

PROFICY SMART FACTORY – CLOUD OEE FROM GE VERNOVA



Quickly measure, control and improve efficiency with GE's managed service, hosted in the cloud

Reduce OEE manufacturing software costs by 30%* with GE Vernova's Cloud OEE while accelerating time to value

Proficy Smart Factory – Cloud OEE from GE Vernova is a powerful operations management solution that reduces costs to improve overall equipment effectiveness (OEE) and accelerates results. This cloud-based 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, GE Vernova's leading Proficy manufacturing solutions are now available as a managed service, hosted in the cloud. Choose cloud only or mix cloud and on-prem MES to meet your enterprise needs.

The Cloud OEE module tracks and monitors 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
- Use standard & ad-hoc reports & dashboards for real-time decisions

*Compared to on-premises manufacturing efficiency solutions

OUTCOMES

- Reduce costs and accelerate efficiency improvements with a proven MES, hosted in the cloud – spanning your process, discrete and mixed manufacturing environment needs
- 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
- Achieve fast ROI with an economical, cloud-based OEE solution

01 Run more efficiently

- Reduce costs caused by excessive waste and downtime as well as poorly performing equipment and resources
- Recover existing production capacity through more reliable equipment

02 Make better decisions

- Make data-driven decisions about best practices, capital expenditures, and process improvement initiatives based on those that return the greatest value
- Optimize output of plant equipment, personnel, and materials through comprehensive KPIs

03 Reduce costs and achieve flexibility

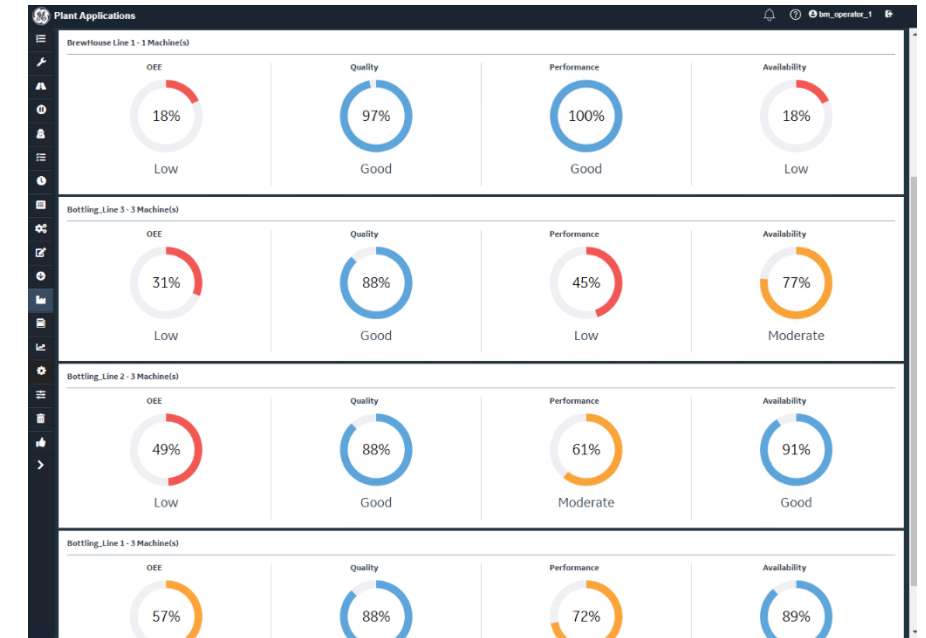
- Decrease total cost of ownership with a cloud-based solution, saving 30% compared to on-prem solutions
- Increase affordability for OEE projects regardless of company/plant size
- Use just cloud or mix cloud and on-prem MES across your plants for flexibility across your enterprise
- Reduce on-prem infra requirements
- Eliminate the cost for IT/OT management staff on-site to manage your MES

04 Accelerate time to value

- Ensure expert setup for data flow and getting the system running through GE's Professional Services
- Enable OEE monitoring for daily management and continuous improvement

05 Secure access to data

- Access data securely from anywhere

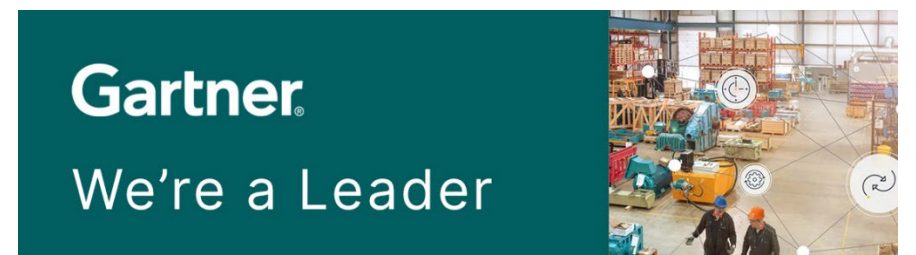


Improve your efficiency quickly and easily with GE Vernova's proven OEE solution, hosted in the cloud.



04 Real Results from Proficy

- \$5M/yr quality savings
- >\$10M energy savings
- \$500K annual waste savings
- \$200K/yr SKU cost reduction
- \$0.01/case SKU formula savings
- \$850K/yr efficiency savings
- 30% faster product introductions
- 39% decrease in downtime events
- 25% defect reduction
- 50% waste reduction
- 20% OEE improvement
- 90% waste reduction
- 10-15% energy savings
- 80% reduced emissions
- 3-month MES payback
- 90% decrease in holds



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Features

Cloud OEE: Capabilities Overview

Track & monitor production performance & other KPIs

- OEE and uptime
- Track downtime, waste and production counts
- Automatically or manually associate events with causes

Analyze equipment effectiveness to identify root causes

- Summarize and analyze data in context
- Correlate events and reasons to actual production parameters

Standard & ad hoc reports, dashboards for real-time decision-making

- Analysis and visualization
- Detailed production data for long-term analysis

Architecture

- Cloud only
- Mixed cloud and on-prem MES for the flexibility to meet the needs of your enterprise and plants

As a Service: Offering Description

- Quick Start with OEE: Mandatory 10-week program for configuring one line (or 5 machines)
- Fully hosted and managed: Proficy Smart Factory hosted in the cloud, managed by GE Vernova
- Concierge service: Configures Proficy Smart Factory after Quick Start, special intro offer of concierge services included in price for the first year, single touch point
- On-premises integration (optional): Hook up wiring and configure on-premises software to collect data

Additional Cloud-Based Modules Available

- Production Management
- Quality Management
- Batch Analysis
- Proficy Manufacturing Data Cloud
- Proficy Historian

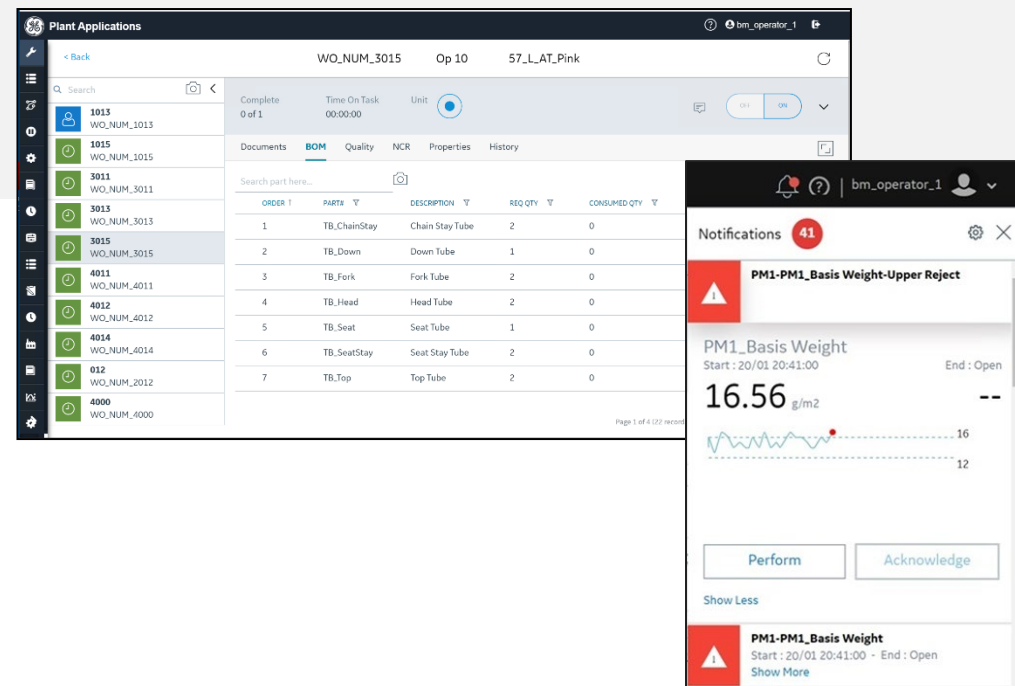
Proficy Smart Factory: Faster ROI with Proven MES

- Clearly shows areas/causes of productivity losses such as defects, waste, and downtime
- Scalable MES platform for all manufacturing environments – continuous, discrete and hybrid
- Turns production data into performance metrics – monitors automatically & manages consistently
- Operations performance management best practices from the world’s leading companies
- Standards-based (S95) unified manufacturing database
- Contemporary Web UI with Proficy Operations Hub widgets including Waste and Downtime Views
- Frees operators from collecting, logging, and interpreting information manually
- Extensive reporting & analysis tools find problems and drive activities for improvements
- Service oriented architecture for easier enterprise connectivity & fast deployment

Proficy Smart Factory: Other Capabilities and Features

- Track order completion status
- Load set points automatically
- Manage material delivery to the process
- Track true/actual resource consumption and feed back to ERP
- Drive label printing and identification
- Assure product genealogy/traceability
- Track and analyze batch processing information
- Integrate log-sheet information for real-time performance and quality management
- Improve consistency, drive out variability with simple SPC/SQC
- Send COAs to customers automatically
- Support regulatory and internal compliance (energy, environmental, food safety, costs, etc.) – including eSignature capabilities and 21 CFR Part 11 support
- Drive manual and automated work processes

Consult [product documentation](#) for hardware/software requirements. Confirm standard vs optional features with GE Vernova representative. Specifications are subject to change without notice. Results and functionality vary, depending on existing hardware/software, applications, implementation, and other factors.



Learn how Proficy Smart Factory – Cloud OEE helps you balance the tradeoffs between competing production priorities and maximize your operational effectiveness.

LEARN MORE

Empower the modern Connected Worker and operating teams with easy, flexible access to their manufacturing data for better decision making – including real-time interaction on mobile devices.