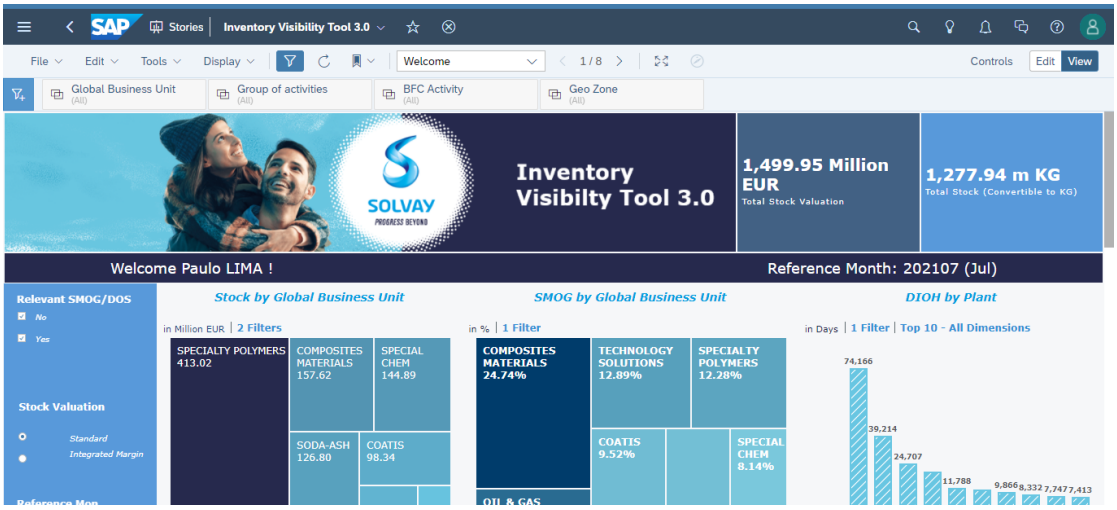
# SAC IM

## 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:

SAP_IM_GBU

| | Member ID | Description | Read | Write |
|---|---|---|---|---|
| 1 | # | Not assigned | | |
| 2 | CH | SPECIAL CHEM | TEAM:SD_VIEWER; | TEAM:SD_MODELER |
| 3 | CM | COMPOSITES MATERIA... | TEAM:SD_VIEWER; | TEAM:SD_MODELER |
| 4 | CS | NOVECARE | TEAM:SD_VIEWER; | TEAM:SD_MODELER |
| 5 | CT | COATIS | TEAM:SD_VIEWER; | TEAM:SD_MODELER |
| 6 | OG | OIL & GAS | TEAM:SD_VIEWER; | TEAM:SD_MODELER |
| 7 | PA | AROMA PERFORMANCE | TEAM:SD_VIEWER; | TEAM:SD_MODELER |
| 8 | PE | PEROXIDES | TEAM:SD_VIEWER; | TEAM:SD_MODELER |
| 9 | SD | SODA-ASH | TEAM:SD_VIEWER; | TEAM:SD_MODELER |
| 10 | SI | SILICA | TEAM:SD_VIEWER; | TEAM:SD_MODELER |
| 11 | SP | SPECIALTY POLYMERS | TEAM:SD_VIEWER; | TEAM:SD_MODELER |
| 12 | TS | TECHNOLOGY SOLUTI... | TEAM:SD_VIEWER; | TEAM:SD_MODELER |
| 13 | | | | |

# Dataflow presentation

## Overview

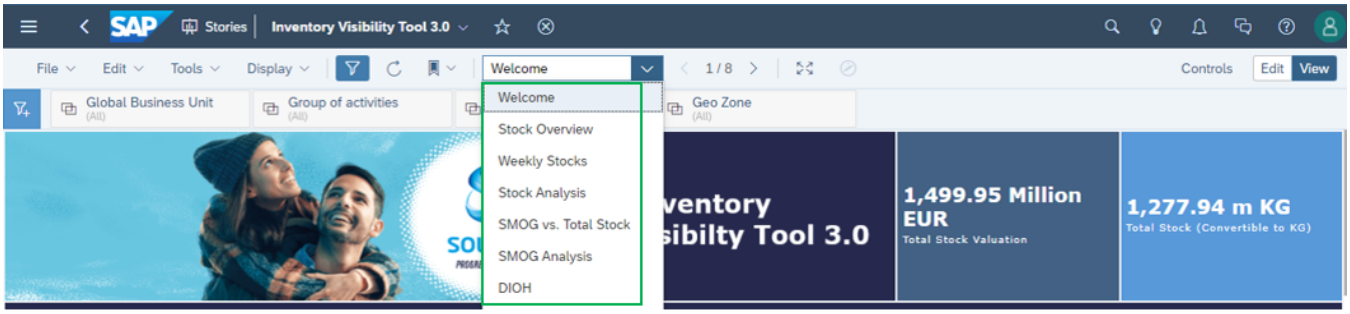
The dashboard **Inventory Visibility Tool 2.0** was built in SAP Analytics Cloud, the data is imported from SAP BW in three different models in SAC:

- 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_CPIMMM02_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_CPFIWC04_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
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:



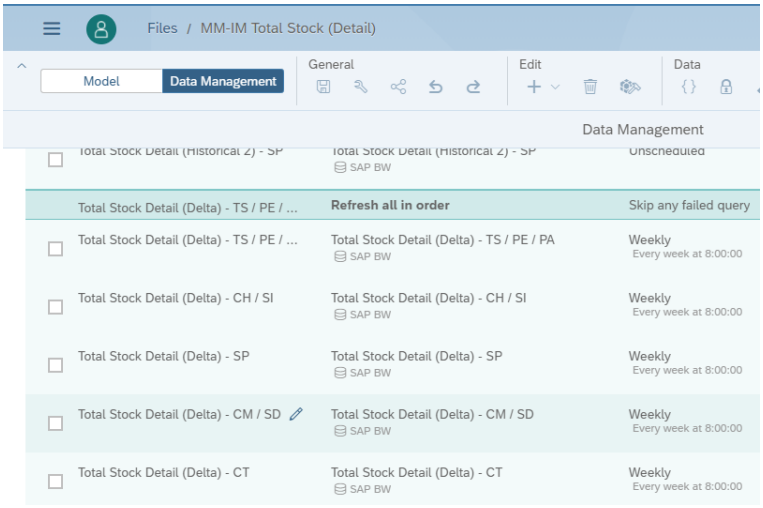

| Tab Name | Source SAC Model | SAC Measures |
|---|---|---|

| | | |
|---|---|---|
| Welcome | MM-IM Total Stock (Detail)<br><br>MM-IM SMOG (Detail)<br><br>MM-IM DIOH | Standard  Value Total Stock (EUR)<br><br>Integrated Margin  Integrated Margin<br><br>SMOG as % of Total Stock Value  Standard / Values (Stock)<br><br>SMOG as % of Total Stock Value Integrated Margin  Integrated Margin / Integrated Value (Stock)<br><br>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)<br><br>Integrated Margin  Integrated Margin |
| Stock Analysis | MM-IM Total Stock (Detail) | Standard  Value Total Stock (EUR)<br><br>Integrated Margin  Integrated Margin |
| Stock Details (Jump) | MM-IM Total Stock (Detail) | Standard  Value Total Stock (EUR)<br><br>Integrated Margin  Integrated Margin |
| SMOG vs. Total Stock | MM-IM SMOG x Stock | SMOG as % of Total Stock Value  Standard / Values (Stock)<br><br>SMOG as % of Total Stock Value Integrated Margin  Integrated Margin / Integrated Value (Stock) |
| SMOG Analysis | MM-IM SMOG (Detail)<br><br>MM-IM Anticipation | SMOG IN - SMOG with Operation FIRST<br><br>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.

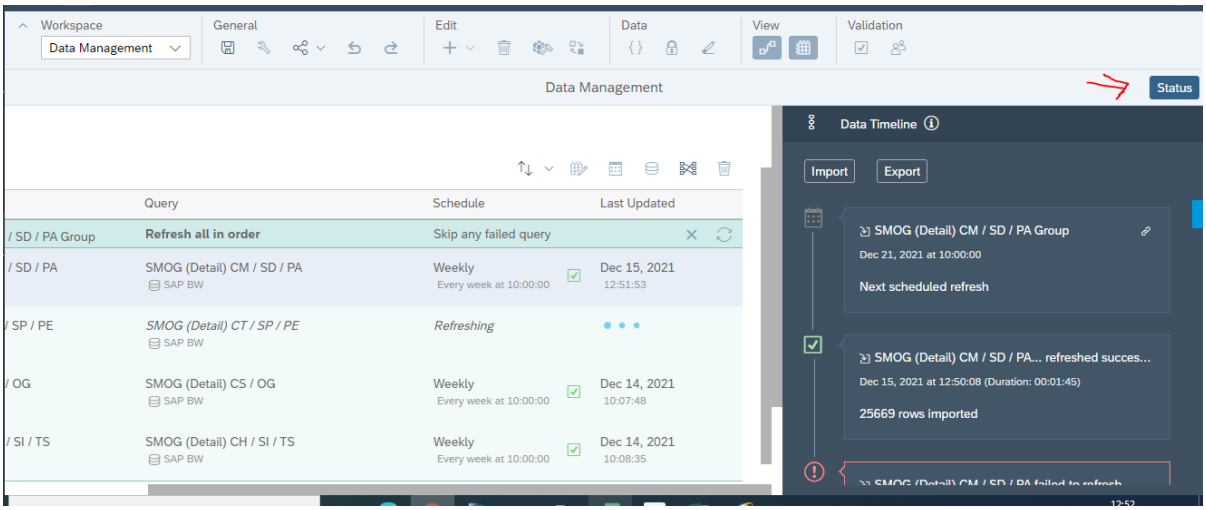
Note: Due the high volume of data, the Import Jobs are broken by GBU:




## 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.

- The status button provides extra clarifications of the reason for errors if persists after first action, if no roll memory (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).

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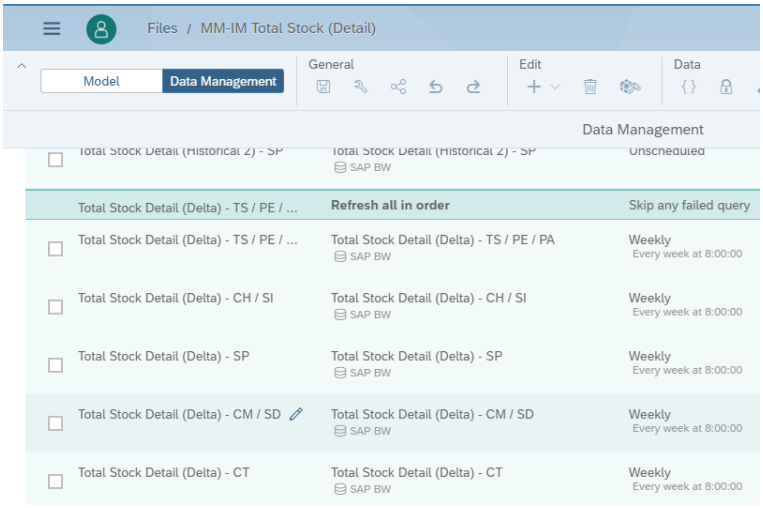


## SAC Folders

| Object | Description | SAC Folder | Object Type | Load Frequency | Filter |
|---|---|---|---|---|---|
| MM-IM Total Stock (Detail) | SAC_BW_QRY_CPMMIM01_0001 | /Public/02_SD /Models/Import | Model | Weekly<br><br>(Tuesday) | Jobs per GBU<br><br>Calmonth (previous and current month) |
| MM-IM SMOG x Stock | SAC_BW_QRY_CPIMMM02_0004 | /Public/02_SD /Models/Import | Model | Monthly<br><br>(3rd) | Calmonth (last 12 months) |

| | | | | | |
|---|---|---|---|---|---|
| MM-IM SMOG (Detail) | SAC_BW_QRY_CPIMMM02_0003 | /Public/02_SD /Models/Import | Model | Monthly<br><br>(3rd) | Calmonth (last 12 months) |
| MM-IM Weekly Stocks | SAC_BW_QRY_CPMMIM01_0001 | /Public/02_SD /Models/Import | Model | Weekly<br><br>(Tuesday) | Jobs per GBU<br><br>Calmonth (previous and current month) |
| MM-IM Anticipation | SAC_BW_QRY_CPMMIM01_0003<br><br>SAC_BW_QRY_CPMMIM02_0005<br><br>SAC_BW_QRY_CPIMMM01_0004<br><br>SAC_BW_QRY_CPIMMM01_0007 | /Public/02_SD /Models/Import | Model | Monthly<br><br>(3rd) | Calmonth (last 12 months) |
| MM-IM DIOH | SAC_BW_QRY_CPMMIM01_0005 | /Public/02_SD /Models/Import | Model | Monthly<br><br>(3rd) | Calmonth (last month) |
| MM-IM DIOH (Plant) | SAC_BW_QRY_CPMMIM01_0005 | /Public/02_SD /Models/Import | Model | Monthly<br><br>(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