

# Proficiency Open Enterprise

Delivering visibility from the top floor to the shop floor

## Key benefits

- Improved operations to realize a sustainable advantage
- Increased visibility into the manufacturing process due to connected data
- Better decision making to increase capacity
- Timely identification of production issues
- Faster responsiveness to customer needs
- Quick time-to-value due to standards-based features and out-of-the-box tools
- Improved accuracy of inventory data

To achieve a sustainable advantage, manufacturers need increased visibility from the top floor to the shop floor to view and coordinate the status of orders, inventory changes, and overall process performance. Seamlessly connecting manufacturing processes with the enterprise layer requires tight yet flexible integration between your enterprise systems and site production systems.

Proficiency\* Open Enterprise from GE Intelligent Platforms is a powerful application that connects your enterprise systems to the Proficiency suite of solutions, using ISA-95 and B2MML standards to communicate valuable information. It allows decision makers at the enterprise level to leverage real-time information about production processes—providing increased visibility and insight for better business decisions.

## Connected data

By enabling real-time orders to be downloaded into the production layer from your enterprise systems and for performance information to be uploaded to your enterprise systems—Proficiency Open Enterprise acts as a bi-directional transport of data between the two layers.

Data is input from enterprise systems and stored within Proficiency SOA structures—where it can be used inherently by Proficiency Workflow or transferred to other applications, including Proficiency Plant Applications or third-party applications through service providers.

Enabling you to harness the power of the Industrial Internet through connectivity, Proficiency Open Enterprise connects your enterprise systems to the MES layer.



# Proficy Open Enterprise

## Features and capabilities

**Single interface from enterprise systems to the Proficy suite of solutions** – Seamless connectivity to get order information into Proficy SOA's ISA-95 model, allowing access to other GE Intelligent Platforms and third-party applications via service providers and web services.

**Bi-directional communication between enterprise systems and site production systems** – System handles the download of schedule messages and the upload of performance messages; out-of-the-box support for material information, including classes, lots and sublots; out-of-the-box support of product definition segment; ability to parse all B2MML message types for usage within the system.

**Standards based** – Utilizes the ISA-95 and B2MML standards to allow easy communication between the enterprise and production layer.

**Middleware Independent** – Connection to enterprise systems facilitated through third-party middleware, supporting B2MML standards.

**Message routing** – Easily routes production data to other GE Intelligent Platforms products and third-party applications.

**Activities/Templates for upload/download** – Download parses production schedule message and either routes to appropriate product or stores within the ISA-95 model; upload creates production performance message to be sent to enterprise systems; ability to get material information communicated between ERP and MES, including definition, class, lot and subplot information; ability to get product definition communicated to ERP layer.

**B2MML Content Editor** – Checks upload and download messages for possible errors and issues immediate warnings to users; also allows users to review and approve transactions before they are committed.

**Object Model** – Maps to B2MML message standard and allows users to easily manipulate B2MML data and link that data to activities within a workflow.

**Service Provider** – Allows users to easily save, change, or delete production data from the ISA-95 model of Proficy SOA.

**64-bit Support** – Allows users to take advantage of 64-bit hardware to help scale their ERP-MES implementation.

## System requirements

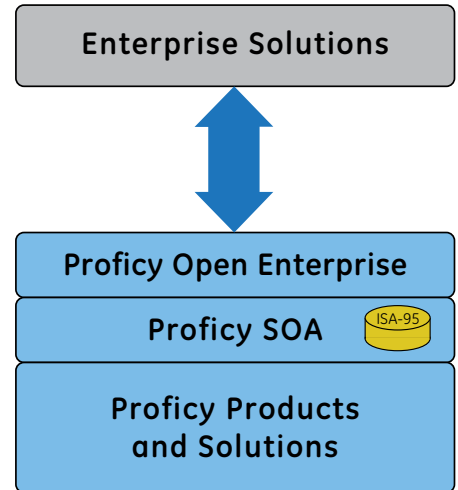
### Operating Systems

- Microsoft® Windows® Server 2012 x64 Native
- Microsoft Windows Server 2012 x64 WoW
- Microsoft Windows Server 2012 x32
- Microsoft Windows Server 2008 R2 x64 SP1 Native
- Microsoft Windows Server 2008 R2 x64 SP1 WoW
- Microsoft Windows Server 2008 SP2 x32

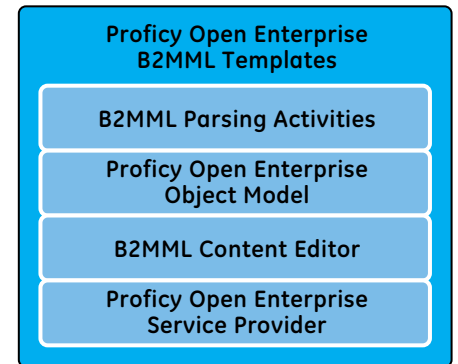
### Database

- SQL Server 2012
- SQL Server 2008 R2 SP2 x64

For more information, visit [www.ge-ip.com/openenterprise](http://www.ge-ip.com/openenterprise)



Proficy Open Enterprise facilitates information exchange between the business systems and production floor systems--enabling information to be where it needs to be for up-to-the-minute decision making.



Proficy Open Enterprise offers many out-of-the-box tools for easy deployment.

## GE Intelligent Platforms Contact Information

Americas: **1 800 433 2682** or **1 434 978 5100**

Global regional phone numbers are listed by location on our web site at [www.ge-ip.com/contact](http://www.ge-ip.com/contact)

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