

# Proficiency Open Enterprise v1.2

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
- 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.

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.



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## 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.

**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.

**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.

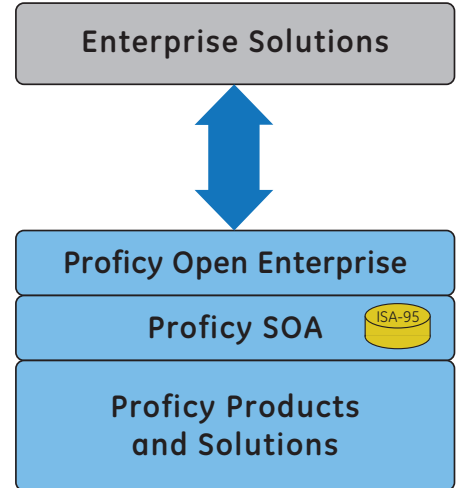
## System requirements

### Operating Systems

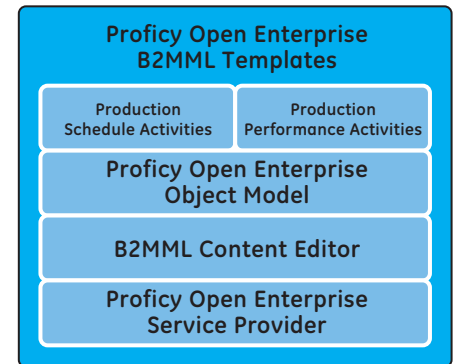
- Windows® Server 2003 R2
- Windows XP SP3 (Client)

### Database

- SQL Server 2005 SP3



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.

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

## 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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