

MES IT

IT Interface Modul

Streamline your business
for improved profitability



e-Factory
Partner Product



Capture manufacturing and test data at every stage of production for greater quality control



Easy connection to database and enterprise systems in less than 10 minutes

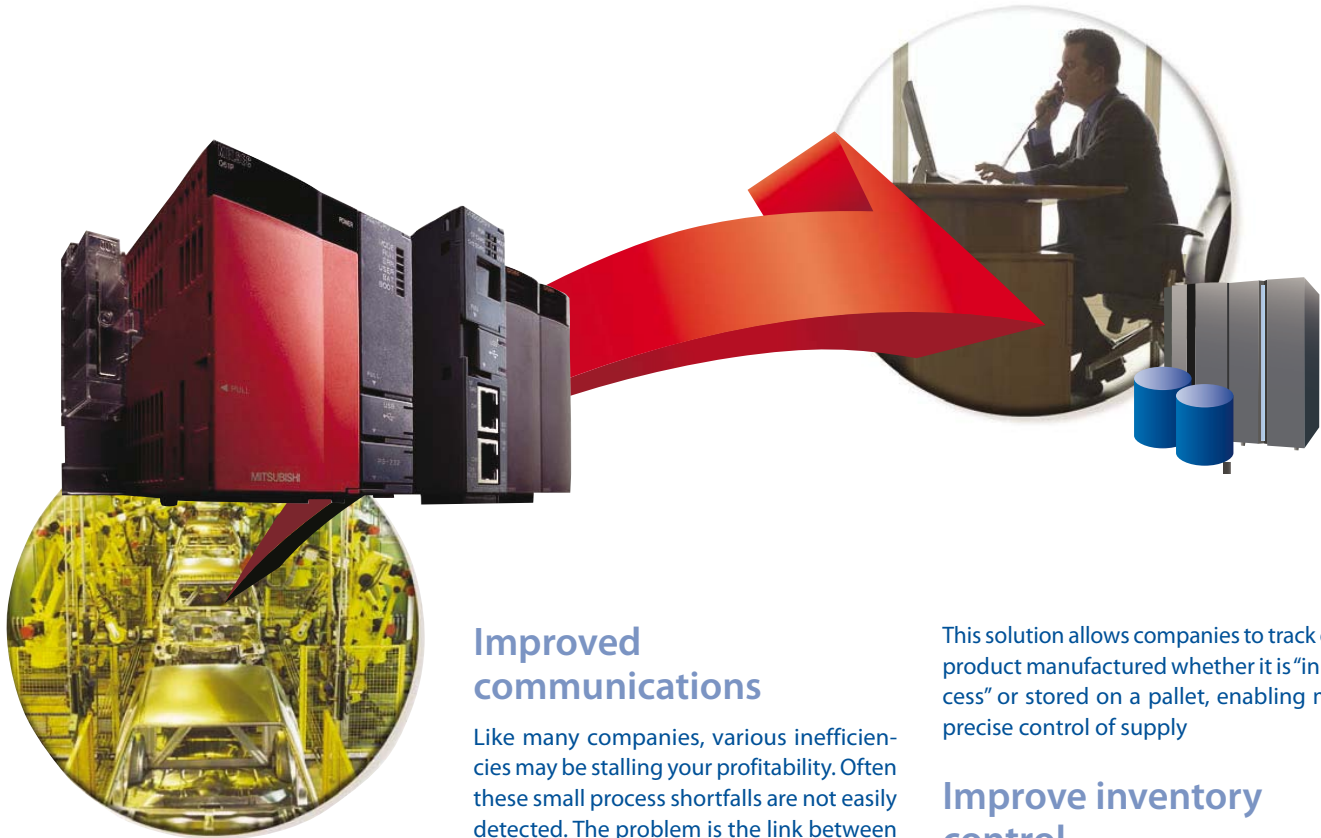


Real time information means real time decisions that can improve profitability



Built in, safe user management control protects systems and data

Real time decisions from real time data



Flow control application in the automotive industry

Improved communications

Like many companies, various inefficiencies may be stalling your profitability. Often these small process shortfalls are not easily detected. The problem is the link between the production environment and the enterprise is weak.

That is where the Mitsubishi Electric MES Interface IT hardware, with its embedded deviceWISE core and EZSocket connectivity, helps businesses tap into the data they need quickly, efficiently and securely, so they can make more intelligent decisions and create a clear path to efficiency, peak productivity and effective supply chain management.

Improve tracking

Mitsubishi Electric's MES Interface IT is a part of Mitsubishi Electric's iQ Automation Platform (PAC concept). It can be used to capture information from all sorts of devices including other programmable logic controllers (PLCs) and send it directly to MES and inventory management applications.

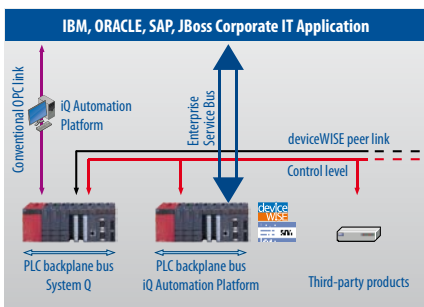
This solution allows companies to track each product manufactured whether it is "in process" or stored on a pallet, enabling more precise control of supply

Improve inventory control

Software tools and bar codes let you know what the contents of each production unit are and where the unit is placed in storage. When enabled by MES Interface IT, these tools make it easy to maintain a running inventory and quickly find products to fill orders efficiently.

Avoid recalls

A company's profits can be severely eroded if, during batch production, defective products are produced unnoticed. By implementing MES Interface IT at line side, it can report information directly back to your database management solution, such as an Oracle, SQL, IBM DB2, Raima DB, MySQL and Postgres database, for use in your ERP and MES analysis tools. ROI can be achieved in a very short time as the exact location of a defective product and the moment the deviation is noted can be found quickly.



Communicate with most database and business software

Reduce programming

Sending messages back and forth between plant floor and enterprise applications becomes effortless when programmers have access to the simple menus that are used to configure Mitsubishi Electric's MES IT solution to work with database tools such as IBM MQ series applications. Without time-consuming programming, data can be extracted at anytime with point-and-click ease.

Protect systems from failures

PLC technology has long had the reputation for high reliability, and this is especially true of Mitsubishi Electric's. The same is also true of the high availability servers used to host your companies ERP and MES database solutions. By linking these two high reliability systems together using the MES Interface IT users can benefit from the knowledge that their systems have a strong resilience to failure.

Security built in

In a world where information and data security is becoming ever more important the MES IT module allows user access to be tailored to their information needs. IT teams can access automation process data without fear of inadvertently affecting operational processes while still allowing engineering staff to carry out their normal functions with no risk to IT infrastructures.

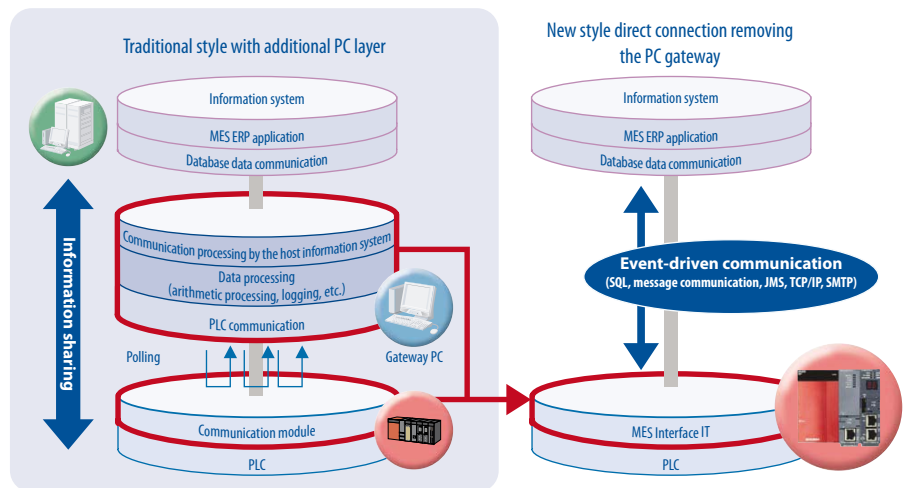
Streamlining business

The result of this deep integration means the business architecture can be simplified. Reduced numbers of fields PC's with their inherent overheads in processing, maintenance and reliability which results in significant reductions to infrastructure complexity and cost.

Furthermore, this also means implementation is quicker and data resilience is greater as there are less points of failure.



Improved flow of information

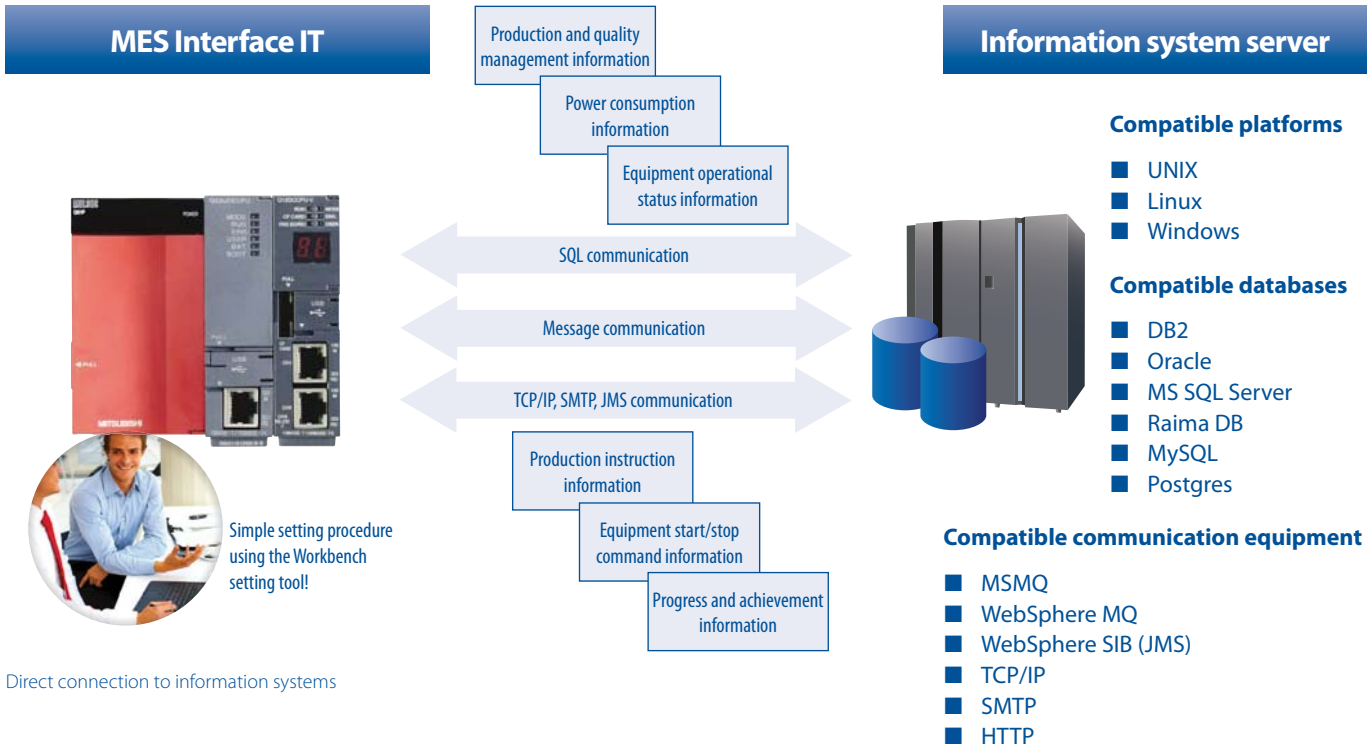


Integration between production systems and management systems can streamline business performance

Who benefits?

This system solution for full integration of production and business data is aimed in particular at companies in high-tech industries like car manufacturers and their suppliers but also to data rich or data critical production processes found in food, beverage and pharmaceutical industries. In general it is attractive for all companies with heterogeneous system environments who need to be able to respond efficiently to rapidly-changing market situations.

Connectivity



Terms used:

- CRM** Customer Relationship Management
- ERP** Enterprise Resource Planning
- ESB** Enterprise Service Bus
- IBM MQ** IBM Message Queue
- JMS** Java Messaging Service
- MES** Manufacturing Executon System
- PAC** Programmable Automation Controller
- PLC** Programmable Logic Controller
- ROI** Return On Investment
- SIB** Service Integration Bus
- SOA** Service Oriented Architecture

European Offices

Germany Mitsubishi Electric (Russia) LLC 52, bld. 1 Kosmodamianskaya emb. RU-115054 Moscow Phone: +7 495 / 721 2070	Czech Rep. Mitsubishi Electric Europe B.V. Radlická 751/113e Avenir Business Park CZ-158 00 Praha 5 Phone: +420 251 551 470	France Mitsubishi Electric Europe B.V. (Scandinavia) F-92741 Nanterre Cedex Phone: +33 (0)1 / 55 68 55 68	Italy Mitsubishi Electric Turkey Elektrik Ürünleri A.Ş. Serifali Mahallesi Nutuk Sokak No:5 TR-34775 Ümraniye-İSTANBUL Phone: +90 (0)216 / 969 25 00	Ireland Mitsubishi Electric Europe B.V. Westgate Business Park, Ballymount IRL-Dublin 24 Phone: +353 (0)1 4198800	Netherlands Mitsubishi Electric Europe B.V. Nijverheidsweg 23C NL-3641RP Mijdrecht Phone: +31 (0) 297 250 350	Poland Mitsubishi Electric Europe B.V. ul. Krakowska 50 PL-32-083 Balice Phone: +48 (0) 12 347 65 00
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Representatives

Austria GEVA Wiener Straße 89 A-2500 Baden Phone: +43 (0)2252 / 85 55 20	Belarus OOO TECHNIKON Prospect Nezavisimosti 177-9 BY-220125 Minsk Phone: +375 (0)17 / 393 1177	Bosnia and Herzegovina INEA RBT d.o.o. Stegne 11 SI-1000 Ljubljana Phone: +386 (0)1 / 513 8116	Bulgaria AKHNATON 4, Andrei Ljapchev Blvd., PO Box 21 BG-1756 Sofia Phone: +359 (0)2 / 817 6000	Croatia INEA CR Losinjska 4 a HR-10000 Zagreb Phone: +385 (0)1 / 36 940 - 01 / -02 / -03	Czech Republic AutoCont C.S. S.R.O. Kafkova 1853/3 CZ-702 00 Ostrava 2 Phone: +420 595 691 150	Denmark HANS FØLDSGAARD A/S Theilsgaards Torv 1 DK-4600 Køge Phone: +45 4320 8600	Estonia Electrobit OÜ Pärnu mnt. 1601 EST-11317, Tallinn Phone: +372 6518 140	Greece UTEKO A.B.E.E. Carretera de Rubi 76-80 Apdo. 420 GR-18542 Piraeus Phone: +30 (0)211 / 1206-900	Hungary MELTRADE Kft. Fertő utca 14, HU-1107 Budapest Phone: +36 (0)1 / 431-9726	Kazakhstan TOO Kazpromavtomatika Ul. Zhambyla 28 KAZ-100017 Karaganda Phone: +7 7212 / 50 10 00	Latvia OAK Integrator Products SIA Ritausmas iela 23 LV-1058 Riga Phone: +371 67842280	Lithuania Automatikos Centras, UAB Neries krantinė 14A-101 LT-48397 Kaunas Phone: +370 37 262707	Malta ALFATRADE Ltd. 99, Paola Hill Malta-Paola PLA 1702 Phone: +356 (0)21 / 697 816	Malta OMNI RAY AG Im Schrolli 5 CH-8600 Dübendorf Phone: +41 (0)44 / 802 28 80	Moldova INTEHISIS SRL bld. Traian 23/1 MD-2060 Kishinev Phone: +373 (0)22 / 66 4242	Portugal Fonseca S.A. R. João Francisco do Casal 87/89 PT-3801-997 Aveiro, Esqueira Phone: +351 (0)234 / 303 900	Romania Sirius Trading & Services Aleea Lacul Morii Nr. 3 RO-060841 Bucuresti, Sector 6 Phone: +40 (0)21 / 430 40 06	Romania GIRIT CELADON Ltd. 12 Haomanut Street IL-42505 Netanya Phone: +972 (0)9 / 863 39 80	Slovakia SIMP SK Jána Derku 1671 SK-911 01 Trenčín Phone: +421 (0)32 743 04 72	Slovenia INEA RBT d.o.o. Stegne 11 SI-1000 Ljubljana Phone: +386 (0)1 / 513 8116	Switzerland INEA RBT d.o.o. Im Schrolli 5 CH-8600 Dübendorf Phone: +41 (0)44 / 802 28 80	Ukraine CEG LIBAN Cebaco Center/Block A Autostrade DORA Lebanon-Beirut Phone: +961 (0)1 / 240 445	Lebanon ADROIT TECHNOLOGIES 20 Waterford Office Park 189 Witkoppen Road ZA-Fourways Phone: + 27 (0)11 / 658 8100	South Africa
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Mitsubishi Electric Europe B.V. / FA - European Business Group / Mitsubishi-Electric-Platz 1 / D-40882 Ratingen / Germany / Tel.: +49(0)2102-4860 / Fax: +49(0)2102-4861120 / info@mitsubishi-automation.com / https://eu3a.mitsubishielectric.com

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