

# The Industrial Internet of Things (IIoT)

## Gain True Manufacturing Intelligence

The Industrial Internet of Things (known as IIoT) has been a dominant theme among both industry and personal technology trends lately. Envisioning an Internet-enabled, fully connected industrial environment – like a manufacturer’s factory floor – is very enticing. Imagine that machines and tools are networked and sending data instantly as production happens and customer orders progress; giving up-to-the-second feedback on status, environmental conditions and machine readings. But what happens to all of the data being collected?

IIoT is only the first step in realizing true manufacturing intelligence. A connected manufacturing environment lays the framework for the *utility* of collecting data.

To realize true business transformation, a solution needs to



Figure 1: The Data Action Maturity Model

go beyond data collection by enabling integration and aggregation that drives manufacturers to *analyze*, *predict*, *prevent* and *automate* activities within their environment.

[SyncOperations software](#), powered by *Savigent*, is a proven industry solution that goes beyond the IIoT and turns a manufacturing environment into a data-empowered enterprise primed for customer satisfaction and growth. While some applications only fulfill a part of the Data Action Maturity Model (figure 1), SyncOperations does it all. Built upon a powerful integration platform, SyncOperations enables both machine connectivity as well as application and enterprise software integration.

**Analyze** – Machine and application data is aggregated into contextualized, usable information within the SyncOperations analysis tool called Information Model Explorer. Full production diagnostics are achieved by putting all relevant data into the hands of engineers, who are able to visualize and evaluate all conditions and parameters down to a fraction of a second through dynamic charts and graphs.

**Predict** – Patterns in data are used to predict manufacturing results, which fuels an organization to understand prime performance conditions.

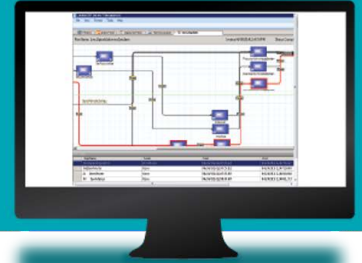
**Prevent** – Understanding the data supporting the manufacturing environment enables meaningful corrective action, driving smarter decisions on preventative maintenance and minimizing downtime.

**Automate** – Using collected data, SyncOperations software can execute automated workflows, which enforces standard operating procedures and consistent action.

SyncOperations software delivers a complete IIoT vision that goes beyond just connectivity. Through SyncOperations, a single thread of data is transformed into valuable information providing powerful manufacturing and business results.

Find out more about what [SyncOperations](#) and the other solutions in the Synchrono® Demand Driven Manufacturing Platform can do for your organization at [Synchrono.com](#).

## Enable the Industrial Internet of Things



SyncOperations software, *powered by Savigent*, enables the Industrial Internet of Things (IIoT) by giving you the power to monitor and synchronize data from all equipment and processes in real-time.

- Connect, aggregate and analyze data from machines, applications and enterprise systems
- Drive real-time workflow automation
- Collect process and contextual data into a historian
- Access actionable information for engineering and continuous improvement teams

Visit [www.synchrono.com](http://www.synchrono.com) to learn more.



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