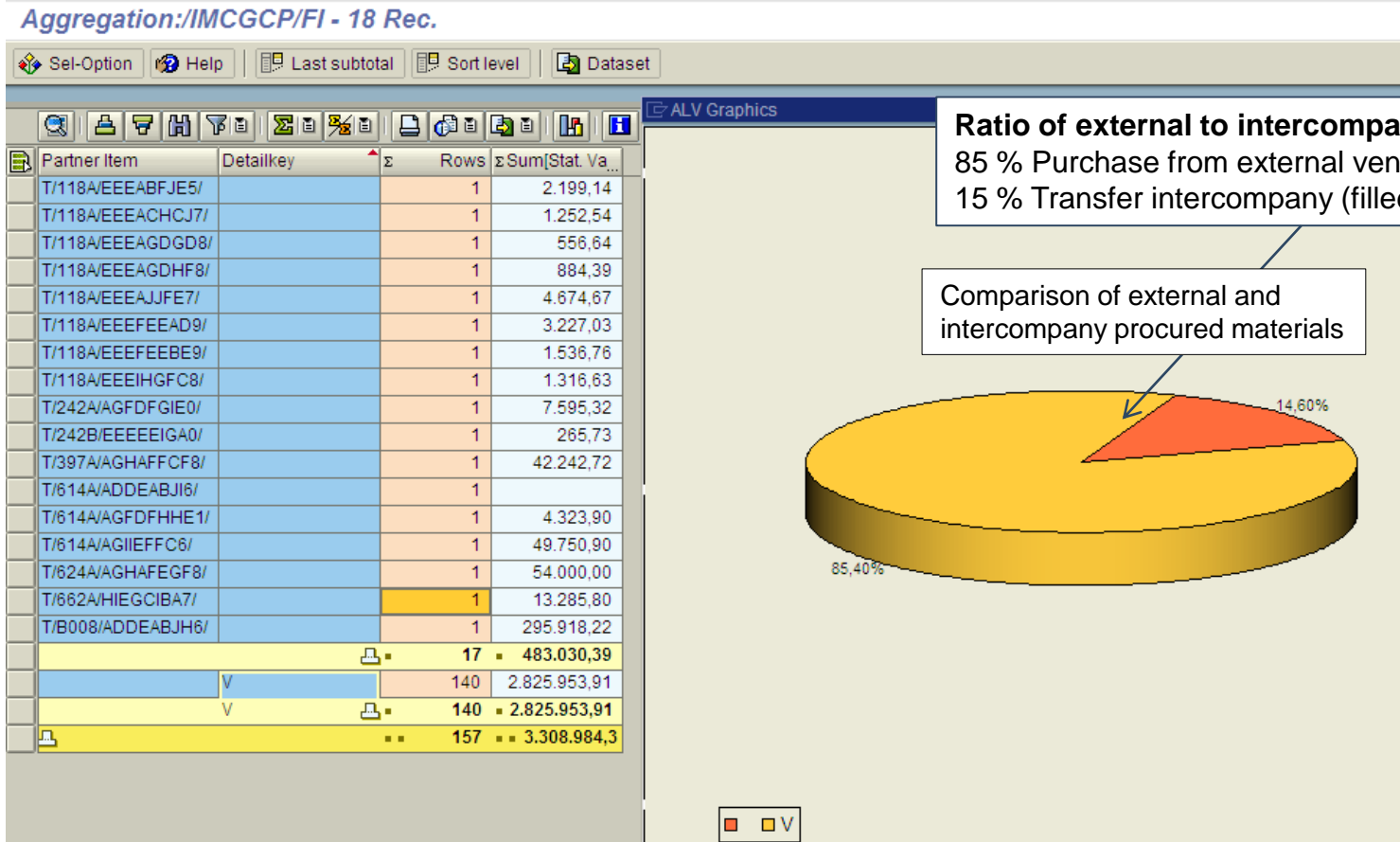
- Analysis of mass data with the help of (intermediate) sums, sort and a set of variable formulas with and without aggregation
- Example: Analysis of profit per customer:

Details://MCGCP/FI - (_FI - _TOTALS - /_PROFIT) - 20 Rec.

OrgUnit	Product Unit	ValT	TType	Part. Item	Detailkey	OrdNo	Man. corr.	HV_F_Prof	Net sales global	GTPU_F_S	GTC_S_FC	GTCU_F_SUM	GTCI_F_SUM	Global profit	GV_F_Prof	GT_F_CrProf	GVC_S_VarC	GV_F_CrProf
118A	DDEFEEEF7		7100		C/0000106783			9,50-	151,50		161,00			9,50-	9,50-	9,50-	161,00	9,50-
					C/0000113754				2.898,00		2.898,00						2.898,00	
			7100					9,50-	3.049,50		3.059,00			9,50-	9,50-	9,50-	3.059,00	9,50-
								9,50-	3.049,50		3.059,00			9,50-	9,50-	9,50-	3.059,00	9,50-
	DDEFEEEF7							9,50-	3.049,50		3.059,00			9,50-	9,50-	9,50-	3.059,00	9,50-
	DDEFEFGA6		7100		C/0000106783			2.600,00-	10.600,00		13.200,00			2.600,00-	2.600,00-	2.600,00-	13.200,00	2.600,00-
			7100					2.600,00-	10.600,00		13.200,00			2.600,00-	2.600,00-	2.600,00-	13.200,00	2.600,00-
								2.600,00-	10.600,00		13.200,00			2.600,00-	2.600,00-	2.600,00-	13.200,00	2.600,00-
	DDEFEFGA6							2.600,00-	10.600,00		13.200,00			2.600,00-	2.600,00-	2.600,00-	13.200,00	2.600,00-
	EEEEAJFE7		7100		C/0000105612			496,34	1.872,00		1.648,66			223,34	496,34	223,34	1.375,66	496,34
			7100					496,34	1.872,00		1.648,66			223,34	496,34	223,34	1.375,66	496,34
								496,34	1.872,00		1.648,66			223,34	496,34	223,34	1.375,66	496,34
	EEEEAJFE7							496,34	1.872,00		1.648,66			223,34	496,34	223,34	1.375,66	496,34
	EEEFEEAD9		7100		C/0000105612			6,72	806,40		972,48			166,08-	6,72	166,08-	799,68	6,72
					C/0000109433			473,40	640,00		202,60			437,40	473,40	437,40	166,60	473,40
					C/0000111288			84,70	168,00		101,30			66,70	84,70	66,70	83,30	84,70
					C/0000113941			94,68	128,00		40,52			87,48	94,68	87,48	33,32	94,68
			7100					659,50	1.742,40		1.316,90			425,50	659,50	425,50	1.082,90	659,50
								659,50	1.742,40		1.316,90			425,50	659,50	425,50	1.082,90	659,50
	EEEFEEAD9							659,50	1.742,40		1.316,90			425,50	659,50	425,50	1.082,90	659,50

ALV Browser for mass data analysis

- Example: Analysis of the ratio external to intercompany vendors



Plan/Actual comparison

- Example material with beginning balance in the plan version

Planning Version TPA Ausgeschnittene Plan-Beispiele mit AB
 Posting Period 001.2010
 Organization unit 624A Werk Rhein Neckar
 Product Unit AGIEEEAB7 FERT
 Valuation type

Hierarchy	TType	OrdNo	Man.corr.	GCP Qty	SQty	Unit	Stat. Val.	LC	LTC_S_FC	LTC_F_PU
▷ = Beginning Balance	1000							EUR		
▷ + Balances PB				35,000			2.132,18 EUR		2.132,18	60,92
▷ + Production				479,000			29.252,72 EUR		28.614,76	59,74
▷ = Precosting Balance	6000			514,000	514,000		31.384,90 EUR		30.746,94	59,82
▷ - Sales external				444,000			36.558,96 EUR		26.559,61	59,82
▷ = Ending Balance	9000			70,000	70,000		4.274,91 EUR		4.187,33	59,82

Sum of local cost

Local cost per unit

- Example material with beginning balance in the actual version

Planning Version TR3 Ausgeschnittene Ist-Beispiele
 Posting Period 001.2010
 Organization unit 624A Werk Rhein Neckar
 Product Unit AGIEEEAB7 FERT
 Valuation type

Hierarchy	TType	OrdNo	Man.corr.	GCP Qty	SQty	Unit	Stat. Val.	LC	LTC_S_FC	LTC_F_PU
▷ = Beginning Balance	1000							EUR		
▷ + Balances PB				35,000			2.132,18 EUR		2.132,18	60,92
▷ + Production				480,000			29.303,47 EUR		28.744,76	59,82
▷ = Precosting Balance	6000			515,000	515,000		31.435,65 EUR		30.876,94	59,96
▷ - Sales external				444,000			63.674,04 EUR		26.620,12	59,96
▷ - Adjustment EB				1,000			61,07 EUR		59,96	59,96
▷ = Ending Balance	9000			70,000	70,000		4.274,91 EUR		4.196,87	59,96

Price according to Precosting Balance (weighted price of procurement alternatives)

Plan/Actual comparison

- Example material without beginning balance in the plan version

Planning Version TPL Ausgeschn. Plan-Beispiel Anonym Posting Period 001.2010 Organization unit 624A Werk Rhein Neckar Product Unit AGIEEEAB7 FERT Valuation type										
Hierarchy	TType	OrdNo	Man.corr.	GCP Qty	SQty	Unit	Stat. Val.	LC	LTC_S_FC	LTC_F_PU
▷ = Beginning Balance	1000							EUR		
▷ + Production				514,000			31.390,19 EUR		30.912,13	60,14
▷ = Precosting Balance	6000			514,000	514,000		31.390,19 EUR		30.912,13	60,14
▷ - Sales external				444,000			36.558,96 EUR		26.702,31	60,14
▷ = Ending Balance	9000			70,000	70,000		4.274,91 EUR		4.209,82	60,14

- Example material with beginning balance in the actual version

Planning Version TR3 Ausgeschnittene Ist-Beispiele Posting Period 001.2010 Organization unit 624A Werk Rhein Neckar Product Unit AGIEEEAB7 FERT Valuation type										
Hierarchy	TType	OrdNo	Man.corr.	GCP Qty	SQty	Unit	Stat. Val.	LC	LTC_S_FC	LTC_F_PU
▷ = Beginning Balance	1000							EUR		
▷ + Balances PB				35,000			2.132,18 EUR		2.132,18	60,92
▷ + Production				480,000			29.303,47 EUR		28.744,76	59,96
▷ = Precosting Balance	6000			515,000	515,000		31.435,65 EUR		30.876,94	59,96
▷ - Sales external				444,000			63.674,04 EUR		26.620,12	59,96
▷ - Adjustment EB				1,000			61,07 EUR		59,96	59,96
▷ = Ending Balance	9000			70,000	70,000		4.274,91 EUR		4.196,87	59,96

The difference between plan w/o beginning balance and actual is bigger, because currency- and price changes from former periods are not considered

Comparison of purchasing prices (plan to actual)

- Compare function of ALV Browser

PlanVer	Year	Period	OrgUnit	Product Unit	ValT	PCat	Σ	GCP Qty	Σ[GCP Qty]	BUn	Σ	Stat. Val.	LC	LTC_F_PU	LTC_F_PU_C	DALTC_F_PU	DPLTC_F_PU	
TPA	2010	1	624A	AFBDCIIE6		BB		2.037	360.000	ST		30,76	EUR	0,02	0,02		1,04	
TPA	2010	1	118A	DDEEECGC6		BB			4.746	KG			EUR					
TPA	2010	1	118A	DDEFEEEF7		BB	614,151	1.000	1.000	KG	1.977,57	EUR	3,22	3,22				
TPA	2010	1	118A	DGEEEFEE7		BB	14.269,180	49.275	49.275	M	68,49	EUR						
TPA	2010	1	624A	ADDHECGA6		BB	7,033	12	12	KG	1.803,40	EUR	256,42	256,42				
TPA	2010	1	624A	AEGFJGF6		BB		30.000	30.000	ST		EUR		0,04	0,04			
TPA	2010	1	624A	AGFDFHGE8		BB	1.430	6.400	6.400	ST	783,64	EUR	0,55	0,55				
TPA	2010	1	624A	AGFDFJAE7		BB	437	5.400	5.400	ST	1.654,05	EUR	3,79	3,79				
TPA	2010	1	624A	AGGJEIIB6		BB		2.575	2.575	ST		EUR		0,20	0,20			
TPA	2010	1	624A	AGIEEGFG8		BB	493	1.736	1.736	ST	10.722,75	EUR	21,75	21,75				
TPA	2010	1	624A	DDCEAGA6		BB	7.352,310	7.500	7.500	M	602,89	EUR	0,08	0,08				
TPA	2010	1	624A	FFFGJAH6		BB	23.463	55.000	55.000	ST	398,87	EUR	0,02	0,02				
TPA	2010	1	624A	FIIBIJ6		BB	12.787	20.000	20.000	ST	1.189,19	EUR	0,09	0,09				
TPA	2010	1	624A	HEHGDDDI6		BB	8.734	20.000	20.000	ST	48,91	EUR	0,01	0,01				
TPA	2010	1	624A	AGFDFJAJ6		BB	2.081,935	3.800	3.800	M	414,93	EUR	0,20	0,20			0,03-	
TPA	2010	1	624A	AGFDFHJ9		BB	313	5.280	5.280	ST	172,12	EUR	0,55	0,54	0,01-		1,51-	
TPA	2010	1	624A	AGFDFIIF9		BB	39.514	50.780	50.780	ST	928,58	EUR	0,02	0,02			2,13-	
TPA	2010	1	624A	LADDECJHG6		BB	3.367	9.000	9.000	ST	1.560,60	EUR	0,46	0,28	0,18-		39,59-	
TPA	2010	1	624A	ADDHECGJ6		BB	181,344	216	216	KG	14.803,11	EUR	81,63	40,82	40,81-		50,00-	
TPA	2010	1	624A	AGGIHJG6		BB	134	1.399	1.399	ST	10.169,80	EUR	75,89	36,02	39,87-		52,54-	
TPA	2010	1	118A	DDEFEFGA6		BB	2.084,296	6.000	6.000	KG	13.756,35	EUR	6,60	2,20	4,40-		66,67-	
TPA	2010	1	118A	DDEEECHD6		BB	3.342,735	11.248	11.248	KG	3.493,16	EUR	1,05		1,05-		100,00-	
TPA	2010	1	118A	DDEFEEEC7		BB	225,587	19.000	19.000								2,67-	100,00-
TPA	2010	1	118A	DDEFEEIE6		BB	272,799	3.000	3.000								1,95-	100,00-
								6.727,945	45.222									
								23.703,425	60.575									
								92.709	567.570									

The result of the compare function is a hitlist sorted by the highest differences either in % or absolute

The end

