



industrial internet
CONSORTIUM

www.iiconsortium.org

The Industrial Internet Revolution has Begun

Our testbeds are where the innovation and opportunities of the industrial internet – new technologies, new applications, new products, new services, new processes – are initiated, thought through and rigorously tested to ascertain their usefulness and viability before coming to market. Organizations testing and deploying industrial internet solutions are setting the foundation for the future. Those who are not, risk being left behind.

Recent 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 IoT Solutions World Congress Testbed Award and the Industrial Internet Consortium Q1 2017 Testbed Showcase, 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.

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

INFINITE: Provides an interoperable infrastructure to test solutions and drive the development of Industrial IoT products. INFINITE's anchor use case, "Bluelight," seeks to enable smarter and intelligent route planning for emergency ambulance services as they are dispatched to an incident and en-route to the hospital.

Condition Monitoring for Predictive Maintenance: Demonstrates the value of continuously monitoring industrial equipment to detect early signs of performance degradation or failure.

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.

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

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.

The Industrial Internet Consortium At-a-Glance

Founded	March 2014
250+	Member Organizations
30+	Countries
32	Working Groups
27	Approved Testbeds
1	Public-Private Ecosystem

As of January 2018

Solving the Challenge 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.

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

Membership is open to any organization. For more information, please visit www.iiconsortium.org or email us at info@iiconsortium.org.

Upcoming Public Events

Visit www.iiconsortium.org/events.htm for our presence at industry events around the world.

Steering Committee Members:



Things are Coming Together.™