

# FactoryLogix®

The Adaptive Framework of Manufacturing Operations



NPI | Logistics | Production | Analytics

**AEGIS**   
S O F T W A R E

Speed, Control and Visibility for Manufacturing Operations



The leading provider of innovative software solutions to improve speed, control and visibility throughout manufacturing operations.

### A Global Corporation with Proven Success

Founded in 1997 by two manufacturing engineers, Aegis has over 16 years of experience providing world-class software to customers around the globe. Our install base spans more than 1600 factory sites across the electronics, medical, automotive, military and aerospace industries.



### We Build, Sell, Deploy and Support It Ourselves

Aegis is your turn-key solution provider with direct staff and operations in China, Germany, Japan, Singapore, UK and the US. Our organization develops, deploys and supports our solutions in-house, eliminating third-parties and providing customers with faster support and a better solution, in less time and at a lower cost.

### The Industry's Most Trusted Software Partner

For over a decade, Aegis has maintained more resale and technology integration partnerships with leading machine vendors than any other software provider. Today Aegis is partner to 36 machine vendors. These partnerships provide customers the best offline programming and real-time data acquisition systems possible.



### Award Winning Results

Aegis is the proud recipient of over 20 industry awards, including being named the Frost & Sullivan SMT Software Company of the Year, and winner of 12 straight independent customer satisfaction awards from Circuits Assembly Magazine.

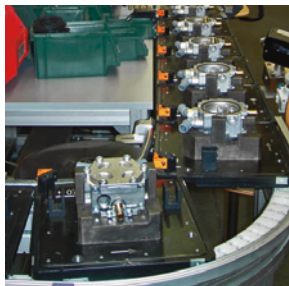
# Diverse Industries. Complex Challenges. One Solution.

## Electronics Assembly

Electronics manufacturing has some of the most complex and data intensive production processes of any industry. Aegis originated from the electronics industry and as result, the system core holds complete awareness of mechanical and electronic CAD. All manufacturing information is mapped to this intelligent design data, providing analytics, quality and traceability to a depth not possible with generic MES software.



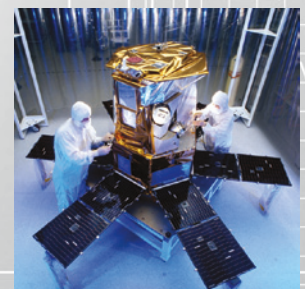
## General, Discrete Manufacturing



Whether you install electronics into your final assemblies or build products without any electronics at all, Aegis supports your process. Our software enables you to improve, track and control the manufacture of everything from complex electromechanical devices to consumer goods moving at high speed through PLC-driven conveyor systems.

## Large Scale, Cell-Based Production

Manage manufacturing where processes move around the product, rather than product moving through processes. Aegis software fully supports cell-based manufacturing where processes can execute over long periods of time with extensive validation and re-validation. Our system even supports subassembly manufacturing in flow lines that then integrate into upper-level, large scale products assembled in a cell.



# FactoryLogix<sup>®</sup>

The Adaptive Framework of Manufacturing Operations



FactoryLogix is an integrated suite of software modules and devices that adapt to and improve every aspect of your manufacturing operations.

## Speed

Improve throughput and bring consistency to the complicated tasks of preparing products for production, while expediting process, quality and materials management during execution.

## Control

Take complete control of materials, production, quality, test management and the numerous factory office activities necessary to properly prepare products for launch.

## Visibility

Drive continuous quality improvement by making every aspect of product, material, quality and manufacturing data visible via reports, dashboards and mobile devices.



Speed, Control and Visibility for Manufacturing Operations

# FactoryLogix®



## Simplified Regulatory Compliance



Aegis benefits from the advanced security and user rights management of the Microsoft Windows Active Directory.



Electronic signatures, security and multilevel validation simplify compliance with FDA CFR Part 11 regulations.



Restrict access to information and assist in compliance with International Traffic in Arms Regulations.



The Aegis research and development lifecycle and processes follow GAMP5 practices, simplifying customer implementation, validation and qualification.

# FactoryLogix®

## N NPI

Fast, simple, controlled production preparation even for large groups of engineers working in tandem.



- Manufacturing Process Definition
- ECAD, Mechanical CAD & BOM Importing
- Work Instruction Authoring & Document Repository
- Electronic Revision Approvals
- Offline Machine Programs

## N Process Planning and Launch

Centralize NPI and distribute work orders to whichever factories, equipment and resources are available at the time of production.

## N Task Flow Management

Manage more than production: create teams, delegate tasks and analyze NPI throughput across your enterprise.



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## Logistics

Optimize and assure material flow and monitoring from the warehouse to your lines and back.



- Incoming Material Identification
- Warehouse Management
- Material Picking Optimization
- LED BIN Recipe Generation
- MSD Management

## Incoming Material Identification

Each material instance is captured and labeled as it comes into the factory. An essential requirement for product content traceability.



# FactoryLogix®



## Cell-Based Assembly

FactoryLogix supports complex manufacturing processes that move around the product over an extended period of time.



## Configure-to-Order (CTO)

FactoryLogix adapts to unique customer orders by enabling dynamic configuration of parts, processes, operations and activities during production.



## Production

Paperless process execution, WIP tracking, routing control, quality and test data collection / diagnostics.



- Interactive Work Instructions & Operator Guidance
- Product Tracking & Control
- Work Station Setup Validation
- Quality / Test Data Collection, Repair & Diagnostics
- SMT Line Management



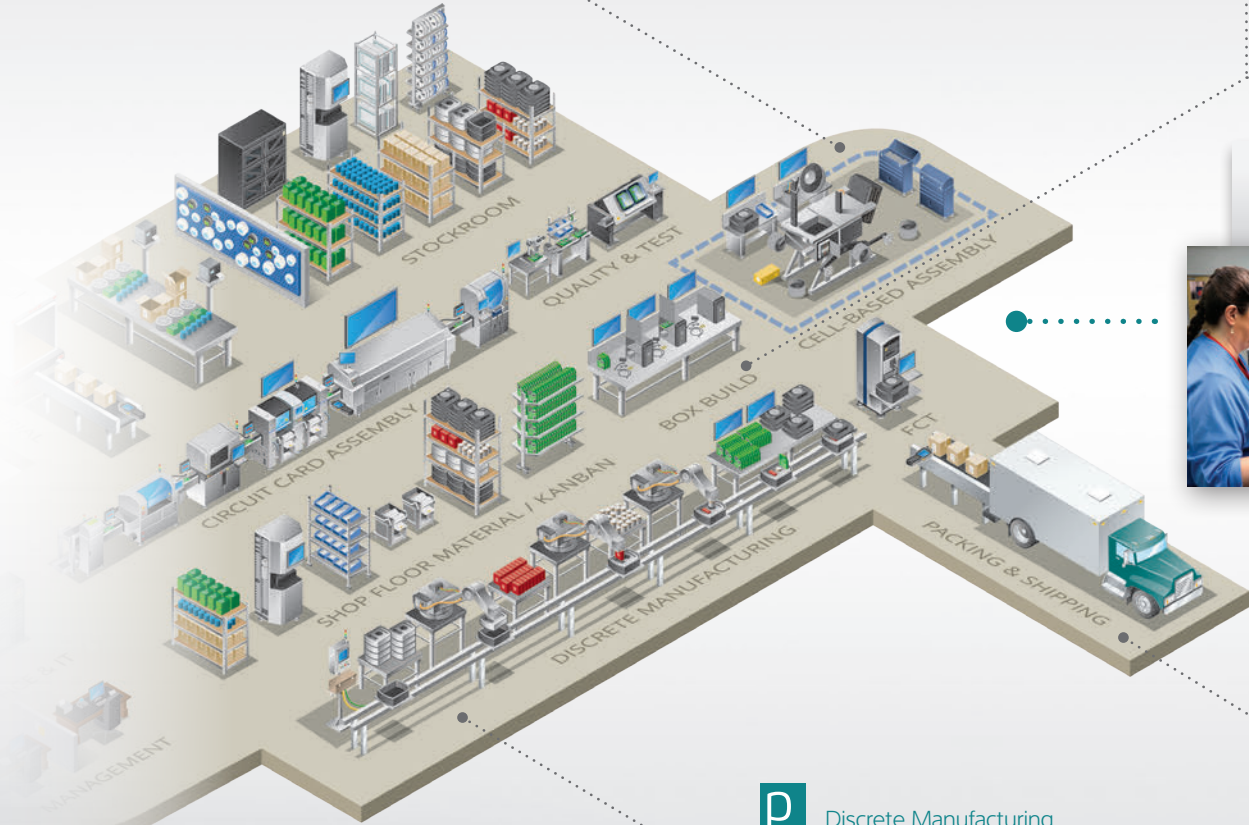
## Returned Material Authorization (RMA)

From initial assembly through returns for refurbishment and repair, FactoryLogix tracks and traces the process history through the entire lifecycle of a product.

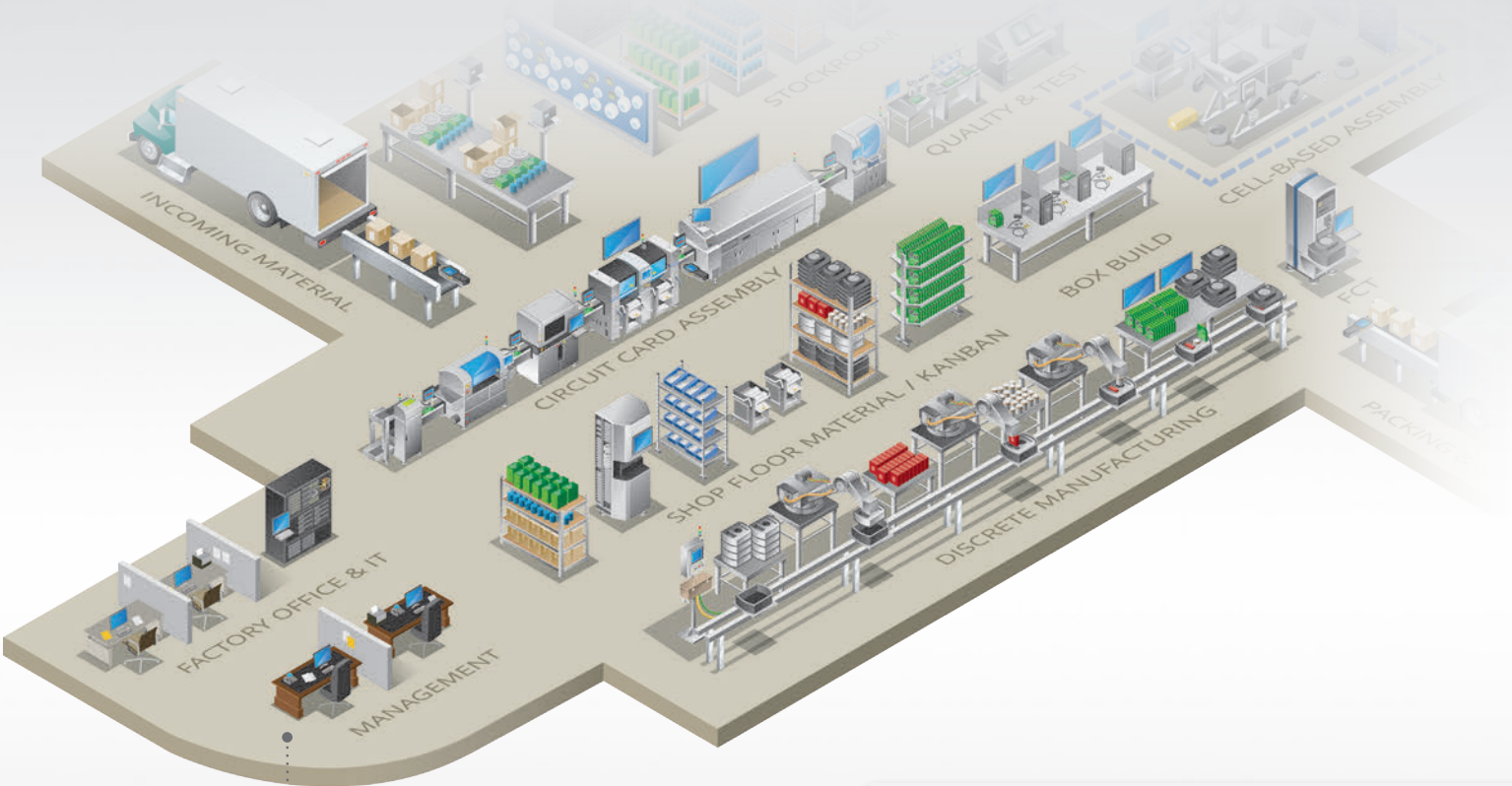


## Discrete Manufacturing

Track and control everything from complex electromechanical devices to consumer goods moving at high-speed through PLC-driven conveyor systems.



# FactoryLogix<sup>®</sup>



## **a** Supply Chain Visibility and Traceability

FactoryLogix traceability extends from the components on the PCB up through the subassembly chassis, and into the final, large-scale system integration.

## **a** Analytics

User-configured reports, real time dashboards, operations dashboards and mobile analytics.



- Real-Time Dashboards
- Historical Data Mining
- Product & Process Traceability
- Alarms & Notifications
- SPC Reporting



## Global Headquarters and Regional Offices



### Corporate Headquarters

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