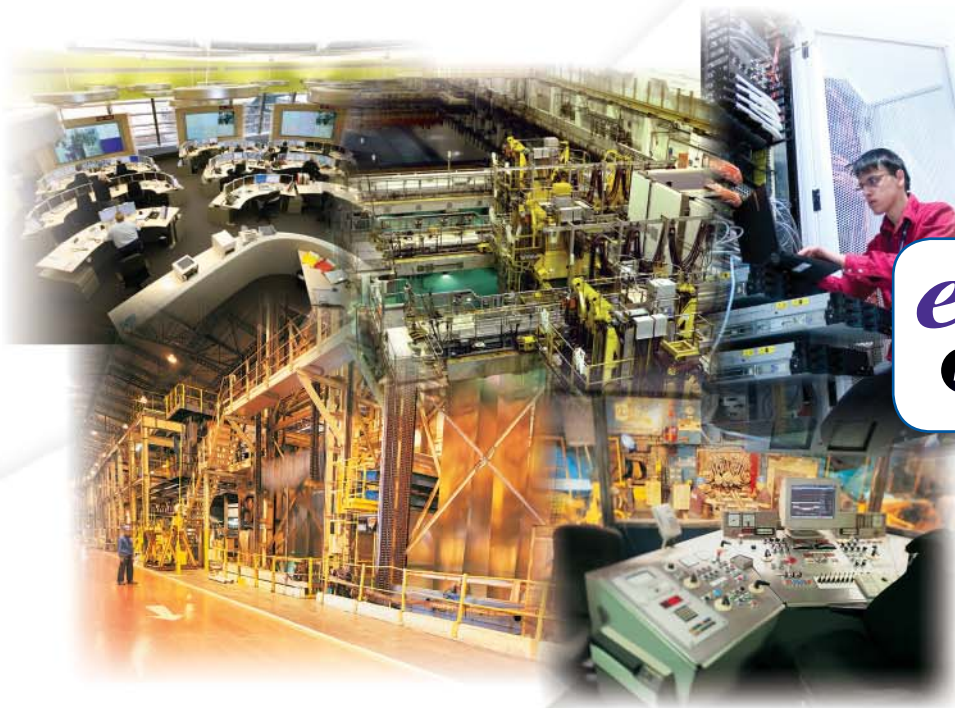


# Manufacturing IT Expertise

## Information Management for Automation

### From data to information

Process shop floor numbers to reveal productivity



**e-Factory**  
Partner Product

**CONNECT**

Use Atos Origin's expertise to make sense of plant data

**SUCCEED**

Leverage SAP systems to realize business goals

**INTEGRATE**

Combine IT systems into a single source of company data

**TRUST**

Benefit from over 25 years of implementation experience

# Discovering new productivity

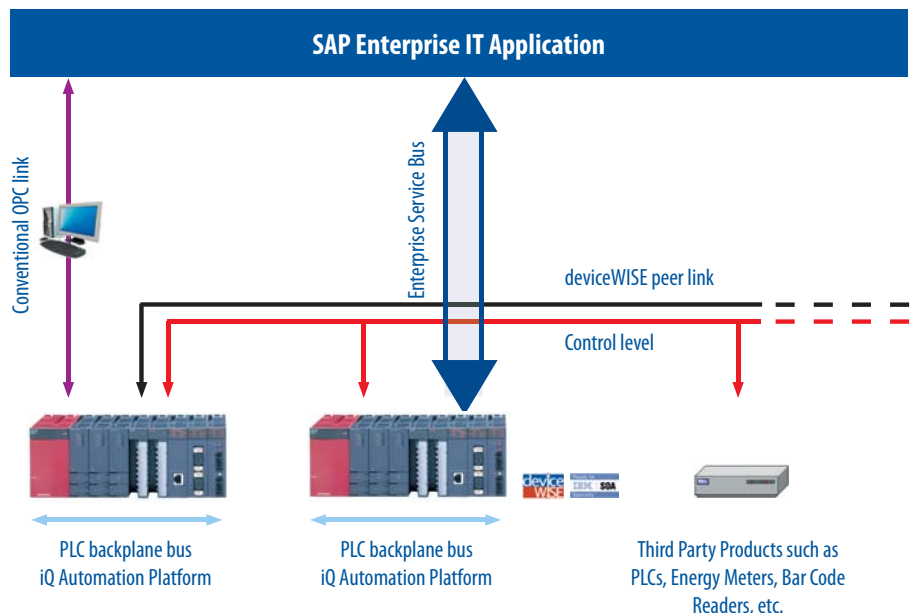


## Completing the solution

Mitsubishi Electric's MES Interface IT is a proven solution for getting data out of shop floor systems and providing it to enterprise IT systems. Its capabilities include direct communication links with leading enterprise IT systems. By providing a direct link, cost of ownership is significantly reduced, since no maintenance intensive and vulnerable intermediate PC infrastructure is required. Instead, an industrially hardened, dependable interface links direct from the shop floor controllers into the enterprise IT systems.

By creating the e-F@ctory Alliance, Mitsubishi Electric has actively sought out partners to extend the capability of our own solutions by combining them with complementary best in class solutions of their own. The aim is to provide comprehensive solutions that go beyond the boundaries of a traditional automation supplier.

Atos Origin joins the e-F@ctory Alliance as a partner who takes over from where the MES Interface IT leaves off. Mitsubishi Electric provides the data to the enterprise, and Atos Origin provides solutions for taking this data and making it available across the enterprise in the form of transparent, actionable information.



## Atos Origin and SAP

Atos Origin ([www.atosorigin.com](http://www.atosorigin.com)) is one of the world's leading IT services company. It has over 5000 SAP consultants world-wide who have completed more than 1500 projects. To help support manufacturing industry, Atos Origin has established several Centers of Excellence which offer preconfigured solutions and best practices for target industries such as automotive, chemicals, pharmaceutical, oil and gas and consumer packaged goods. In turn, this provides faster implementation and higher application management efficiency.

SAP AG almost needs no introduction. Their systems have become an industry standard throughout the world and are an essential part of many of the world's leading companies.

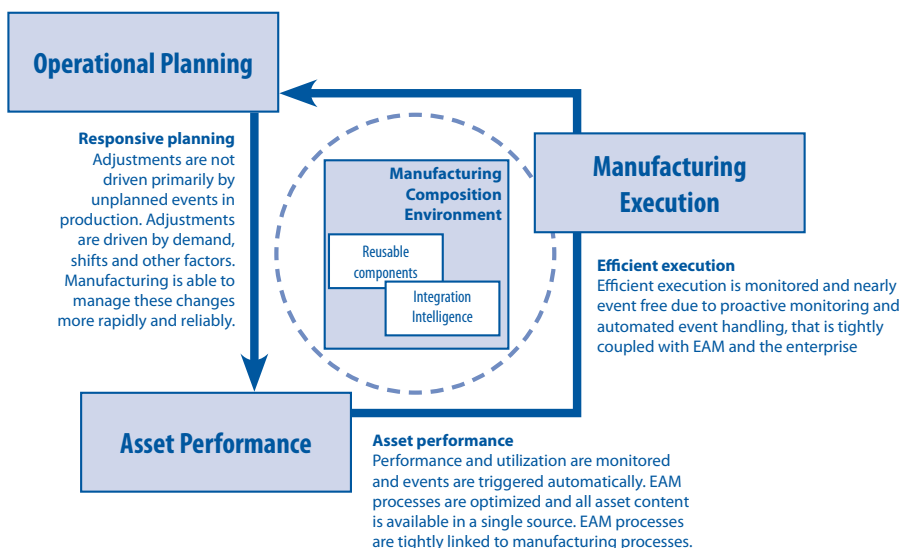


Discover the latent potential in your plant

## True integration

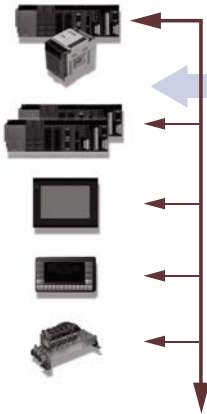
Atos Origin offers the SAP Maximize Manufacturing Together (MMT) Perfect Plant initiative to provide a comprehensive solution to the challenges facing manufacturing companies. MMT is an initiative developed by SAP's Industry Business Units. A successful implementation of MMT produces a "Perfect Plant"; one in which the key enterprise IT systems (ERP and MES) have been integrated to produce a single source of company data. Some key benefits of the MMT approach are: reduced manufacturing costs and waste, improved efficiency, production scheduling and plant utilization and a higher return on capital employed.

The MMT Perfect Plant balances three key aspects of the manufacturing enterprise. These are operational planning, manufacturing execution and asset performance. Often the data required to successfully perform this balancing act is buried in shop floor systems and cannot be seen across the company. The Mitsubishi Electric MES Interface IT solution addresses this key challenge and hence provides the necessary enabling technology for a successful MMT implementation.



## Shop Floor      MES Interface IT      Maximize Manufacturing Together

- Mitsubishi PLCs:  
iQ Platform, FX
- Third party devices  
Controllers/PLCs  
Omron, Rockwell,  
Siemens
- IPCs  
RFID reader
- Intelligent devices  
(ex. vision systems)
- Devices  
(ex. energy meters,  
barcode readers, etc.)

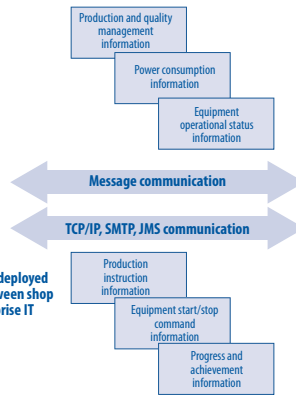


Message communication

### MES Interface IT



Simple, rapidly deployed  
connection between shop  
floor and enterprise IT



### SAP Enterprise IT System

- Reduced TCO
- Optimized operation and service delivery
- Common integration model and process definition
- Common platform
- Maximized innovation and business values

### IT Server Support for:

- Compatible platforms**
- UNIX
  - Linux
  - Windows

### Compatible databases

- DB2
- Oracle
- MS SQL Server

### Compatible communication equipment

- IBM WebSphere MQ
- IBM WebSphere SIB (JMS)
- TCP/IP
- SMTP
- HTTP

Direct connection to information systems

### Terms used:

- MQ      Message Queue
- JMS     Java Messaging Service
- MES     Manufacturing Execution System

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