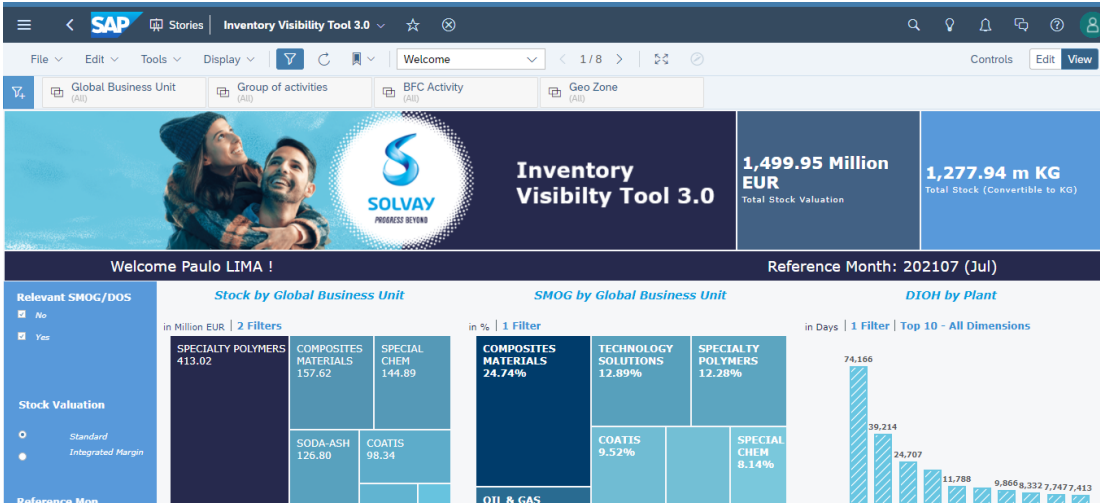


SAC IM

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:

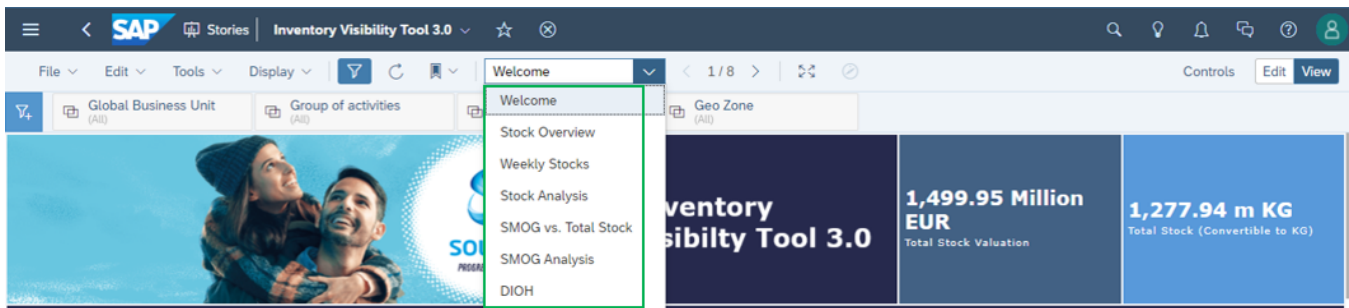
- MM-IM Total Stock (Detail) - Source BW Query SAC_BW_QRY_CPMIM01_0001 (Historical) and SAC_BW_QRY_CPMIM01_0002
- MM-IM SMOG (Detail) - Source BW Query SAC_BW_QRY_CPMIM02_0003
- MM-IM SMOG x Stock - Source BW Query SAC_BW_QRY_CPMIM02_0004
- FI-WC DOS Inventory x Sales - Source BW Query SAC_BW_QRY_MVFIWC01_0002
- FI-WC Working Capital Inventory - Source BW Query SAC_BW_QRY_CPMIWC04_0001
- MM-IM Weekly Stocks - Source BW Query SAC_BW_QRY_CPMIM01_0001 and SAC_BW_QRY_MVFIWC01_0002
- MM-IM Anticipation - Source SMOG: SAC_BW_QRY_CPMIM02_0005, Under Observation: SAC_BW_QRY_CPMIM01_0003 (Obsolete) and SAC_BW_QRY_CPMIM01_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_CPMIM01_0005 and Source BW Query SAC_BW_QRY_CPMIM01_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) 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:

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

| Job Name | Schedule | Frequency |
|--|---------------------------------|-----------------------|
| Total Stock Detail (historical Z) - SP | Unscheduled | |
| Total Stock Detail (Delta) - TS / PE / ... | Refresh all in order | Skip any failed query |
| Total Stock Detail (Delta) - TS / PE / ... | Weekly Every week at 8:00:00 | |
| Total Stock Detail (Delta) - CH / SI | Weekly Every week at 8:00:00 | |
| Total Stock Detail (Delta) - SP | Weekly Every week at 8:00:00 | |
| Total Stock Detail (Delta) - CM / SD | Weekly Every week at 8:00:00 | |
| Total Stock Detail (Delta) - CT | 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

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