

ABB Ability™ Manufacturing Operations Management Dashboard Application



Today industries have large amounts of data collected in different systems. This data is essential for industries to keep track of their performance. The ability to search, find, view and analyze this data in different context and time frames are key to turning it into actionable knowledge and decisions.

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01 Dashboard application
for Windows, Android
and IOS platforms

The Manufacturing Operations Management (MOM) Dashboard Application allows users to organize and analyze business-critical KPIs and production data on interactive dashboards. The intelligent search engine ensures fast access to all data across MOM Application. Users can easily save, reuse, organize and share their dashboards. Dashboard is a web-based application allowing users to access their dashboards on any computer or tablet.

The Solution

The Dashboard Application is the perfect tool to easily find, organize and build dashboards to present all relevant KPIs and production data. Dashboards can include data across all MOM Applications, reports and any external data source such as a SQL database. This ensures that users can build relevant dashboards combining any data regardless of MOM Application or data source. Users simply create as many Dashboards as needed to give the complete picture of their operations and business objectives.

The dashboards are easy to group and organize with all other MOM Applications. This gives users easy access to their relevant dashboards and nimble navigation to other MOM Applications for more detailed analysis in different contexts.

The built-in intelligent search engine helps the user to find the right data and a Dashboard is built in just a few minutes. The Interact mode allows users to further interact and analyze the data in e.g. different trends and drill downs. With its modern design, the Dashboard Application can be used on any device and is very well suited for touch screens. When running on ABB Collaboration Table, the Dashboard becomes the true enabler for collaborative meetings that unlock the power of your team when it comes to making the right decisions at the right time.

Key Benefits

The Dashboard Application supports users with:

- Fast self-service configuration. A Dashboard is built in just a few minutes.
- Smart intelligent search across all MOM Applications and data sources to easily find your data
- Filtering and drill-down to provide insights in large amount of data.
- Flexible. Can run on any Edge, Chrome or Safari compatible device.
- Interactive to support collaborative group discussion on big screen solutions such as ABB Collaboration Table.

How does it work?

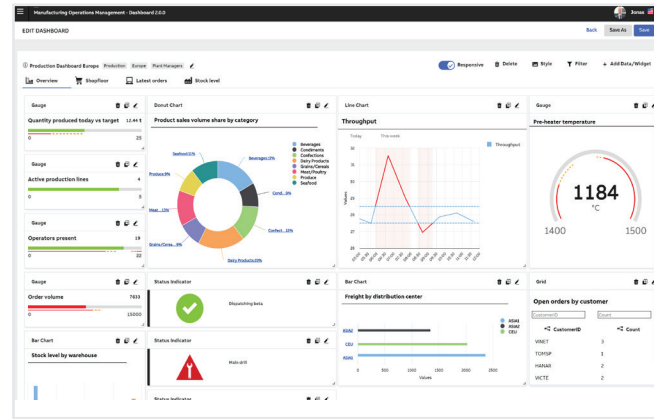
Dashboards are built in just a few minutes using the powerful search engine which allows users to simply search for data across all MOM Applications, reports, and external data sources. Preconfigured time scopes or the calendar function can filter relevant data. This allows users to combine and analyze data in any context needed. Dashboards can be saved and grouped into favorites.

Dashboards support view mode. In interactive mode, users can interact with the data in the Dashboard such as zoom and change settings in different graphs and trends. The user can switch back and forth between design and interactive mode to continuously modify and perform analysis. Interactive mode also supports duplication of data controls such as trends and graphs with a new time scope. This is very useful when analyzing abnormal situations when compared to the same data from a different time period. Using the powerful expression engine users can define dynamic widget styling to be aware of critical situations that are requiring their attention.

The MOM Dashboard Application can be fully localized using standard MOM NLS (Native Language Support) capabilities.

Dashboard Application on Collaboration Table

Team work and collaboration are key to maximizing the output of your team. ABB's unique Collaboration Table provides an intuitive user friendly environment where multiple users can share their knowledge and ideas at the same time. The MOM Dashboard Application is designed to support teams working on the Collaboration Table. The large screen combined with the unique features of the Dashboard Application give a completely new level of understanding to your operations regardless of which data is being analyzed.



Pre-requisites

Dashboard is a native Application within ABB Ability Manufacturing Operations Management (MOM). With its common services and modules User Experience (UX), Reporting, Connectivity and Data Storage ABB Ability Manufacturing Operations Management is an ISA-95 Level 3 plant data access and information system which ties any plant data from disparate data sources into one single information infrastructure. MOM is also a platform that hosts a different type of industrial productivity software Application, MOM Applications. This enables MOM users to easily expand and add new relevant industrial software applications as requirements or business objectives change.