IntegraNet is the platform for all manufacturing IT systems including IntegraMES, Epic Data's Manufacturing Execution System. IntegraNet supports data capture, data management, and system interface capabilities and includes application level clustering and real-time status, notifications, and alerts delivered through dynamically updated, event data.

IntegraNet's powerful web-centric application server is the core of the IntegraMES infrastructure and incorporates a configurable Event Engine for Dashboard and Routing/Queuing mechanisms that enlist the latest Enterprise JavaBean specification for the most flexible implementations.

The information-oriented architecture (IOA) allows IntegraNet to access multi-faceted, complex, and cross-facility manufacturing operational information. IntegraNet houses a core infrastructure to harvest big data to achieve informed predictive analysis and drill-through execution. That means your organization has the data it needs at the time it's needed.

**Seamless integration of real-time shop floor data**

Epic Data's IntegraNet enterprise platform simplifies integrating all manufacturing IT systems including MES, PDM, ERP, SCM, PLCM and LIMS. All MES functional areas are supported:

- Operations/Scheduling/Dispatching
- Resource, Labour, Equipment Management
- Process & Quality Management and Performance Analysis
- Data Collection, Product Tracking/Genealogy, and Document Control

**IntegraNet Features**

- Database platform independence
- Guaranteed data delivery, with data synchronization and validation
- Scalability to suit any sized operation
- Configurable event processing
- Remote device management

**MES Applications Integrated with IntegraNet:**

- Scheduling
- Order Management/Dispatching
- Resource Management/Allocation
- Process Management
- Quality Management
- Labor Management
- Maintenance Management
- Product Genealogy
- Data Collection
- Performance Analysis
- Document Control
- Reporting/Dashboard

**Data Input Devices Supported**

- Bar code scanners (1D & 2D)
- Magnetic stripe readers
- Proximity readers
- RFID tag readers, portals
- Weigh scales
- Machine data via OPC

**Data Output Devices Supported**

- UID laser markers
- Barcode label printers
- RFID label printers
- System peripherals (printers, scanners, USB storage devices)
IntegraNet’s Reliable Data Management

IntegraNet’s powerful data and event management system ensures timely delivery of shop floor data and production conditions. IntegraNet supports:

- Application and business logic to drive shop floor clients, management clients, dashboards, and display boards
- Configurable framework for electronic display boards, interactive devices and dashboards.
- External System – send and receive data from the system synchronously and asynchronously.

Powerful Software Platform and Infrastructure

Built on an Information Oriented Architecture (IOA), IntegraNet incorporates the use of multiple 4th generation tools, and allows the use of standard operating systems including Microsoft Windows, Linux and Solaris. This powerful platform achieves:

- **Scalability.** Meet requirements of small to large operations, simple to complex data management, and transactions ranging from batch to sub-second.

- **High System Availability and Clustering.** Eliminate uncontrolled downtime and improve data processing loads.

- **Remote Device Management.** Network staff can configure, administer, control and remotely diagnose all components in an IntegraNet system.

- **Device Provisioning.** Download the latest executable files to a single, group or all device clients at once.

Epic Data’s IntegraMES™

- **Responsiveness.** Real-time response to change-orders, customer orders and supplier issues.

- **Higher productivity and throughput** prevents parts shortages and downtime while quickly responding to changes in demand or supply.

- **Accurate traceability.** Comprehensive support for parts audit trails and product genealogy.

- **Better quality.** Process standardization, parts compliance, and data for continuous improvement efforts.

- **Better corporate information.** Integrated data for ERP, performance reporting, job-costing, and payroll.

- **Higher margins.** Achieve lower inventory costs, improvements in overall manufacturing efficiency, and less waste.

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**The Epic Data IntegraMES Suite**

**Solutions offering Insight and Control for Lean Manufacturing Operations**

IntegraNet is the foundation of Epic Data’s suite of software solutions that help you monitor and manage your manufacturing operations solutions in real-time. Other IntegraMES applications:

- **IntegraTrak™** tracks parts movement, including UID items, to avoid delays and reduce inventory requirements.

- **IntegraProduction™** controls production and collects data from electronic travelers so managers can optimize productivity and quality.

- **IntegraTLC™** tracks workforce labor to optimize productivity and streamline job costing.

Used individually or in combination, Epic Data Integra solutions result in:

- **Higher productivity and throughput.** Fewer parts shortages, less downtime while locating parts and people, and ease of re-assignment to respond to changes in demand or supply.

- **Higher margins.** Lower inventory costs, higher efficiency, less waste.

- **Better quality.** Process standardization, parts compliance, and data for continuous improvement efforts.

- **Responsiveness.** Real-time data available to respond to change-orders, customer orders and supplier issues.

- **Better corporate information.** Accurate integrated data for ERP, performance reporting, job-costing, and payroll.

- **Accurate traceability.** Comprehensive support for parts audit trails and product genealogy.

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Call or email Epic Data to discuss how IntegraNet delivers real-time data to Manufacturing Execution Systems and enterprise applications.

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**ABOUT EPIC DATA**

Epic Data is a trusted provider of Manufacturing Execution and Warehouse Management Solutions to the world’s most progressive discrete manufacturers. We focus on knowing what is important to our customers and delivering solutions that last, resulting in relationships that have spanned over three decades.

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Head Office: (+1) 604.273.9146
UK Office: +44 1635 521140
China Office: +86 (21) 6040-6566
Email: info@epicdata.com
Web: www.epicdata.com