



# Enterprise Sensor Integration

Proven Results for Complex Manufacturing



## Achieve Total Connectivity Through Sensor Fusion






Enterprise Sensor Integration (ESI) is a sensor-agnostic Industrial IoT platform that bridges interoperability gaps. The award-winning ESI platform uses Big Data and analytics to **enable end-to-end visibility for assets and processes, connect people, machines and data across enterprises, and increase profitability through better inventory control, higher quality, and faster production.**

## What ESI Delivers

- |  |  |
|--|--|
| <ul style="list-style-type: none"><li> <b>Enterprise-wide Standardization</b><br/>Create scalable, repeatable processes without disrupting current systems.</li><li> <b>Real-time Visibility</b><br/>Close gaps between siloed systems to enable faster, smarter decisions.</li><li> <b>Greater Situational Awareness and Safety</b><br/>Get real-time alerts and environmental data to protect teams and operations.</li></ul> | <ul style="list-style-type: none"><li> <b>Process Automation</b><br/>Eliminate manual workflows that slow productivity and limit output.</li><li> <b>Improved Inventory Control</b><br/>Reduce tool loss and asset misplacement.</li><li> <b>Increased Productivity</b><br/>Decrease manual inputs and assembly time.</li><li> <b>Improved Audit Readiness and Compliance</b><br/>Stay ahead of calibrations and inspections to avoid costly delays.</li></ul> |
|--|--|

**ESI empowers Boeing - saving millions every year through faster builds, automated tracking, smarter inventory control and improved quality.**

## Core Capabilities That Power ESI

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li> <b>Asset Management</b><ul style="list-style-type: none"><li>• End-to-end tracking and automated inventory</li><li>• Map-based interface and asset grouping</li><li>• Calibration and lifecycle history</li></ul></li><li> <b>Tool Management</b><ul style="list-style-type: none"><li>• Crib check-in/out</li><li>• Automated, searchable inventory</li><li>• Disposition and maintenance tracking</li></ul></li><li> <b>Work-in-Progress Tracking</b><ul style="list-style-type: none"><li>• Improved traceability, productivity, and accuracy</li><li>• Better inventory management and forecasting</li><li>• Reduced costs and fewer errors</li></ul></li></ul> | <ul style="list-style-type: none"><li> <b>Device Management</b><ul style="list-style-type: none"><li>• Connect disparate IoT devices</li><li>• Manage device health and configuration</li><li>• Optimized load balancing for edge devices</li></ul></li><li> <b>Modular Infrastructure &amp; Dynamic UI</b><ul style="list-style-type: none"><li>• Scalable, microservices-based architecture</li><li>• Dynamic, map-centric user interface</li><li>• Real-time alerts and sensor integration</li></ul></li></ul> |
|---|---|

**Reach out to get started with the Tapestry team:**

**Tapestry Solutions, Inc.**

DL-TapestrySolutionSales@exchange.boeing.com  
6910 Carroll Road | San Diego, CA 92121