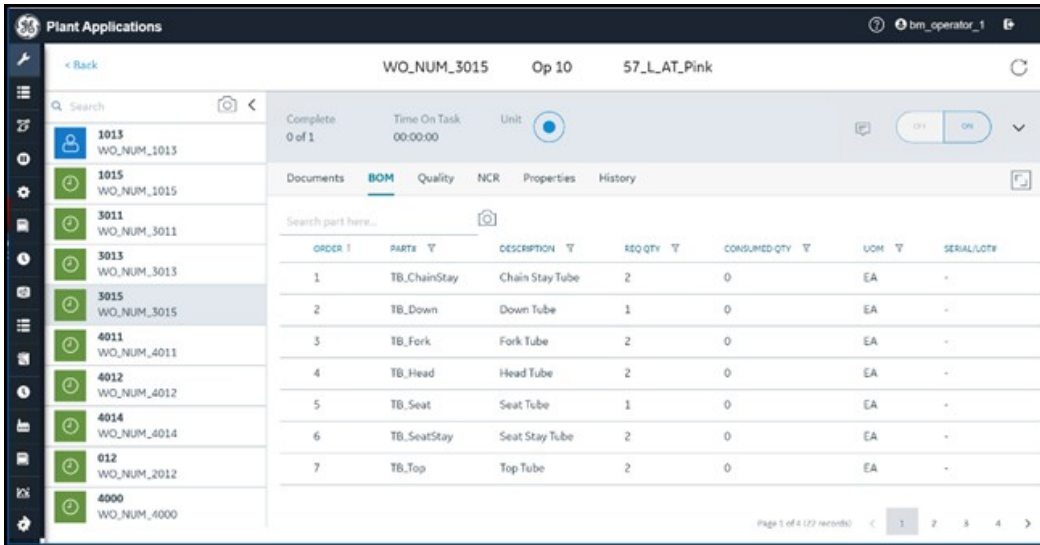


Modern, Hybrid, Mobile-First MES/MOM Solution



New Features

New Applications: Receiving Inspection, Time Booking, Waste Management (replaces thick client Waste), Process Order Execution (replaces thick client Production Scheduler), Approval Cockpit

Discrete Enhancements: lot-based discrete work order execution including lot splits, various improvements to discrete

Modern Manufacturing Execution System (MES) software to maximize operational effectiveness

Smart Factory from Velotic Software is a powerful operations management solution for process, discrete, and mixed manufacturers – spanning food and beverage and consumer packaged goods to aviation, electronics, life sciences, chemicals and more. This MES solution collects and analyzes data, and helps manage highly automated, fast-moving processes as well as slower moving, labor-intensive jobs.

Proven and developed for 25+ years with thousands of implementations around the world, Proficy Plant Applications automates and integrates information-related activities for managing production execution and performance optimization. It helps balance competing priorities of production operations for maximized operational effectiveness and profitability. As a single, seamless MES solution across manufacturing environments, Proficy Plant Applications reduces costs and saves time.

Our new Version 2025 features a contemporary Web UI with Proficy Operations Hub widgets including Waste and Schedule View, expanded discrete manufacturing capabilities, support for faster deployments with more out-of-the-box ERP integration, and much more.

interfaces including major elements in Non-Conformance and Order Management, support for multiple labor types on operations, in progress work order editor, attach images, configurable mandatory variable data collection in Activities, enhanced authorization capabilities, integration entry points

Architectural Enhancements: Non-Docker and Docker installs for both process and discrete, support for AWS RDS (Relational Database Services)

ERP B2MML messages added

New language support: Czech, Arabic, Chinese, Japanese, Vietnamese

Maximize Outcomes

- Reduce costs and improve agility with one MES solution that uniquely serves your discrete, process, and mixed manufacturing requirements

- Boost operational effectiveness by understanding operations performance down to the individual asset

- Improve performance with capabilities designed to solve the toughest manufacturing challenges and support Continuous Improvement

- Drive precision with the ability to visualize, analyze, optimize, and execute with a closed-loop solution

- Ensure uncompromising quality with GE's renowned expertise in Lean and Six Sigma, as one of the largest manufacturers in the world
- Leverage faster deployment with commercial off-the-shelf (COTS) software, accelerating implementation and ROI

Several Modules Available

Production Management

Define and revise the route and operations required to make a specific product on a specific line. The Production Management module oversees production operations, including functions to control product flow between equipment, develop product genealogy reports, and make schedule changes to reduce excess inventory. It supports production schedule execution and product tracking against scheduled completion times with adjustments to optimize efficiencies. Production management supports full traceability of individual products through every step of the manufacturing process allowing for auditable genealogy and production reporting.

Efficiency Management

The Efficiency Management module tracks and monitors overall equipment effectiveness (OEE) and other critical key performance indicators, downtime, waste, and production counts, MTBF, MTTR, and more.

- Automatically or manually associate events with causes and then analyze to identify root causes
- Summarize and analyze data by context
- Correlate events and reasons to actual production parameters. Utilize standard & ad-hoc reports, and dashboards for real-time decisions

Quality Management

The Quality Management module ensures consistent quality in your products, providing real-time trends, statistics, SPC, and notifications to control quality levels. It integrates process, inspection, and test data from both manual and automated sources and houses this information in one, integrated place – including support for 21 CFR Part 11. Quality Management also attaches operator comments, specifications, recipes, and procedure documents to this information.

Product Management

The Product Management module allows you to create and manage products, product families, product properties and characteristics, specifications and cross references. It is an integral part of Proficy Plant Applications. Product Management also allows you to create bills of material for product families, masters and formulations.

ERP Interface

Plant Applications comes standard with an interface to Enterprise Resource Planning (ERP) systems that allows for automatic import of records from the ERP systems such as Work orders, Process orders, Materials, Material Lots, and Outside Processing (OSP) records. This integration is implemented by means of an integration database and integration services. The integration database stores information necessary for the integration, such as messages that contain work orders, process orders, and materials that are sent by ERP systems. The integration service also includes the ERP Scheduler service, ERP Transformation service, and ERP Import service, which convert the work orders, process orders, and materials into a JSON file (as needed), import them into Plant Applications, and maintain status information in the integration database.

Batch Analytics

With our unique layered applications approach and interface to standards-based commercially available batch execution systems, the Batch Analysis module is a great fit for both new and existing systems. It supports ISA-88 recipe analysis for products as formulation (BOM), procedures, and equipment. Batch Analysis also provides analysis of scheduled and completed recipes and generates electronic batch records (EBR) to help increase the overall quality and consistency of products.