



**industrial internet**  
**CONSORTIUM**

[www.iiconsortium.org](http://www.iiconsortium.org)

## The Industrial Internet Revolution has Begun

The Industrial Internet of Things (IIoT) is fundamentally changing business models and value chains across every industry, around the globe. Organizations need guidance and tested technologies to ensure the success of their IIoT journey.

### Industrial Internet Consortium Testbed Results Include:

**Track and Trace:** Improves the overall manufacturing process by accurately tracking and tracing industrial assets and collecting usage and status data in industrial factory, maintenance and logistics environments.

**Time-Sensitive Networking:** Winner of the 2017 IoT Solutions World Congress Testbed Award, the TSN Testbed brings a number of enhancements to Ethernet (a foundational piece of IoT) – time synchronization, sending scheduled traffic flows and central, automated system configuration.

**Manufacturing Quality Management:** Retrofitting existing manufacturing facilities with modern technologies by leveraging the IoT and sensory network technologies for data collection, transmission and intelligent storage to support an effective data processing scheme.

**Communication and Control for Microgrid Applications:** Examines IoT technologies that solve engineering challenges associated with energy microgrids while focusing on open architectures and interoperability.

**Connected Workforce Safety:** Improving worker safety, reducing safety incidents and improving safety compliance reporting by integrating smart wearables and smart infrastructure with edge- and cloud-based analytics.

**Smart Factory Web:** Creating a network of smart factories to improve order fulfillment by aligning capacity across production sites with flexible adaptation of production capabilities and sharing of resources, assets and inventory.

For more testbed results,  
visit [www.iiconsortium.org/test-beds](http://www.iiconsortium.org/test-beds)

### The Industrial Internet Consortium At-a-Glance

Founded March 2014

200+ Member Organizations

30+ Countries

32 Working Groups

27 Approved Testbeds

1 Public-Private Ecosystem

As of October 2018

## Help Shape the Changes to Come

The Industrial Internet Consortium is the world's leading membership program transforming business and society by accelerating the Industrial Internet of Things (IIoT). The Industrial Internet Consortium delivers a trustworthy IIoT in which the world's systems and devices are securely connected and controlled to deliver transformational outcomes. The Industrial Internet Consortium is a program of the Object Management Group (OMG). For more information, visit [www.iiconsortium.org](http://www.iiconsortium.org).

## Solving the Challenges of Industrial Internet Adoption

Industrial Internet Consortium members are collaborating to deliver an architecture, frameworks, requirements for standards and more. Ongoing collaboration throughout the year is reinforced at quarterly meetings where thought leaders formulate ideas and build relationships that accelerate the growth of the industrial internet.

- The **Industrial Internet Reference Architecture** is a blueprint for Industrial Internet systems. It outlines a standards-based open architecture, describing each component needed in a typical system.
- The **Industrial Internet Security Framework** defines and provides guidance on IIoT security.
- The **Industrial Internet Connectivity Framework** provides a comprehensive treatment of connectivity as a means of building interoperable IIoT systems.
- The **Business Strategy and Innovation Framework** provides a high-level identification and analysis of issues that an enterprise will need to address to capitalize on the opportunities emerging within the IIoT.
- The **Industrial IoT Analytics Framework** is the first document to offer the broadest scope of requirements and concerns for analytics for IIoT systems.
- The **Industrial Internet Vocabulary Technical Report** specifies a common set of definitions for effective communication within the Industrial Internet ecosystem.

Free downloads of technical papers, white papers and the Journal of Innovation are found at [www.iiconsortium.org/white-papers](http://www.iiconsortium.org/white-papers).

The Industrial Internet Consortium brings together industry leaders, startups and researchers to drive the innovation of new Industrial Internet products, processes and services through innovative testbeds and a collaborative ecosystem.

## Join the Industrial Internet Revolution. Join the Industrial Internet Consortium.

Membership is open to any organization. For more information, please visit [www.iiconsortium.org](http://www.iiconsortium.org) or email us at [info@iiconsortium.org](mailto:info@iiconsortium.org).

## Upcoming Public Events

Visit [www.iiconsortium.org/events.htm](http://www.iiconsortium.org/events.htm) for our presence at industry events around the world.

Steering Committee Members:



**BOSCH**

**DELLEMC**

**FUJITSU**



**IBM**

**MITRE**



Things are Coming Together.™