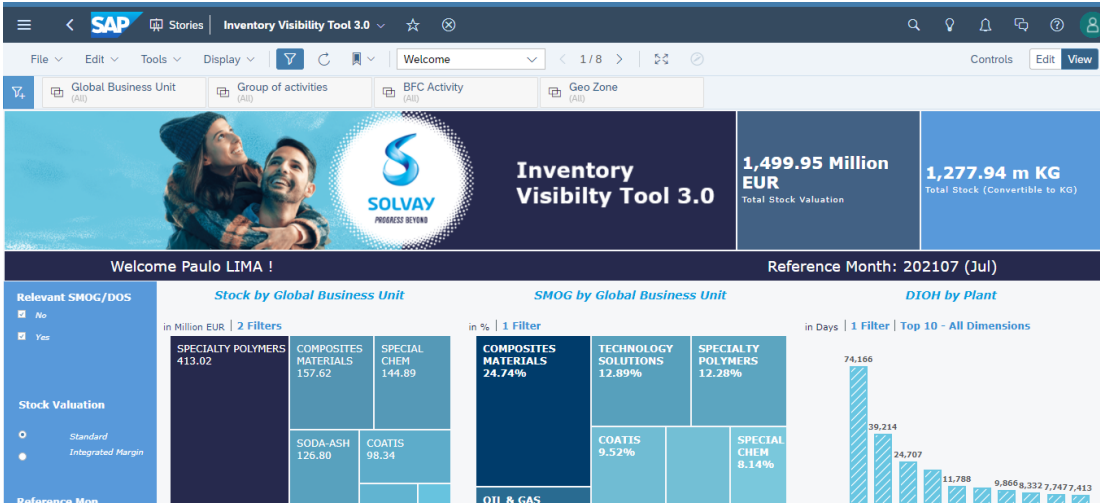


# SAC IM

## General presentation

### Objective of the application

Dashboard responsible to provide Inventory Management analysis.



## Usage information

Around 200 worldwide users.

## Roles & Access

The SAC Models are prepared to restrict the user access by Global Business Unit (GBU), but it was decided to give the users plenty access currently:

Team	Team Description	Explanation
SD_VIEWER	SD Viewer	SAC Team

Note: Once the authorization police changes, new teams (GBU based) should be created and SD\_VIEWER replaced.

## Authorization objects

List of authorization objects mandatory for the application.

Authorization object	Explanation
SAP_IM_GBU	Dimension for Global Business Unit

Current Authority definition:

Member ID	Description	Read	Write
#	Not assigned		
CH	SPECIAL CHEM	TEAM:SD_VIEWER;	TEAM:SD_MODELER
CM	COMPOSITES MATERIA...	TEAM:SD_VIEWER;	TEAM:SD_MODELER
CS	NOVE CARE	TEAM:SD_VIEWER;	TEAM:SD_MODELER
CT	COATIS	TEAM:SD_VIEWER;	TEAM:SD_MODELER
OG	OIL & GAS	TEAM:SD_VIEWER;	TEAM:SD_MODELER
PA	AROMA PERFORMANCE	TEAM:SD_VIEWER;	TEAM:SD_MODELER
PE	PEROXIDES	TEAM:SD_VIEWER;	TEAM:SD_MODELER
SD	SODA-ASH	TEAM:SD_VIEWER;	TEAM:SD_MODELER
SI	SILICA	TEAM:SD_VIEWER;	TEAM:SD_MODELER
SP	SPECIALTY POLYMERS	TEAM:SD_VIEWER;	TEAM:SD_MODELER
TS	TECHNOLOGY SOLUTI...	TEAM:SD_VIEWER;	TEAM:SD_MODELER

## Dataflow presentation

### Overview

The dashboard **Inventory Visibility Tool 2.0** was built in SAP Analytics Cloud, the data is imported from SAP BW in three different models in SAC:

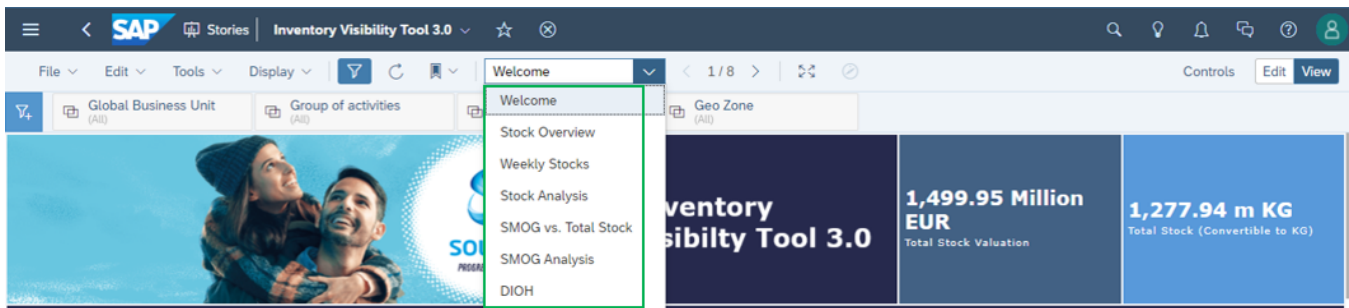
- MM-IM Total Stock (Detail) - Source BW Query SAC\_BW\_QRY\_CPMMIM01\_0001 (Historical) and SAC\_BW\_QRY\_CPMMIM01\_0002
- MM-IM SMOG (Detail) - Source BW Query SAC\_BW\_QRY\_CPMMIM02\_0003
- MM-IM SMOG x Stock - Source BW Query SAC\_BW\_QRY\_CPMMIM02\_0004
- FI-WC DOS Inventory x Sales - Source BW Query SAC\_BW\_QRY\_MVFIWC01\_0002
- FI-WC Working Capital Inventory - Source BW Query SAC\_BW\_QRY\_CPFIVC04\_0001
- MM-IM Weekly Stocks - Source BW Query SAC\_BW\_QRY\_CPMMIM01\_0001 and SAC\_BW\_QRY\_MVFIWC01\_0002
- MM-IM Anticipation - Source SMOG: SAC\_BW\_QRY\_CPMMIM02\_0005, Under Observation: SAC\_BW\_QRY\_CPMMIM01\_0003 (Obsolete) and SAC\_BW\_QRY\_CPMMIM01\_0004 (Slow Moving)
  - Import Transformation: Dimension Type of Observation forced to **OBS** for the Obsolete load and **SM** for the Slow Moving;
  - Exclude records where the Dimension Batch Aging has value Zero (not Under Observation).
- MM-IM DIOH - Source BW Query SAC\_BW\_QRY\_CPMMIM01\_0005 and Source BW Query SAC\_BW\_QRY\_CPMMIM01\_0006 (Historical)

SAC Production: [https://solvaysa.eu10.hcs.cloud.sap/sap/fpa/ui/tenants/12b3c/app.html#;view\\_id=home](https://solvaysa.eu10.hcs.cloud.sap/sap/fpa/ui/tenants/12b3c/app.html#;view_id=home)

Direct link for this dashboard: <https://solvaysa.eu10.hcs.cloud.sap/sap/fpa/ui/tenants/12b3c/app.html#/story&/s/A067F307F32E198C9978416A0ABE989C/?resourceType=STORY&mode=view>

### Dashboard Details

The dashboard contains nine tabs to split the data analysis between the models as follow:



Tab Name	Source SAC Model	SAC Measures
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Welcome	MM-IM Total Stock (Detail) MM-IM SMOG (Detail) MM-IM DIOH	Standard Value Total Stock (EUR) Integrated Margin Integrated Margin SMOG as % of Total Stock Value Standard / Values (Stock) SMOG as % of Total Stock Value Integrated Margin Integrated Margin / Integrated Value (Stock) DIOH Quantity (AVG) DIOH Quantity with Average configuration and aggregated by GBU, Plant and Material
Stock Overview	MM-IM Total Stock (Detail)	Standard Value Total Stock (EUR) Integrated Margin Integrated Margin
Stock Analysis	MM-IM Total Stock (Detail)	Standard Value Total Stock (EUR) Integrated Margin Integrated Margin
Stock Details (Jump)	MM-IM Total Stock (Detail)	Standard Value Total Stock (EUR) Integrated Margin Integrated Margin
SMOG vs. Total Stock	MM-IM SMOG x Stock	SMOG as % of Total Stock Value Standard / Values (Stock) SMOG as % of Total Stock Value Integrated Margin Integrated Margin / Integrated Value (Stock)
SMOG Analysis	MM-IM SMOG (Detail) MM-IM Anticipation	SMOG IN - SMOG with Operation FIRST SMOG END - SMOG with Operation LAST
SMOG Details (Jump)	MM-IM Anticipation	N/A
DIOH	MM-IM DIOH	DIOH Quantity (AVG) DIOH Quantity with Average configuration and aggregated by GBU, Plant and Material
Glossary	N/A	N/A

## Loading Frequency

- Weekly for STOCK, every Tuesday morning.
- Monthly for SMOG, 3rd day of following month.

Note: Due the high volume of data, the Import Jobs are broken by GBU:

The screenshot shows the SAP Data Management interface for 'Files / MM-IM Total Stock (Detail)'. It displays a table of data management jobs. The table has columns for job name, source system, and frequency. The jobs are listed as follows:

Data Management		
<input type="checkbox"/>	Total Stock Detail (Historical) - SP	Unscheduled
<b>Refresh all in order</b>		
<input type="checkbox"/>	Total Stock Detail (Delta) - TS / PE / ...	Weekly Every week at 8:00:00
<input type="checkbox"/>	Total Stock Detail (Delta) - CH / SI	Weekly Every week at 8:00:00
<input type="checkbox"/>	Total Stock Detail (Delta) - SP	Weekly Every week at 8:00:00
<input type="checkbox"/>	Total Stock Detail (Delta) - CM / SD	Weekly Every week at 8:00:00
<input type="checkbox"/>	Total Stock Detail (Delta) - CT	Weekly Every week at 8:00:00

## Troubleshooting

- In case of failure, the job reports the error by the icon below and in the right corner is possible to resume from the job in error or repeat all.

MM-IM: Weekly - TS / SP Group	Refresh all in order	Stop if any query fails	
<input type="checkbox"/> MM-IM: Weekly - TS / SP	MM-IM: Weekly - TS / SP SAP BW	Weekly Every week at 8:00:00	Refresh all Resume after last failure
<input type="checkbox"/> MM-IM: Weekly - CH / SI / CT	MM-IM: Weekly - CH / SI / CT SAP BW	Weekly Every week at 8:00:00	Dec 14, 2021 9:01:39
<input type="checkbox"/> MM-IM: Weekly - CS / OG / PA...	MM-IM: Weekly - CS / OG / PA / PE SAP BW	Weekly Every week at 8:00:00	Dec 14, 2021 9:23:21
<input type="checkbox"/> MM-IM: Weekly - CM / SD	MM-IM: Weekly - CM / SD SAP BW	Weekly Every week at 8:00:00	Dec 14, 2021 9:28:36

- The status button provides extra clarifications of the reason for errors if persists after first action (select the job and try to reduce the data scope by edit query); in case of missing fields in the agent, the action to be done is recreate the job using as reference other existent job).

Query	Schedule	Last Updated
/ SD / PA Group Refresh all in order	Skip any failed query	
/ SD / PA SMOG (Detail) CM / SD / PA	Weekly Every week at 10:00:00	Dec 15, 2021 12:51:53
SP / PE SMOG (Detail) CT / SP / PE	Refreshing	
/ OG SMOG (Detail) CS / OG	Weekly Every week at 10:00:00	Dec 14, 2021 10:07:48
/ SI / TS SMOG (Detail) CH / SI / TS	Weekly Every week at 10:00:00	Dec 14, 2021 10:08:35

Note: Due the high volume of data, the Import Jobs are broken by GBU:

Model	General	Edit	Data
Total Stock Detail (historical Z) - SP	Total Stock Detail (historical Z) - SP SAP BW	Unscheduled	
Total Stock Detail (Delta) - TS / PE / ...	Total Stock Detail (Delta) - TS / PE / PA SAP BW	Weekly Every week at 8:00:00	Refresh all in order
Total Stock Detail (Delta) - CH / SI	Total Stock Detail (Delta) - CH / SI SAP BW	Weekly Every week at 8:00:00	
Total Stock Detail (Delta) - SP	Total Stock Detail (Delta) - SP SAP BW	Weekly Every week at 8:00:00	
Total Stock Detail (Delta) - CM / SD	Total Stock Detail (Delta) - CM / SD SAP BW	Weekly Every week at 8:00:00	
Total Stock Detail (Delta) - CT	Total Stock Detail (Delta) - CT SAP BW	Weekly Every week at 8:00:00	

## SAC Folders

Object	Description	SAC Folder	Object Type	Load Frequency	Filter
MM-IM Total Stock (Detail)	SAC_BW_QRY_CPMIM01_0001	/Public/02_SD /Models/Import	Model	Weekly (Tuesday)	Jobs per GBU Calmonth (previous and current month)
MM-IM SMOG x Stock	SAC_BW_QRY_CPIMMM02_0004	/Public/02_SD /Models/Import	Model	Monthly (3rd)	Calmonth (last 12 months)

MM-IM SMOG (Detail)	SAC_BW_QRY_CPIMMM02_0003	/Public/02_SD /Models/Import	Model	Monthly (3rd)	Calmonth (last 12 months)
MM-IM Weekly Stocks	SAC_BW_QRY_CPMIM01_0001	/Public/02_SD /Models/Import	Model	Weekly (Tuesday)	Jobs per GBU Calmonth (previous and current month)
MM-IM Anticipation	SAC_BW_QRY_CPMIM01_0003 SAC_BW_QRY_CPMIM02_0005 SAC_BW_QRY_CPIMMM01_0004 SAC_BW_QRY_CPIMMM01_0007	/Public/02_SD /Models/Import	Model	Monthly (3rd)	Calmonth (last 12 months)
MM-IM DIOH	SAC_BW_QRY_CPMIM01_0005	/Public/02_SD /Models/Import	Model	Monthly (3rd)	Calmonth (last month)
MM-IM DIOH (Plant)	SAC_BW_QRY_CPMIM01_0005	/Public/02_SD /Models/Import	Model	Monthly (3rd)	Calmonth (last month)
Inventory Visibility Tool 3.0	Inventory Dashboard	/Public/02_SD	Story		
Stock Detail	Detailed report from stock with data explorer	/Public/02_SD	Story		
SMOG Detail	Detailed information for under observation and SMOG in the last day of previous month	/Public/02_SD	Story		

## BW Documentation

[BW OTC - IM Stock](#)