

# LIFE IS BETTER IN THE CLOUD

How Proficy® Smart Factory Cloud MES Helps Manufacturers Do More With Less

Manufacturers have taken some hard hits over the last few years — and the challenges haven't stopped.

What are the top challenges facing manufacturing companies?

- Supply Chain Disruptions
- Material Shortages & Price Increases
- Changing Market Demands
- Talent & Labor Shortages
- Rising Oil & Gas Prices
- Sustainability & Zero-Carbon Emission Goals
- Increasing Inflation

— Colin Henry, Sr. Product Manager of Proficy Smart Factory Cloud, Digital at GE Vernova

Digital transformation is key.

Despite these numerous challenges, manufacturing companies are still aiming to:

- Deliver high-quality products at the lowest cost.
- Ensure safety & traceability from supply to finished / manufactured products.
- Exceed sustainability goals and measures to align with business and market demands.

Digital solutions are essential to achieving these goals and unlocking the door to maximum profitability.

The pandemic was an inflection point where ongoing disruptions such as labor and material shortages fueled the desire and need to leverage digitalization to improve production visibility. Today, digitalization remains the greatest competitive advantage, allowing companies to be more prepared to face supply chain challenges and deliver improved profitability and scalability despite the headwinds.

— Vikram Mankar, Principal Product Manager of Proficy Smart Factory, Digital at GE Vernova

Why leverage Manufacturing Execution System (MES) software in your plant?

Manufacturing Execution System (MES) software, such as Proficy Smart Factory MES software, serves as a management solution that collects, contextualizes, and analyzes data to help plants manage their manufacturing processes. It can be used for efficiency (OEE) or as a fully functional MES to manage quality, production, and end-to-end traceability. Both solutions offer various benefits, including improvements to:

## AVAILABILITY

- Analyze data to identify root causes of issues
- Identify ways to improve uptime while reducing downtime
- Optimize maintenance and processes with predictive capabilities
- Use standard & ad-hoc reports and dashboards for real-time, data-driven decisions

## PERFORMANCE

- Implement operations performance management best practices
- Track and monitor critical KPIs such as production, downtime, waste, MTBF, MTTR, and more
- Improve OEE (availability, performance, quality)
- Optimize utilities usage for cost saving and sustainability

## QUALITY

- Improve consistency and drive out variability amidst a changing/evolving workforce
- Ensure products are made right the first time
- Enable real-time product/process quality analysis and control
- Reduce waste, scrap, and recall costs

## TIME TO MARKET

- Accelerate time to market and boost competitiveness with a connected enterprise
- Increase your ability to compete and penetrate new markets while streamlining the production of existing products

[After investing in an MES for OEE], we measured an increase in production efficiency of 10%, which represents \$850,000 per year savings. With pay-back in three months, we have been delighted with the ability to monitor KPIs such as OEE using the GE production management software and drive our productivity improvements.”

— Project Manager, Major Global Manufacturer

10% INCREASE IN EFFICIENCY

Demystifying the cloud.

Deploy our MES software as a cloud (SaaS or VPC), hybrid cloud, or on-premises solution

WHY CHOOSE THE CLOUD?

30% LOWER TOTAL COST OF OWNERSHIP

Cloud-based software and services utilize vendor cloud provided services to store and enable access to data rather than local networks and computers.

Historically, limited by internal hardware budgets and support requirements for on-premises IT infrastructure, the technology used by larger corporations to increase efficiencies was less accessible to small and medium-sized businesses.

By eliminating the need for organizations to buy and manage their own IT infrastructure, cloud-based MES software is leveling the playing field, enabling companies of any size to do big business and redeploy valuable IT resources to other value-added tasks to support the business.

A cloud-native OEE manufacturing software like Proficy Smart Factory Cloud OEE can save 30% compared to an on-premises solution.

MOVING TO THE CLOUD ALSO MEANS...

**Enhanced performance**  
Supporting software is included in a cloud-based solution, with the added benefit that software will automatically update with the latest features and newest releases.

**Increased security**  
A cloud-based solution can support faster turnaround for security patches without reduction in performance due to updates — all managed at scale.

**Improved access**  
Authorized employees can securely access data whenever and wherever they need to make informed decisions about production operations, enabling enhanced data-driven decision making from a single factory through a multinational organization with factories around the globe.

**Accelerated time to value, faster ROI**  
A cloud-native solution can offer a lower total cost of ownership and faster ROI than a traditional software solution. Software partners like the Digital Business at GE Vernova also provide expert services that assist with setting up the system and data flow.

Unlike an on-prem solution, a cloud-native solution will support and descale as you need it to support your organization's operations, so you don't have to spend more than necessary to secure high performance.”

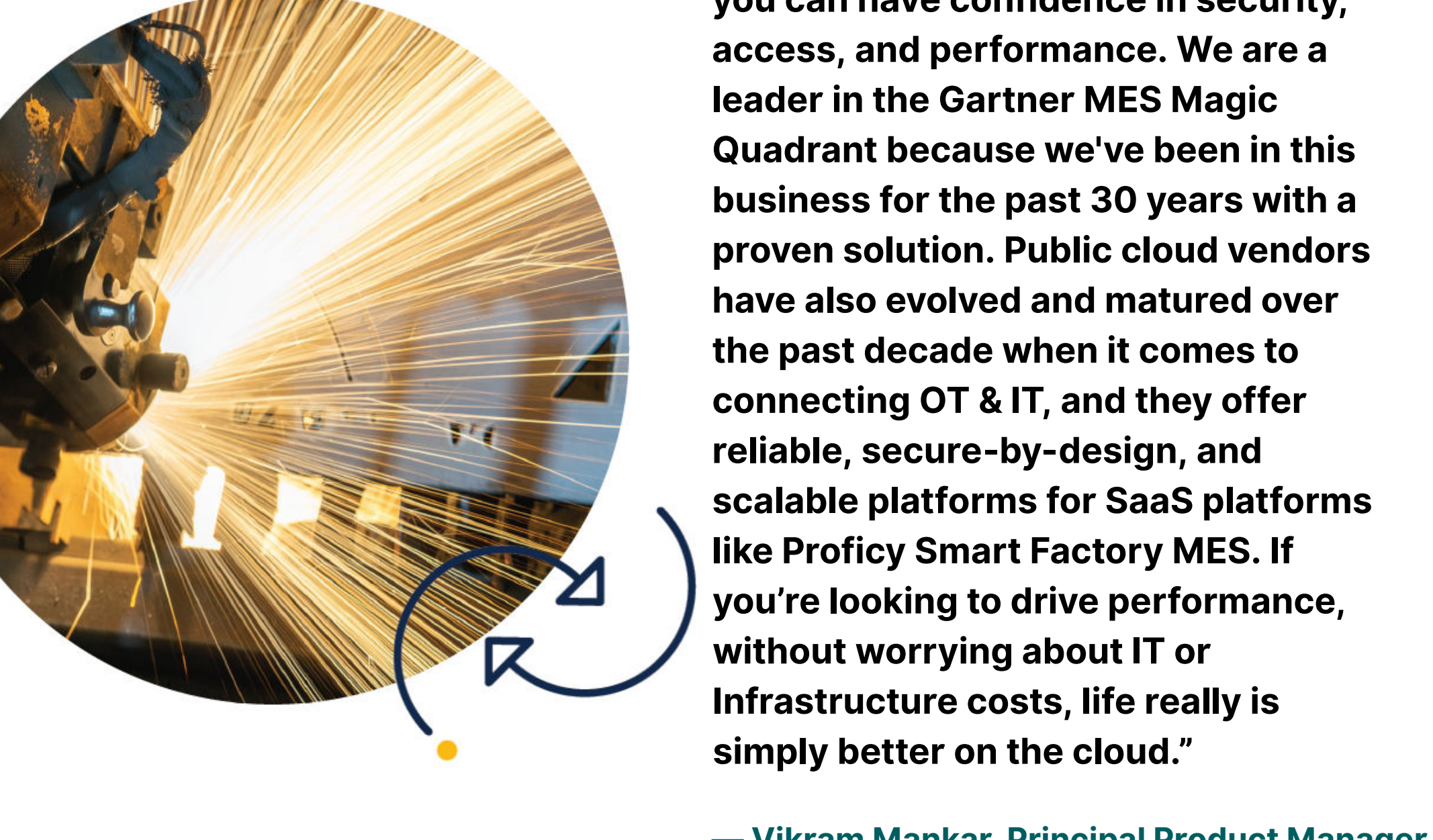
— Colin Henry, Sr. Product Manager of Proficy Smart Factory Cloud, Digital at GE Vernova

Ready to improve your plant's efficiency — with the cloud?

Proficy Smart Factory Cloud MES is the only proven cloud-based digital solution via AWS Marketplace that enables diverse manufacturers to quickly measure, control, and improve efficiency and reduces OEE manufacturing software costs by 30% compared to on-prem solutions.

It provides all the same benefits as our proven MES solutions with simplified adoption.

Real Results from Proficy Software\*



When it comes to moving to the cloud, you can have confidence in security, access, and performance. We are a leader in the Gartner MES Magic Quadrant because we've been in this business for the past 30 years with a proven solution. Public cloud vendors have also evolved and matured over the past decade when it comes to connecting OT & IT, and they offer reliable, secure-by-design, and scalable platforms for SaaS platforms like Proficy Smart Factory MES. If you're looking to drive performance, without worrying about IT or infrastructure costs, life really is simply better on the cloud.”

— Vikram Mankar, Principal Product Manager Proficy Smart Factory, Digital at GE Vernova

20,000 companies around the world use Proficy software.

Learn more from GE →

Purchase today on AWS →

IT'S TIME TO JOIN THEM.