

Functional Documentation - IMEP

1.0 Overview

Business Context and Application Overview

The IMEP (Integrated Manufacturing & Energy Performance) application is under the finance domain using data from SAP CO (Controlling) to provides to the business the possibility to analyze the production's target cost, actual cost, the variance for each cost item in process order and the cost collector.

Application User Profile

For this Application the access is provided based on the BW menu "IMEP - Integrated Manufacturing & Energy Performance" and it's done via Service one.

Fill the form
<https://solvay-dwp.onbmc.com/dwp/app/#/itemprofile/622>

In SAP system select the "WBP - BW Business Warehouse"

In WBP - BW Business Warehouse : Select the Business Role select the "IMEP - Integrated Manufacturing & Energy Performance"

Target Users:

GBU Controllers, Site Controllers, Plant Management and Industrial & Strategy RD&T.

VERSION	DATE	MODIFIED BY	DESCRIPTION
0.01	09.10.2023	Inês Vilarés	Initial draft

Application Type

Data Product Type

☐ Dashboard

☒ Report

☐ Advanced analytics

☐ AI

☐ Others <specify which one>

Technologies

☒ BW

☐ Tableau

☐ QlikSense

☐ Talend

☐ Dataiku

☐ Others <specify which one>

Data Sources

Note: list of all applications and various environment

☒ SAP PF1 (Production environment)

☒ SAP WP1

☐ SAP PI1

☐ iCare CRM

☐ CORE CRM

☒ Budget (Excel)

☐ Others <specify the name of the source>

2.0 Business Process

To understand better the main goal for the IMEP application it's necessary to know some concepts from the SAP CO module for the product costs.

Below you can see that for each system we have main differences coming from Costing Methodology:

WP1	PF1
Actual production costs = Actual quantities at standard costs Specific characteristics - Value Streams - LIP00 & LIP01 - Origin Group = Component/ Produced Material grouping - ZCBS Hierarchy for Cost Center/Activity	Actual production costs = Material Ledger Specific characteristics - PIF - Material group - Cost object - Origin Group - XCS-ALL Hierarchy

The valuation in solvay it's done once a month.

For PF1 logic we have the following process:

Product Costing

The flow of the product costing is composed of a series of standard transactions which are interconnected. This requires the processing in a certain sequence. The procedure starts in the cost center accounting referring to so-called production cost centers. Defined activity types are assigned to these cost centers. For the daily movements the activity prices are valued at standard cost. In the closing of the product costing they will be revaluated at actual prices. The differences are credited on the production cost centers and debited on the production cost collectors, managed in the cost object hierarchy.

The procedure continues with the distribution of postings of actual costs on the cost object level to the assigned cost collectors.

All categories of variances between target costs and actual costs, like price and quantity variances in raw and packaging materials, same for consumed activities are calculated within the cost object hierarchy and posted on cost collectors. As the cost collectors are a certain kind of order, they must be settled at the end of the period.

Intermediate checks take place in order to look at the 'zero' balance of the cost accounting objects involved.

Material Ledger

To execute the Material Ledger it's necessary that the Product Costing was successfully completed.

After that it is necessary to run Material Ledger, in order to correct the standard price, calculating an actual price for each material, based on all the actual costs for that specific period. This actual price is called "periodic price unit" and can be used to revalue the material stock for the mentioned period.

Actual Costing - determines what portion of the variance is to be debited to the next highest level using material consumption. With the actual BOM, variances can be rolled-up over multiple production levels all the way to the finished products.

Material Ledger is activated at company level but its use can be limited by plant or by article. So, if one plant is customized with ML, all the articles in this plant will have material ledger postings but with a different importance depending if the article is included in the end of the month procedure or not.

After the run of Material Ledger, all the inventory stocks are revaluated at actual prices and actual production cost of the period.

In this way, for PF1 we use the Material Ledger to calculate the actual costs, that means each entry in stock of a produced material it will be done at the actual costs. In the end of the month they will reassign the difference between the standard cost and the actual cost and to have the stock with the actual cost. In this case the difference is allocated to the product and not in P&L as in WP1.

For WP1 each month we revalue the standard price of the products and independent of the actual costs of the month, the valuation in stock for the products will be done with the standard price so it will exist a variance and this difference will be posted in a dedicated line in P&L.

To see more detail information about the processes please check in the wiki page for ["Costing - Knowledge Base"](#).

SAP Transaction Material master data: MM03 in Accounting1 and Costing 2 page.

3.0 Application Feature Overview

For this application find below all the workbooks available (the most used workbooks are identified by the symbol ★):

Reports	Definition	Prompts	BW Workbook Query	Query Technical Name
★ BW - IMEP - WP1 Manuf. Local Database (Core Workbook)	It gives a transversal and consolidated view of manufacturing costs (from sites to GBU level) for all plants managed in WP1 .	Mandatory: • Period /Fiscal Year. Optional: • Auth Scope on Plant; • Target Currm. for conversion; • UoM for Qty conv.; • UoM for Qty in AI conv.; • BFC GBU; • Company Code; • Cost Center; • Index 1; • Material; • Plant.	BW_WBK_CO_0019	BW_QRY_MV COPP01_0009
★ BW - IMEP - PF1 Manuf. Local database (Core Workbook)	It gives a transversal and consolidated view of manufacturing costs (from sites to GBU level) for all plants managed in PF1 .	Mandatory: • Period /Fiscal Year. Optional: • Auth Scope on Plant; • Target Currm. for conversion; • UoM for Qty conv.; • UoM for Qty in AI conv.; • BFC GBU; • Company Code; • Cost Center; • Cost Object; • Index 1; • Material; • Plant.	BW_WBK_CO_0021	BW_QRY_MV COPP01_0011

BW - IMEP - PF1 Check of data consistency (Core Workbook)	The workbook is used to validate the quality of the data reported in imep for the sites in PF1.	Mandatory: • Period /Fiscal Year. Optional: • Auth Scope on Plant; • Target Currn. for conversion; • UoM for Qty conv.; • BFC GBU; • Company Code; • Cost Center; • Cost Object; • Index 1; • Material; • Plant.	BW_WBK_CO_0024	BW_QRY_MV COPP01_0013
BW - IMEP - PF1 ML synthesis (Core Workbook)	This report answers a specific need of GBUs operating in PF1 who wants to better understand the impact of the stock effects in their P&L. It can be used as the report Z1K_CONS_ESTO in PF1 but for a wider scope.	Mandatory: • Period /Fiscal Year. Optional: • Auth Scope on Plant; • Target Currn. for conversion; • UoM for Qty conv.; • BFC GBU; • Company Code; • Cost Object; • Material; • Plant.	BW_WBK_CO_0026	BW_QRY_MV COPP01_0018
BW - IMEP - PF1 Prod. Cost Center Actual Postings (Core Workbook)	It is cost center report that can be used to detail the Index 1 = 9. It is mainly used to provide the detailed utilities costs that are posted in dedicated cost centers with dedicated Statistical Key figure.	Mandatory: • Period /Fiscal Year. Optional: • Auth Scope on Plant; • Target Currn. for conversion; • UoM for Qty conv.; • BFC Activity 1; • BFC GBU; • Company Code; • Cost Center; • Material; • Plant.	BW_WBK_CO_0025	BW_QRY_MV COPP01_0016

BW - IMEP - PF1 Prod. Costs by Cost Objects (Core Workbook)	This workbook is the same as the workbook BW_WBK_CO_0021 IMEP - PF1 Manuf. Local database (Core Workbook) with a different lay-out.	Mandatory: - Period /Fiscal Year. Optional: - Auth Scope on Plant; - Target Curr. for conversion; - UoM for Qty conv.; - UoM for Qty in AI conv.; - BFC GBU; - Company Code; - Cost Center; - Cost Object; - Index 1; - Material; - Plant.	BW_WBK_CO_0029	BW_QRY_MV COPP01_0011
BW - IMEP - PF1 Uploaded budget data check (Core Workbook)	This report used to control the budget that was uploaded using the transaction ZIMEP_FILE.	Mandatory: - Period /Fiscal Year. Optional: - Auth Scope on Plant; - Version; - Target Curr. for conversion; - UoM for Qty conv.; - BFC GBU; - Company Code; - Cost Center; - Cost Object; - Index 1; - Plant.	BW_WBK_CO_0023	BW_QRY_MV COPP01_0012

4.0 Functional Specification

4.1 General Data/Calculations

For these reports, it's important to understand some general concepts which are transversal to all the reports which allows the users to work with the reports.

Standard Cost	Refers to a predetermined, fixed cost that a company assigns to its products, materials, or services for the purpose of internal cost accounting and cost control. It serves as a benchmark or baseline cost against which actual costs are compared. The key elements of a standard cost include labor, material, and overhead costs.
Costing Lote size	For a material we have in the master data the definition for the costing lote size and we can have 1 unit or 100 units and for the value of the stock this will be used with the price defined.
Cost Object	in PF1 it's a grouping of material which doesn't exist in WP1.
Index	Is a key element to understand to set-up an accurate report to follow production quantities and costs. More detail information in the Process Detail section.

4.2 Process Detail

4.2.1. Report/Process Definition

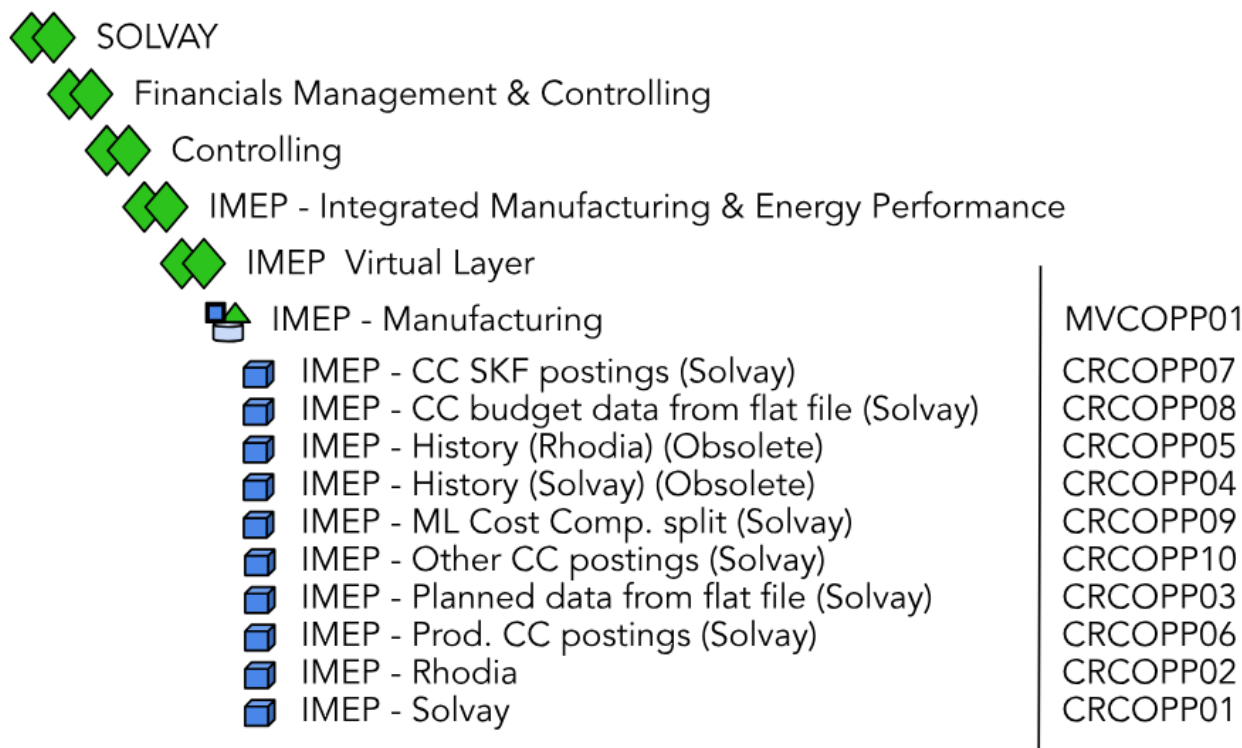
Domain	Finance
Application	BW reports under IMEP - Integrated Manufacturing & energy Performance folder
Provider	MVCOPP01

iMEP is a transversal and consolidated view of manufacturing costs from sites to GBU level. We have data from PF1, WP1 and some information from SodaAsh for the budget data (this is a specific case).

In this section we will approach:

- [SAP BW High Level View](#)
- [IMEP - Characteristics](#)
- [Index 1](#)
- [Workbook Details](#)
 - [BW - IMEP - WP1 Manuf. Local Database \(Core Workbook\)](#)
 - [BW - IMEP - PF1 Manuf. Local database \(Core Workbook\)](#)
 - [BW - IMEP - PF1 Check of data consistency \(Core Workbook\)](#)
 - [BW - IMEP - PF1 ML synthesis \(Core Workbook\)](#)

SAP BW High Level View



IMEP - Characteristics

You can find below the list of all [characteristics](#) and some [measures](#) available in iMEP workbooks.

Type in your keywords in the field "Text search"

Index 1



In the application iMEP, the characteristic **Index 1** is a key element to understand to set-up an accurate report to follow production quantities and costs.

For historical reasons, the data structure is not the same in our two source systems (WP1 & PF1). It explains why some indexes only exist in one of the two ERPs.

Code	Description	Definition	WP1	PF1
1	Produced material	Costs and quantities at finished product level	✓	✓
2	Co-product	Co-product	✓	✓
3	BOM component	Costs and quantities issued from component consumption	✓	✓
4	Subcontracting	Subcontracting costs	✓	✓
5	Activity type	Costs and quantities issued from activity consumption at standard costs	✓	✓
6	Settlement	Process Orders variances	✓	✗
7	Cost Collector Varia	Allocation of activity variances done by Material Ledger	✗	✓
9	SKF/direct Posting	Detailed origin of costs consumed on production cost centers by Activities	✗	✓

iMEP Basics – Index 1



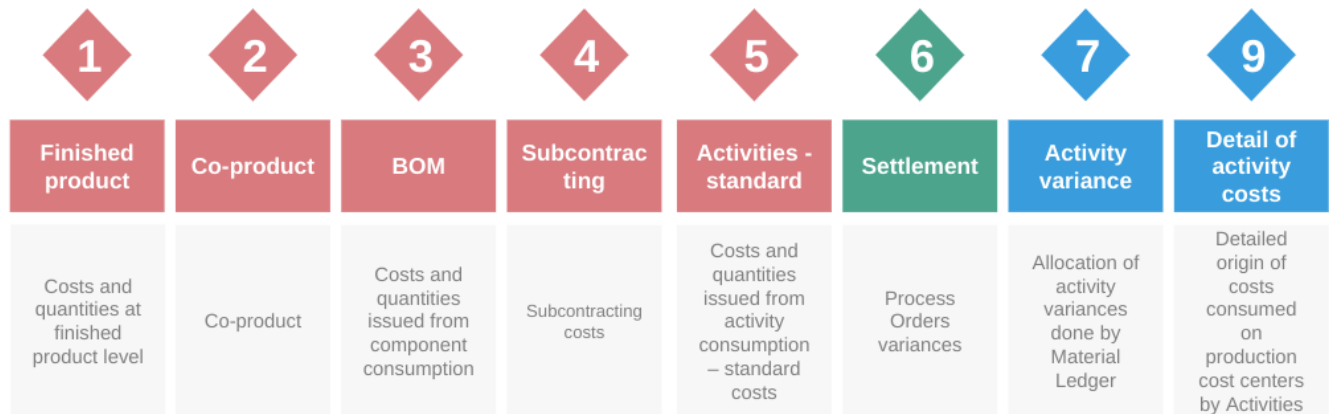
PF1 & WP1



Only in WP1



Only in PF1



Example PF1

The aim is to have the detailed quantities and costs of production of the material 157142 in iMEP

There are 4 columns in the report:

1. Finished product code:
2. Index 1
3. Actual quantities
4. Mat. Ledger Costs = Actual costs

Material		Index 1		Actual Qty	Mat. Ledger Costs
157142	SD CS1250 4SMVSH	a	1	Produced material	-70,000 KG
		b	3	BOM component	206,000 KG
		c	5	Activity type	
		d	7	Cost Collector Varia	
		e	9	SKF/direct Posting	
					EUR
					-6,840
					2,650
					4,440
					-250
					4,190

The detail of costs & quantities is:

	Index 1	
a	1 - Produced material	70 000 KG of the finished product 157142 SD are produced and the total production cost is 6 840 €
b	3 - BOM component	206 000 KG of Raw Materials are used for the production of the finished product with a total cost of 2 650 €
c	5 - Activity type	The cost of activities used for the production is 4 440 €. It is based on the estimated costs of activities
d	7 - Cost Collector Varia	It is the difference between the standard cost of activities and actual costs (=4 190 € - 4 440 €)
e	9 - SKF/direct Posting	It is the detail of activity costs

- The cost of production (a) = cost of raw materials (b) + cost of activities (standard (c) & variance(d)) = 6 840 € = 2 650 € + 4 440 € - 250 €
- Index 1 = 9 (e) is the detail of activity costs. It is equal to Index 1 = 5 (c) and Index 1 = 7 (d) => 4 440 € - 250 € = 4 190 €



Control data accuracy

The workbook BW_WBK_CO_0024 is used to perform some consistency checks.

Example WP1

The aim is to have the detailed quantities and costs of production of the material 157142 in iMEP

There are 4 columns in the report:

1. Finished product code:
2. Index 1
3. Actual quantities
4. Actual Costs

Material		Index 1	Actual Qty	Actual Costs	EUR
81016	SOD SILICAT	a 1	Produced material	-35,000 TO	-2,700,000.00
		b 3	BOM component	10,500 TO	2,300,000.00
		c 5	Activity type		350,000.00
		d 6	Settlement		50,000

The detail of costs & quantities is:

	Index 1	
a	1 - Produced material	35 000 TO of the finished product 81016 SOD are produced and the total production cost is 2 700 k€
b	3 - BOM component	10 500 TO of Raw Materials are used for the production of the finished product with a total cost of 2 300 k€
c	5 - Activity type	The cost of activities used for the production is 350 k€.
d	6 - Settlement	It is the production variance. The amount is settled to the P&L to the value field D05/E05/F05

- The cost of production (a) = cost of raw materials (b) + cost of activities (c) + variance (d) = 2 700 k€ = 2 300 k€ + 350 € + 50 k€

Workbook Details

Access the workbook

[blocked URL](#)

=> Go to Analysis for Office in excel

=> Click "Open Data Source"

Go to the tab "Role" and open the folder IMEP - Integrated Manufacturing & Energy Performance => Manufacturing and Double-click on the workbook **which the user will use** to open it.

BW - IMEP - WP1 Manuf. Local Database (Core Workbook)



This workbook gives a transversal and consolidated view of manufacturing costs (from sites to GBU level) for all plants managed in **WP1**.

Open the workbook (BW_WBK_CO_0019)

It is mandatory to enter the period (1) : MMM.YYYY

It is also recommended to enter at least a GBU (6), a company code (7) or a plant code (11)

It is also possible to enter:

- Click "OK"

[BW_QRY_MVCCOPP01_0009] [IMEP - WP1] Manuf. Local Report (Core Query)									
Auth Scope on Plant (Auth with input)	=	▼	SOLVAY	1					
* Period/Fiscal Year (Selection Option, Mandatory)	=	▼	001.2021	2					
Target Curr. for conversion (Single value, Optional)				3					
UoM for Qty conv. (Single value, Optional)			TO	4					
UoM for Qty in AI conv. (Single value, Optional)				5					
BFC GBU (Selection Option, Optional)	=	▼	SI	6					
Company Code (Selection Option, Optional, Auth)	=	▼		7					
Cost Center (Selection Option, Optional)	=	▼		8					
Index 1 (Selection Option, Optional)	=	▼		9					
Material (Selection Option, Optional)	=	▼		10					
Plant (Selection Option, Optional)	=	▼	0087	11					

OK

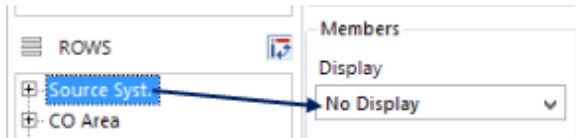
Annuler

By default there are 11 columns in the report:

1. The source system = WP1_400 🌟
2. The Controlling Area 🌟
3. The production plant
4. The material = The finished product
5. The Index 1
6. The Origin
7. The Actual quantity produced
8. The Actual costs of production splitted by
 - Actual Variable costs (9)
 - Actual Fixed costs (10)
 - Actual Depreciation (11)

[illegible]

★ It is recommended to keep these columns in your report to avoid that all master data start with "WP1_400" or "Z006" but you can hide them in the design panel. Click on the dimension you want to hide and select "No display"



1. 2 763 Tons were produced and the total production costs is 1 513 312,29 EUR
2. 49 Tons of co-products were also produced and the total production costs is 492,40 EUR
3. The production of the finished product & the co-product was done with 11 533 Tons of Raw materials. And the total cost of these raw materials was 824 265,21 EUR
4. Activities (Labour, energy, fixed costs) were also allocated to the production costs of these products with a total costs of 688 054,53 EUR
5. The variance between actual production costs & standard costs (=process order variance) is 1 484,95 EUR
6. The total should be zero as the total production costs (Index 1 = 1 & 2) corresponds to the cost of raw material & activities + variances (Index 1 = 3, 5 & 6)

			Actual Qty	Actual Costs
Plant	Material	Index 1		EUR
0087	11830	ZEOSIL 1165MP BULK	1	-2 763 TO
			2	-1 513 312,29
			3	-492,40
			4	11 533 TO
			5	824 265,21
			6	688 054,53
			7	1 484,95
		Result	*	

Set-up a detailed report

=> You can also add the QUR, QUS, CUR, CUS (actual and standard unit quantity & cost)

Material	Actual Costs	Index	Origin	Actual Costs	Actual Qty	Actual Costs VC	Actual Costs FC	Actual Costs DF
14310	14310	1	ZEOBOL L14300 BULK	-1 730.70	1 511.31	-103.39	-474.71	-184.67
14312	14312	2	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14313	14313	3	ZEOBOL L14300 KG / BAG	1 700	37.40	-	-	-
14314	14314	4	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14315	14315	5	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14316	14316	6	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14317	14317	7	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14318	14318	8	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14319	14319	9	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14320	14320	10	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14321	14321	11	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14322	14322	12	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14323	14323	13	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14324	14324	14	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14325	14325	15	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14326	14326	16	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14327	14327	17	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14328	14328	18	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14329	14329	19	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14330	14330	20	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14331	14331	21	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14332	14332	22	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14333	14333	23	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14334	14334	24	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14335	14335	25	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14336	14336	26	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14337	14337	27	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14338	14338	28	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14339	14339	29	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14340	14340	30	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14341	14341	31	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14342	14342	32	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14343	14343	33	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14344	14344	34	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14345	14345	35	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14346	14346	36	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14347	14347	37	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14348	14348	38	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14349	14349	39	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14350	14350	40	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14351	14351	41	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14352	14352	42	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14353	14353	43	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14354	14354	44	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14355	14355	45	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14356	14356	46	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14357	14357	47	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14358	14358	48	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14359	14359	49	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14360	14360	50	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14361	14361	51	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14362	14362	52	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14363	14363	53	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14364	14364	54	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14365	14365	55	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14366	14366	56	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14367	14367	57	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14368	14368	58	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14369	14369	59	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14370	14370	60	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14371	14371	61	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14372	14372	62	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14373	14373	63	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14374	14374	64	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14375	14375	65	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14376	14376	66	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14377	14377	67	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14378	14378	68	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14379	14379	69	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14380	14380	70	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14381	14381	71	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14382	14382	72	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14383	14383	73	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14384	14384	74	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14385	14385	75	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14386	14386	76	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14387	14387	77	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14388	14388	78	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14389	14389	79	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14390	14390	80	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14391	14391	81	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14392	14392	82	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14393	14393	83	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14394	14394	84	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14395	14395	85	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14396	14396	86	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14397	14397	87	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14398	14398	88	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14399	14399	89	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14400	14400	90	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14401	14401	91	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14402	14402	92	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14403	14403	93	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14404	14404	94	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14405	14405	95	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14406	14406	96	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14407	14407	97	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14408	14408	98	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14409	14409	99	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14410	14410	100	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14411	14411	101	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14412	14412	102	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14413	14413	103	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14414	14414	104	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14415	14415	105	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14416	14416	106	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14417	14417	107	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14418	14418	108	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14419	14419	109	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14420	14420	110	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14421	14421	111	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14422	14422	112	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14423	14423	113	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14424	14424	114	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14425	14425	115	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14426	14426	116	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14427	14427	117	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14428	14428	118	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14429	14429	119	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14430	14430	120	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14431	14431	121	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14432	14432	122	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14433	14433	123	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14434	14434	124	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14435	14435	125	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14436	14436	126	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14437	14437	127	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14438	14438	128	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14439	14439	129	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14440	14440	130	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14441	14441	131	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14442	14442	132	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14443	14443	133	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14444	14444	134	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14445	14445	135	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14446	14446	136	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14447	14447	137	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14448	14448	138	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14449	14449	139	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14450	14450	140	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14451	14451	141	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14452	14452	142	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14453	14453	143	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14454	14454	144	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14455	14455	145	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14456	14456	146	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14457	14457	147	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14458	14458	148	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14459	14459	149	ZEOBOL L14300 BULK	1 700	37.40	-	-	-
14460	14460	150						

BW - IMEP - PF1 Manuf. Local database (Core Workbook)

 This workbook gives a transversal and consolidated view of manufacturing costs (from sites to GBU level) for all plants managed in **PF1**.

Open the workbook (BW_WBK_CO_0021)

It is mandatory to enter the period (1) : MMM.YYYY

It is also recommended to enter at least a GBU (5), a company code (6) or a plant code (11)

It is also possible to enter:

- a target currency (2) to have all values converted with the same currency
- a Unit of Measure for the quantity conversion (ex: TO for Tons) (3)
- a Unit of Measure for Active ingredients (4)
- a Cost center (7)
- a Cost object (8)
- an [Index 1](#) (9)
- a material code (10)

Click "OK"

Specify a variant or enter a name and choose save to create a new user variant

Specify Variant for Reports

IMP1 - PT3 Manual, Local database (Core Query)

☒ Auth Scope on Plant (Auth with input) SOLVAY #

☒ Period/Fiscal Year Selection Option, Mandatory

☒ Company code (Single value, Optional)

☒ Unit for Qty core (Single value, Optional)

☒ Unit for Qty in AI core (Single value, Optional)

☒ TO

☒ BFC (BFC Selection Option, Optional) SOLVAY

☒ Company Code Selection Option, Optional, Auth

☒ Core Center Selection Option, Optional

☒ Cost Object Selection Option, Optional

☒ Index 1 Selection Option, Optional

☒ Material Selection Option, Optional

☒ Plant Selection Option, Optional TOSA

Set-up a basic report

When you start working with iMEP, you can simplify the lay-out that is proposed by default.

1. Click the button "display" to show the "Design Panel"
2. Remove "CE Grp XCS-ALL Lev2", Cost Element, Origin from the report. (drag this values from the box "Rows")
3. You can also hide the value "Source Syst." & "CO Area" (Click the dimension and select "no display")

The screenshot shows the Microsoft Excel interface with the 'BIW - PF1 Manuf. Local database (Core Workbook).xls' file open. The 'Data' tab is selected, showing a table with the following data:

Source Syst.	CO Area	Plant	Material
PF1_020	CHEF	TQSA	

The 'Formulas' tab is also visible, showing the 'Data Source' dropdown set to 'BIW - PF1 Manuf. Local database (Core Workbook)' and the 'Columns' dropdown set to 'Rows'. The 'Background Filter' checkbox is checked.

There are 6 columns in the report:

1. The plant code
2. The code of the material produced and its description
3. The Index 1
4. The actual quantity
5. The actual costs

Plant	Material		Index 1	Actual Qty	Mat. Ledger Costs
TOSA	157142	SD C12520 45MVSH	1	-49,210 T2	-5,091,065.04 EUR
			2	-26,710 M3	-7,919.33
			3	-10 T2	-49.05
1	2		5	-10 T2	-777.61
			7	-40,942.28	-40,942.28
			9	*	402,435.21
			Result	*	402,435.21

How to understand the report

In this example the material 157142 SD CS1250 4SMVSH was produced during the period in plant TOSA:

- 49 210 Tons were produced and the total production costs is 5 091 065,04 EUR
- 26 710 M3 of co-products were also produced and the total production costs is 7 919,39 EUR
- The production of the finished product & the co-product was done with 49 210 Tons of Raw materials. And the total cost of these raw materials was 4 696 549,05 EUR
- Activities (Labour, energy, fixed costs) were also allocated to the production costs of these products with a total costs of 443 377,61 EUR (Standard costs) - 40 942,28 EUR (Variances) = 402 435,33 EUR
- Detailed of costs posted on cost centers = 402 435,33 EUR. It provides the detail of the activities costs and the total amount is the same as (4).
- The total should be zero as the total production costs corresponds to the cost of raw material & activities. However in this example the cost of activities is double-counted (4) & (5). It is recommended to exclude the **Index 1 = 9** of your reports except if you have a specific need.

Plant	Material		Index 1	Actual Qty	Mat. Ledger Costs	
TOSA	157142	SD CS1250 4SMVSH	1	-49,210 TO	-5,091,065.04	1
			2	-26,710 M3	-7,919.39	2
			3	49,210 TO	4,696,549.05	3
			5	147,629 TO	443,377.61	4
			7		-40,942.28	5
			9	*	402,435.33	6
			Result	*	402,435.28	6

i When you exclude the **Index 1 = 9** of your report then the total Mat. Ledger Costs by material code is close to zero.

=> You can use the workbook **IMEP - PF1 Check of data consistency** to validate that it is true for all the materials of a plant, company or GBU.

Plant	Material		Index 1	Actual Qty	Mat. Ledger Costs	
TOSA	157142	SD CS1250 4SMVSH	1	-49,210 TO	-5,091,065.04	
			2	-26,710 M3	-7,919.39	
			3	49,210 TO	4,696,549.05	
			5	147,629 TO	443,377.61	
			7		-40,942.28	
			Result		-0.05	

Set-up a detailed report

when you have a good understanding of the report, you can add additional information in the report. You can refer to the list **IMEP - Characteristics** to have a definition of each dimension available in IMEP reports.

For instance you can add:

- the field "Origin" to have additional details by raw material & activities
- the measures "ML VC", "ML FX" & "ML DP" to have the split of costs by variables costs, fixed costs and depreciation

=> You can also add the QUR, QUS, CUR, CUS (actual and standard unit quantity & cost)

Plant	Material	Index 1	Origin	Actual Qty	Mat. Ledger Costs	ML VC	ML FX	ML DP
TOSA	157142	SD CS1250 4SMVSH	01158	SD	-49,210 TO	-5,091,065.04	-5,091,065.04	-5,091,065.04
			01159	CONDENSED WATER	-26,710 M3	-7,919.39	-7,919.39	-7,919.39
			01161	SL	49,210 TO	4,696,549.05	4,696,549.05	4,696,549.05
			0120411900 ZZCPH	SOSA DENSA (VRAC) (Depreciation)	49,210 TO	47,809.11	47,809.11	47,809.11
			0120411900 ZZPRD	SOSA DENSA (VRAC) (PRD) COSTS PRD	49,210 TO	238,158.18	238,158.18	238,158.18
			0120411900 ZZPVAR	SOSA DENSA (VRAC) (VARIABLE COST PRD)	49,210 TO	136,310.32	136,310.32	136,310.32
			0120411900 ZZCPH	SOSA DENSA (VRAC) (Depreciation)		1,476.29	1,476.29	1,476.29
			0120411900 ZZPRD	SOSA DENSA (VRAC) (PRD) COSTS PRD		-34,397.43	-34,397.43	-34,397.43
			0120411900 ZZPVAR	SOSA DENSA (VRAC) (VARIABLE COST PRD)		-8,021.04	-8,021.04	-8,021.04
			Result			-0.05	-0.05	-0.05

BW - IMEP - PF1 Check of data consistency (Core Workbook)

i The aim of this workbook is to validate the quality of the data reported in imep for the sites in PF1.

It can be used when you start working with IMEP queries and confirm that there is no specificity in your production site / GBU that is not taken into account in the imep program.

Open the workbook (BW_WBK_CO_0024)

It is mandatory to enter the period (2) : MMM.YYYY

It is also recommended to enter at least a company code (6) or a plant code (11)

It is also possible to enter:

- a target currency (3) however it is recommended to perform the test with the local currency
- a Unit of Measure for the quantity conversion (ex: TO for Tons) (4)
- a GBU (5)
- a Cost object (8)
- an **Index 1** (9)

Prompts

Use Variant: Select a variant or enter a name and choose save to create a new user variant

Prompt Summary

Search variables: SOLVA

Auth Scope on Plant (Auth with Input): 1

* Period/Fiscal Year (Selection Option, Mandatory): 2

Target Curr. for conversion (Single value, Optional): 3

Unit for Qty conv. (Single value, Optional): 4

BFC GBU (Selection Option, Optional): 5

Company Code (Selection Option, Optional, Auth): 6

Cost Center (Selection Option, Optional): 7

Cost Object (Selection Option, Optional): 8

Index 1 (Selection Option, Optional): 9

Material (Selection Option, Optional): 10

Plant (Selection Option, Optional): 11

Display: OK Cancel

- Click "OK"

There are 7 sheets in the workbook:

The aim of the report iMEP is to provide a detail of actual production costs by material/plant. In PF1, the actual production costs by material is calculated with Material Ledger and the total by material/plant can be displayed with the transaction **CKM3 - Material Price Analysis**.

Ex: The actual production costs calculated with Material Ledger (3) gives the same result as iMEP (2). It confirms that the report iMEP is accurate.

=> In case of discrepancies, a ticket should be created to get the support of the IS team

Produced quantity (2) should be equal to Actual quantity (3)

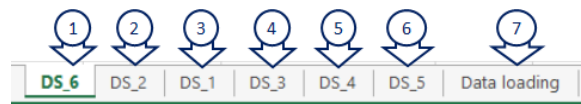
=> In case of discrepancies, a ticket should be created to get the support of the IS team.

The aim of this control is to ensure that the total productions costs (2) calculated by iMEP is equal to variable costs (3) + fixed costs (4) + depreciation (5).

=> In case of discrepancies, a ticket should be created to get the support of the IS team

The aim of this control is to ensure that the total productions costs (Index 1 = 1 & 2) (2)(3) calculated by iMEP is equal to the sum of Raw materials (Index 1 = 3) (4) and activities (Index 1 = 5 & 7) (5)(6) costs.

=> In case of discrepancies, a ticket should be created to get the support of the IS team



IMEP Index<1 Mat. Ledger Costs vs ML Production costs							
Source Syst.	CO Area	Cost Object	Plant	Material		Mat.Ldr.Costs EUR	ML Prod.Costs EUR
PF1_020	CHEF	ST2400020	TOSA	203932	LIMESTONE OF QUARRY	372,788.76	372,788.76
PF1_020	CHEF	ST2400020	TOSA	203932	1 TONNE TO BE CONSUMED	372,788.76	372,788.76
PF1_020	CHEF	ST2400020	TOSA	203923	1 TONNE TO BE CONSUMED	372,788.76	372,788.76
PF1_020	CHEF	ST2440220	TOSA	203979	SE	8,015,005.45	8,015,005.45
PF1_020	CHEF	ST2440220	TOSA	203055	SE	8,015,005.45	8,015,005.45

Material: R03055

Plant: TOSA SLVQ-ES /TORRELAVEGA (SOD)

Curr./Valuation: Company code currency

Value: Actual Value Level + Lower Level Fixed + Variable

View: Cost Components Main Cost Component Split

Prices and Inventory Values

Category	Quantity	Unit	Value	Raw materials	Manufact.-Activities	Packaging Materials
Beginning Inventory	0,000	KG	0,01	0,01	0,00	0,00
Receipts	128.190.155,000	KG	816,011,88	236.180,69	411.078,81	0,00
Cumulative Inventory	128.190.155,000	KG	816,011,89	236.180,70	411.078,81	0,00
Consumption	128.190.155,000	KG	816,011,89	236.180,70	411.078,81	0,00
Ending Inventory	0,000	KG	0,00	0,00	0,00	0,00

Produced Qty vs Actual Qty (Index-1-1)									
Source Sgst.	CO Area	Cost Object	Plant	Material	Check Prod Qty vs Actual Qty	Produced Qty		Actual Qty	
						TO	TO	TO	TO
FF1_020	CHEF	ST32000102	TOSA	039302	LIMESTONE OF QUARRY		-93.93	-93.93	
		ST32000520	TOSA	039301	LIMESTONE TO BE CONSUMED		-80.07	-80.07	
		ST32400820	TOSA	039289	SAUMURE VERGE		131.477	131.477	177
		ST32400220	TOSA	12879	SE	1	2.544	2.544	344
				030955	SE		28.90	28.90	280
		ST3240090	TOSA	678503	SL CS0250 45MVSH		-4.025	-4.025	
				63580	SL S25 IPE P25Q0H1H		-1.235	-1.235	
				779434	SL CS0250 45MVSH PQBH1		-423	-423	
				200999	SL S25 IMPT-CPE IBS250		-1529	-1529	
		ST32400820	TOSA	78851	SL		-71.955	-71.955	
		ST3240090	TOSA	67942	SD CS0250 45MVSH		-90.339	-90.339	
				655993	SD CS0250 45MVSH PPH1H		-581	-581	
				675991	SD S25 IPE P25Q0H1H		-309	-309	
				779584	SD S25 IPE PPH0PQ1H1H		45	45	
		ST32400820	TOSA	20956	SD		-49.002	-49.002	
		ST32460102	TOSA	39927	SBA -S25000 45 T		-4.830	-4.830	

Mat. Ledger Costs vs ML CV + ML FX + ML DP									
Cost Object	Plant	Material	Chk'd Total VCO-FIDP		Mat. Ledger Cost	ML CV	ML FX	ML DP	
			EUR	EUR					
ST2300020	TOSA	63932	LIMESTONE OF QUARRY		372,187.76	98,481.50	219,013.62	42,966.43	
ST2300020	TOSA	63931	LIMESTONE TO BE CONSUMED		140,602.92	35,651.92	25,651.92	5,348.08	
ST2300020	TOSA	63930	SALINIC VERGE		28,076.46	7,119.10	4,449.10	962.90	
ST2300220	TOSA	63065	SE		28,660.11	7,693.91	607.24	129.56	
ST2304990	TOSA	#	PF1 020#		80,862.83	7,850.20	68,640.79	3,671.04	
		63793	SL C3250 45MYSHY		-0.02	-0.01	-0.01		
		63930	SL S25 #5 P125QHT H		-0.01	-0.01			
		61414	SL C3250 45B45PCHT		-0.01	-0.01	0.00		
		63999	SL S25 #PT-C/PE 6B5250		0.01	0.02	-0.01		
ST2304920	TOSA	29051	SL		4,275,712.71	1,565,531.21	2,171,079.20	739,062.08	
ST2304990	TOSA	#	PF1 020#		22,253.79	1,034.37	18,625.46	110.96	
		63930	SD S25 #5 P125QHT H		-0.02	-0.01	-0.01		
ST2304920	TOSA	29056	SD		424,767.65	100,553.92	254,348.49	49,767.65	
ST2304920	TOSA	29057	SD 450000 45 T		139,525.52	33,005.33	85,390.95	5,517.69	

Index-1 vs Index-1-3 vs Index-5 vs...									
Material	Check Index-1 2-3-4-5-6-7-8-9-10	Mat Ledger Code Index-1		Mat Ledger Code Index-2		Mat Ledger Code Index-3		Mat Ledger Code Index-5	
		EUR	EUR	EUR	EUR	EUR	EUR		
030302 LIMESTONE OF QUARRY			-372.1076				235.954.94		52.831
030301 LIMESTONE TO BE CONSUMED			-526.69.28				166.729.25		12.313
030329 SLAGGING VERDE			-52.26.74		372.10.76				12.313
52975 SE		1	2	4	5	6			
03035 SE	-0.06	3	5		4	5	277.00		6
87695 SL C520E 43M3YH H	0.02	-44.675.93		256.58.00		35.550.56		8.892	2
87696 SL C520E P12520H H	0.01	-89.494.45		163.452.39		3.901.67		3.901	6
74944 SL C520E 43M3YH-PGHT			13.678.61		13.557.87		14.427.21		24.21
030999 SL C520E P12520H H			-82.288.04		164.071.15		13.482.82		3.260.7
7695 SL	0.02	-807.594.05	-26.020.93	2.568.681.3		4.691.722.79		-292.010.97	
87694 SL C520E P12520H H	0.01	-107.544.65		1.017.025.83				-28.494.74	
87693 SL C520E 43M3YH-PGHT			-43.381.30		62.299.75		2.09.79		-1.015.6
85691 SL C520E P12520H H	0.02	-44.235.99		39.420.39		1.564.38			
85694 SL C520E P12520H H			5.562.82		5.395.06		-24.327.21		
85696 SL	-0.01	93.940.74	-4.719.29	4.595.091.42					
85692 SLAGGING VERDE	0.03	-258.708.50		30.287.78		355.820.48		-38.045.45	

5. DS_4

The aim of this control is to ensure that the total activities costs (Index 1 = 5 & 7) (1)(2) calculated by iMEP is equal to the production costs recorded in a cost center (Index 1 = 9) (4)

$$(3) = ((1) + (2)) - (4)$$

=> The control is only true when a production cost center is dedicated to the production of a single material.
In the case of multi-materials cost centers, it is not possible to report the index 1 = 9 per material and therefore the control does not work.

Index1=5 vs Index1=9					
Material	Mat. Ledger Costs Index=5	Mat. Ledger Costs Index=7	Check Index=5/7 vs 9	Mat. Ledger Costs Index=9	
	EUR	EUR	EUR	EUR	EUR
103932 LIMESTONE OF QUARRY	339,504.91	32,613.85		372,118.76	
103931 LIMESTONE TO BE CONSUMED	145,729.25	12,811.37		158,540.62	
103929 SAUMURE VIERGE	53,595.93	8.12		53,604.05	
103055 SE	65,377.00	6.95		65,383.95	
# PF1_020/#			-80,162.83	80,162.83	
157853 SL CS1250 4SMVSH	35,500.56	8,585.27		44,085.83	
163590 SL S25 IPE P1250QIHT H	14,487.31	3,503.54		17,990.85	
179434 SL CS1250 4SMVSH PQIHT	1,080.48	261.27		1,341.75	
200999 SL S25 IMPT-CPE /BS1250	13,483.62	3,280.78		16,744.40	
31851 SL	4,667,723.79	-392,011.06		4,275,712.73	
# PF1_020/#			-22,253.78	22,253.78	
157142 SD CS1250 4SMVSH	39,494.36	-8,971.74		20,522.62	
160853 SD CS1250 4SMVSH P14HT	2,105.79	-1,011.56		1,094.23	
163591 SD S25 IPE P1250QIHT H	1,568.38	-753.39		814.99	
165584 SD S25 IPE P1400P13HT H	-242.27	164.41		-177.86	
30156 SD	480,018.95	-55,442.11		424,576.04	
31972 SRA essore +A *T	153,328.43	-38,805.81		120,522.62	

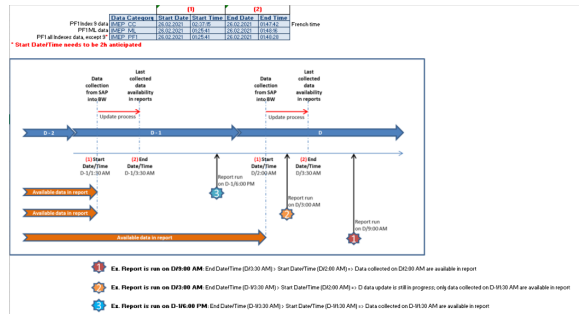
6. DS_5

TO BE COMPLETED

CE groups vs ML VC/FX/DP (Index1=5/7/9)					
Plant	Material	ML VC	ML FX	ML DP	
		EUR	EUR	EUR	EUR
TOSA	103932 LIMESTONE OF QUARRY	98,438.51	231,613.82	42,066.43	
TOSA	103931 LIMESTONE TO BE CONSUMED	125,148.53	30,455.99	2,936.10	
TOSA	103929 SAUMURE VIERGE	85,649.40	259,046.24	125,466.42	
TOSA	103055 SE	89.91	2.24	96.15	
TOSA	# PF1_020/#	-0.20	0.79	0.59	
	157853 SL CS1250 4SMVSH	-0.01	0.01	0.00	
	163590 SL S25 IPE P1250QIHT H	-0.01			
	179434 SL CS1250 4SMVSH PQIHT	-0.01	0.01	0.01	
	200999 SL S25 IMPT-CPE /BS1250	0.02		-0.01	
TOSA	31851 SL	1,365,531.43	2,171,179.20	739,002.08	
TOSA	# PF1_020/#	1,514.37	19,625.46	1,113.95	
	163591 SD S25 IPE P1250QIHT H	-0.01	-0.01		
TOSA	30156 SD	130,533.93	254,248.49	39,793.63	
TOSA	31972 SRA essore +A *T	30,094.30	85,300.99	5,127.30	

7. Data loading

In this sheet you can find some information regarding the loading of data in iMEP



BW - IMEP - PF1 ML synthesis (Core Workbook)

This report answers a specific need of GBUs operating in PF1 who wants to better understand the impact of the stock effects in their P&L. It can be used as the report [Z1K_CONS_ESTO](#) in PF1 but for a wider scope.

Open the workbook (BW_WBK_CO_0026)

It is mandatory to enter the period (2) : MMM.YYYY

It is also recommended to enter at least a GBU (5), a company code (6) or a plant code (9)

It is also possible to enter:

- a target currency (3) to have all values converted with the same currency
- a Unit of Measure for the quantity conversion (ex: TO for Tons) (4)
- a Cost object (7)
- a material code (8)

Click "OK"

IMEP - PF1 ML synthesis (Core Query)

Auth Scope on Plant (Auth with input)

* Period/Fiscal Year (Selection Option, Mandatory)

Target Curr. for conversion (Single value, Optional)

UoM for Qty conv. (Single value, Optional) TO

BFC GBU (Selection Option, Optional)

Company Code (Selection Option, Optional, Auth)

Cost Object (Selection Option, Optional)

Material (Selection Option, Optional)

Plant (Selection Option, Optional)

OK Cancel

The report

The report is displayed with the list of raw materials and the detail of stock movements

There are 20 columns in the report for amounts (blue) and quantities (green)

1. Inventory at the beginning of the period entered in the prompt
2. Production of the material during the period
3. Other receipts such as purchases
4. Consumption of the material in production
5. Sales
6. Other consumption such as transfer to another plant
7. Other movements of inventory
8. Ending inventory
9. Delta is the difference between the beginning and the ending inventory
10. Control that the difference between the beginning inventory and the ending inventory corresponds to the sum of all inventory movements. It should be equal to zero.

Material	SD	* Beginning Inv.	In: Production Amount	In: Others Receipts	Out: Consumpt./Pr	Out: Consumpt./Sal	Out: Other consumpt.
		EUR	EUR	EUR	EUR	EUR	EUR
00198	SD	234,074.96	5,091,065.04		383,348.50	1,968,914.62	2,805,032.28
31051	SL	165,575.82	6,731,559.99		5,352,445.94	201,260.38	1,079,416.30
31972	SRA INHIBIT HA *T		165,575.82			165,575.82	
32979	SE		64,762.60			64,762.60	
51844	SL COLD	5,530.56		56,595.85		45,945.51	
53667	BB OUT CL @INT			51,110.95			51,110.95
100139	NH3 AMMONIAC ANHYDRE * GR	21,884.72		15,922.50	23,037.89		685.01
101584	AMMONIAC 25% * GR	13,306.73		16,630.70			17,093.59
103055	SE		876,843.12		876,843.07		0.05
103058	LIME		14,029.26		13,840.89		388.37
103474	CONDENSED WATER		30,981.16				30,981.16

Material		PF1_020/30156	
		SD	
* Beginning Inv. Amount	1	EUR	234,074.96
In: Production Amount	2	EUR	5,091,065.04
In: Others Receipts Amount	3		
Out: Consumpt./Prod Amount	4	EUR	383,348.50
Out: Consumpt./Sales Amount	5	EUR	1,968,914.62
Out: Other consumpt. Amount	6	EUR	2,805,032.28
In/Out: Others Amount	7		
* Ending Inv. Amount	8	EUR	167,844.60
Delta stock Amount	9	EUR	-66,230.36
Check Amount	10	EUR	
* Beginning Inv. Qty	1	TO	2,356
In: Production Qty	2	TO	49,210
In: Others Receipts Qty	3		
Out: Consumpt./Prod Qty	4	TO	3,712
Out: Consumpt./Sales Qty	5	TO	19,086
Out: Other consumpt. Qty	6	TO	27,162
In/Out: Others Qty	7		
* Ending Inv. Qty	8	TO	1,625
Delta stock Qty	9	TO	-731
Check Qty	10	TO	



This detail corresponds to the detail available in the transaction **CKM3 - Material Price Analysis** in PF1 by material code

Category		Quantity	Unit	Value
> Beginning Inventory	1	2,356,070,000 KG		234,074.96
> Receipts	2	49,209,505,000 KG		5,091,065.04
> Production		49,209,505,000 KG		5,091,065.04
* Cumulative Inventory		51,565,575,000 KG		5,325,140.00
> Consumption		49,940,265,000 KG		5,157,295.40
> Not Allocated	5	0,000 KG		0,02-
> Consumption		19,065,830,000 KG		1,968,914.62
> Production	4	3,712,125,000 KG		383,348.50
> Stock transfer	3	27,162,310,000 KG		2,805,032.30
> Ending Inventory	8	1,625,310,000 KG		167,844.60

5.0 Non-functional Descriptions

5.1 Usability

as per standard.

5.2 Regulatory Compliance

as per standard.

5.3 Security

as per standard.

5.4 Performance

as per standard.

5.5 Reliability

as per standard.

5.6 Scalability

as per standard.

5.7 Compatibility

as per standard.

5.8 Availability

as per standard.

5.9 Refresh of the Data

The loads for this application it's once per day as we can see below at 6 a.m:

