

**SIEMENS**  
Ingenuity for life

# Opcenter Intelligence

## Process visibility, faster and more up-to-date decision making enables global performance excellence

### Benefits

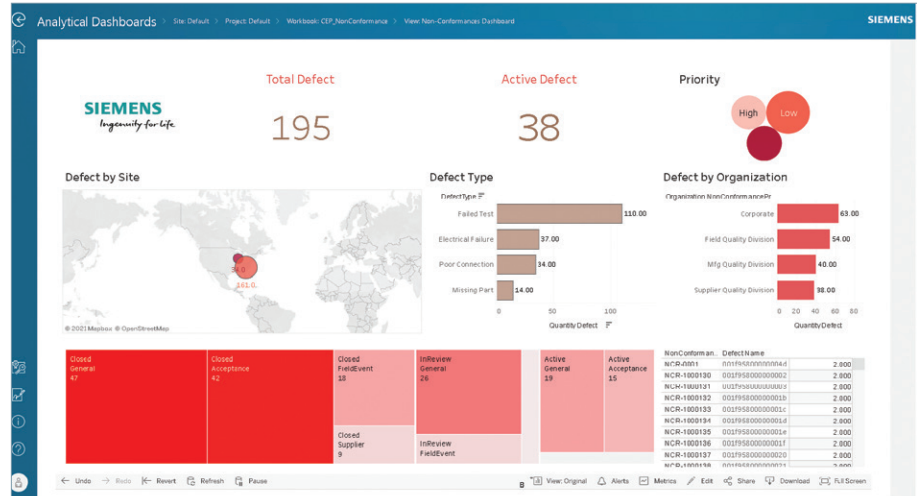
- Enhance collaboration and visibility across company silos
- Increase efficiency and productivity
- Better make-versus-buy decisions
- More accurately predict delivery times
- Continuously updated information
- Improve decision making

### Answers to market demands

Digitalization is revolutionizing our economy and business models. Customers are increasingly able to tell manufacturers exactly what they want and when. To address this challenge, manufacturers need to significantly reduce their time-to-market while massively increasing flexibility to enable individualized mass production while reducing energy and resource consumption. Solutions to address this challenge are developed by initiatives such as the Internet of Things and Industry 4.0.

### MES/MOM for the digital enterprise

Siemens helps manufacturers become digital enterprises by enabling them to digitalize and integrate the entire industrial value chain through product lifecycle management (PLM) solutions, manufacturing execution system (MES) and manufacturing operations management (MOM) solutions and Totally Integrated Automation (TIA) equipment. MES/MOM is the core element linking PLM to shop floor automation and providing manufacturers with a real-time industry software layer. Siemens MES, quality management system (QMS), advanced planning and scheduling (APS) and enterprise manufacturing intelligence (EMI) solutions are part of its MOM system, offering a holistic approach to improving manufacturing operations performance and consolidating the management of production execution, sequencing, nonconformance handling and end-to-end quality within one system.



# Opcenter Intelligence

Siemens MOM solutions standardize and optimize manufacturing processes to minimize lead times, optimize asset utilization, reduce global time-to-market and increase production visibility and responsiveness. The solutions are part of the Xcelerator™ portfolio of integrated solutions and services from Siemens Digital Industries Software.

## Features

- Uniform platform for operational and enterprise data provides a common vision across the company
- Governance and data integration for MOM ecosystem
  - Manufacturing analytical data model based on standards (ISA-95)
  - Project management and automatic deployment capabilities
  - Out-of-the-box configuration enabling dedicated industry functionalities
- Self-service data management to fulfill new business needs
  - Data model extension for any third-party data
  - Automatic data management – no information technology (IT) skills required
- Self-service analytics enable everyone to analyze and discover new business values
  - Historical and near real-time data analysis

- Provides tools to create web-based dashboards and reports, accessible from different types of devices (laptops, tablets, and others)
- Dashboard and reporting with HTML5 user interface
- Key performance indicator (KPI) definition and calculation
- Scalable solution from plant to enterprise

Opcenter™ Intelligence software is a modern enterprise manufacturing intelligence solution targeting the current and upcoming transformational technologies that are shaping the future of data analytics for manufacturing: mobile internet, cloud computing and advanced analytics.

Opcenter Intelligence connects, organizes and aggregates manufacturing data from disparate company sources into cohesive, intelligent and contextualized information to help gain immediate and actionable insights. The information includes process data combined with business information, operations data and KPIs that affect manufacturing.

Opcenter Intelligence gives users a big-picture perspective of the information, providing tools to create web-based dashboards and reports accessible from everywhere, enabling self-service data exploration and allowing spot trends and other data relationships that otherwise may not be apparent when looking at different spreadsheets or reports.

## Powerful analytics and reporting

Opcenter Intelligence extends the Siemens MOM solution by providing the capability to apply analytics and reporting techniques to operations and business data at the site, regional and global levels.

Opcenter Intelligence integrates, connects and unifies data sources – such as laboratory information management system (LIMS), enterprise resource management (ERP), MES, QMS, APS and others – into one accessible analytical data model providing capabilities to explore and drill down into contextualized data.

Opcenter Intelligence is used at the plant level to improve collaboration and data exchange between the plant floor and enterprise systems, and at the enterprise level to benchmark and compare production runs or predict various plant operations. As data from different sources are combined, they can be put into a new context or aggregated to provide users with a different and more complete perspective of operations, regardless of where the data originated.

Opcenter Intelligence provides flexible reporting and analysis tools that enable companies to present data to the right people and with the appropriate visualization for different use cases: paginated reports, operational dashboards, analysis and analytics dashboards.



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