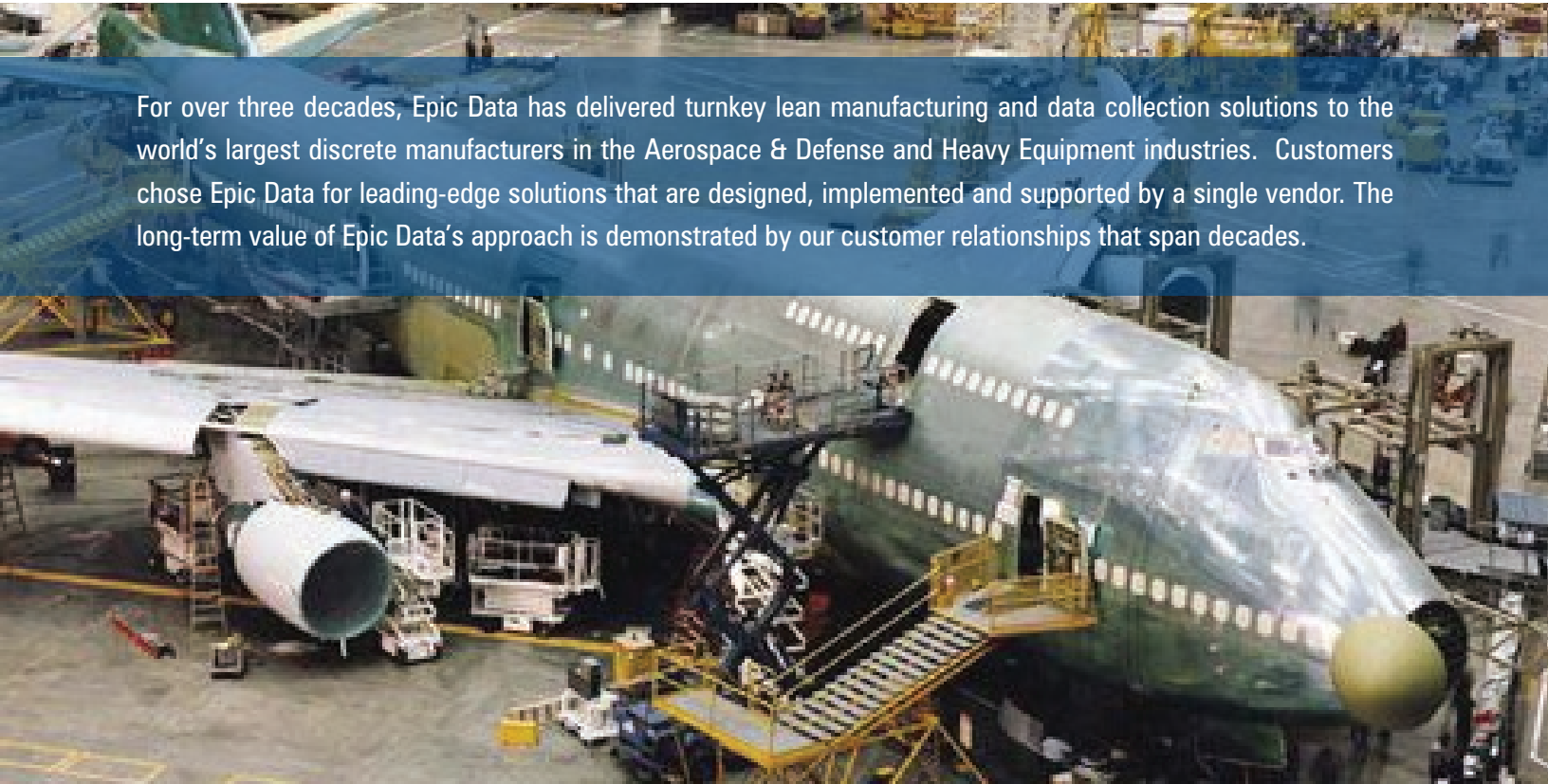




## THE ADVANTAGE OF AN **EPIC SOLUTION**

For over three decades, Epic Data has delivered turnkey lean manufacturing and data collection solutions to the world's largest discrete manufacturers in the Aerospace & Defense and Heavy Equipment industries. Customers chose Epic Data for leading-edge solutions that are designed, implemented and supported by a single vendor. The long-term value of Epic Data's approach is demonstrated by our customer relationships that span decades.



**Epic Data delivers what large discrete manufacturers value most— systems that provide:**

- › Accuracy of warehouse inventory and real-time location of parts
- › Availability of materials to the production floor exactly when required
- › Real-time visibility of the production processes and the material flow to the shop floor
- › Synchronization of the material flow with the demands of the production line
- › Accelerated production velocity through measurement of continuous improvement activities





## Epic Data's Lean Manufacturing Solution

Epic Data delivers a powerful suite of software applications called P3-CME that assists large manufacturing organizations in realizing the economic benefit associated with running a lean manufacturing operation. P3-CME delivers:

- › Materials Management
- › Advanced Shipping Authorization
- › Production Execution and Control

**mms**  
materials management  
system

### MATERIALS MANAGEMENT SYSTEM (MMS)

The Materials Management System (MMS) for lean manufacturing manages, tracks and expedites materials through production in real-time. It is like a "parcel express" system for the factory. MMS helps manufacturers plan, locate and expedite parts to build and fulfill orders faster.

MMS provides visibility into materials, locations and their attributes so they are available when needed and facilitates tracing to meet quality and regulatory mandates.

Designed for today's mixed mode manufacturing environments, MMS integrates demand-pull and push replenishment. MMS functional groups and transactions cover inbound logistics, inventory and location management, demand fulfillment and outbound logistics/shipping.

MMS delivers to your operation:

- increased productivity
- improved quality, material flow efficiency and inventory accuracy
- reduced part shortages
- leaner, demand-driven production and replenishment
- reduced inventory and improved JIT manufacturing

MMS is available as a stand-alone product or as part of Epic Data's P3-CME suite.

**asa**  
advanced shipping  
authorization server

### ADVANCED SHIPPING AUTHORIZATION SERVER (ASA)

The Advanced Shipping Authorization Solution (ASA) streamlines materials handling and automates shipping and receiving by extending your receiving system to suppliers with secure Internet access. This truly lean supply chain management solution provides visibility of incoming shipments, advance shipping notifications (ASN) and allows suppliers to easily generate shipping labels that comply with your receiving system using a standard laser or pre-qualified barcode printer. The preauthorization functionality of ASA guarantees compliance to your receiving standards; ensuring that quantity, delivery date and other PO specifications are met. ASA can be easily implemented and distributed to multiple vendors.

ASA delivers to your operation:

- the ability to synchronize supplier shipments to your production rate
- more efficient shipping, receiving and materials handling
- reduced receiving costs on each shipment
- the ability to plan receiving labor in advance
- correctly formatted labels from suppliers

ASA is available as a stand-alone product or as part of Epic Data's P3-CME suite.

**pecs**  
production execution  
and control system

### PRODUCTION EXECUTION AND CONTROL SYSTEM (PECS)

Epic Data's Production Execution and Control System (PECS) captures real-time production data; it continuously tracks production rates, measures cell and line performance, and monitors throughput against daily targets, enabling real-time identification and response to issues on the manufacturing floor.

PECS improves performance and productivity by capturing and integrating real-time information about people, parts and processes in the value stream. Electronic Andon boards provide real time visibility of the production issues and throughput to the shop floor where the data can be used instantly to make decisions and keep production on track.

PECS delivers to your operation:

- real-time production information that enables quick and effective decision-making by people on your shop floor
- an accurate picture of the constraints in your manufacturing process and the ability to remove them
- ability to track production status by customer order, lot and serial number
- ability to accurately identify time traps and address quality issues

PECS is available as a stand-alone product or as part of Epic Data's P3-CME.



## Epic Data's Data Collection Solution



### MIDDLEWARE EXECUTION ENGINE (MXE)

MXE is Epic Data's 6th generation middleware data collection engine that forms the underlying basis for the P3-CME product suite. MXE leverages our considerable experience in providing real-time, enterprise data collection solutions for mission-critical applications demanded by the Aerospace and Heavy Manufacturing industries. MXE combines an open-system architecture and industry standard tools to deliver enterprise data collection solutions that seamlessly integrate all transactional data and business systems residing on your network.

MXE delivers to your operation:

- guaranteed delivery of shop floor data to any application
- 24x7 operations
- remote device management
- online and offline operation
- enterprise-wide Scalability

MXE can be delivered as a stand-alone solution and integrate with virtually any ERP, MES, WMS and shop floor application.

### DATA COLLECTION HARDWARE

Epic Data's data collection devices are a product family, feature data validation, input control and independent operation technologies at the terminal and server level to allow non-stop performance and ensure data integrity regardless of the availability or response time of the applications served.

Epic Data's data collection device family includes:

- fixed or mobile terminals
- handhelds or vehicle-mount devices
- wired or wireless technology platforms
- multiple data capture technologies:
  - 1D and 2D barcode
  - magstripe
  - proximity card
  - touch screen
  - RFID



✂ MPT9100



✂ MC9060  
✂ MC9090



✂ MPT9500



✂ MC70



When customers choose Epic Data's solutions the result is improved productivity, quality and margins, and the complete integration of people, parts and processes that deliver true, reliable lean manufacturing performance and measurable business value.

#### EPIC DATA'S CUSTOMERS INCLUDE:

- › Bell Helicopter
- › Boeing
- › Bombardier
- › CAE
- › Flowserve
- › General Dynamics Bath Iron Works
- › General Dynamics Electric Boat
- › Joy Mining Machinery
- › Komatsu
- › Lockheed Martin
- › Northrop Grumman
- › Raytheon
- › Rolls Royce
- › Philips
- › Siemens Power Transmissions
- › Volvo

## ASK US HOW WE CAN HELP YOU!

Start an on-line dialogue now at [www.epicdata.com/dialogue](http://www.epicdata.com/dialogue)

[info@epicdata.com](mailto:info@epicdata.com) | [www.epicdata.com](http://www.epicdata.com)

North American  
Corporate Headquarters:  
Phone: 1-877-332-EPIC (3742)  
Fax: 604-273-1830  
6300 River Road, Richmond, B.C.  
Canada V6X 1X5

European Headquarters:  
Phone: +44 (0) 1635 521140  
Fax: +44 (0) 1635 524105  
Unit 17, Kingfisher Court,  
Hambridge Road, Newbury,  
Berkshire England RG14 5SJ

  
epicdata  
Visibility. Synchronization. Velocity.™