industrial internet
CONSORTIUM
www.iiconsortium.org

The Industrial Internet Revolution has Begun.

According to a 2015 study by the World Economic Forum, 72% of surveyed executives believe the Industrial Internet will be disruptive to their business, while 88% said they were not prepared for the change.

Companies that are deploying Industrial Internet solutions are setting the foundation for their future. Those who are not, risk being left behind.

The Industrial Internet Will Disrupt Every industry:

- In **energy**, wind turbine operators can predict when a gearbox is about to fail, schedule maintenance accordingly, extend the fleet's life and recognize valuable ROI.
- In **healthcare**, hospitals can integrate standalone systems – such as ultrasound medical systems – into the overall hospital system, improving the decision-making capabilities of the medical staff and ultimately, the quality of care.
- In the **public sector**, cities provide real-time information on traffic and transportation to citizens to reduce congestion and, in turn, air pollution and noise levels.
- In **transportation**, railroad operators can increase capacity, improve safety and optimize traffic plans and train speeds, saving millions of dollars in capital and expense.
- In **manufacturing**, factories can extract value from a wide variety of data to boost efficiency, reduce machine downtime, and improve product yields.

Help Shape the Changes to Come.

The Industrial Internet Consortium is the global not-for-profit public-private partnership of 250+ member organizations, joining together to accelerate the growth of the Industrial Internet. Our membership includes the world's most innovative companies, bringing together corporate leaders, entrepreneurs, researchers and governments into one community to advance innovation, share best practices and solve the tough challenges ahead in interoperability, security and innovation.

The Industrial Internet Consortium At-a-Glance	
Founded	March 2014
250+	Member Organizations
30	Countries
26	Working Groups
18	Approved Testbeds
1	Public-Private Ecosystem

As of July 2016

Solving the Challenge of Industrial Internet Adoption

Industrial Internet Consortium members are collaborating to create interoperability through an open architecture, a security framework, 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.

In June 2015, the Industrial Internet Consortium released the Industrial Internet Reference Architecture, a blueprint for Industrial Internet systems. It outlines a standards-based open architecture, describing each component needed in a typical system. This document is an important first step in aligning the fragmented Industrial Internet of Things (IIoT) industry to a common end-to-end reference architecture with clearly defined components and interfaces between them.

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.

A Sample of Industrial Internet Consortium Testbeds:

- **Intelligent Urban Water Supply:** Builds an Intelligent Urban Water Supply Management Cloud Service that provides a fully integrated multi-function, multi-service, multi-role, multi-tenant solution.
- **Smart Airline Baggage Management:** Demonstrates the lifecycle of a smart bag, or a conventional bag with a luggage tracker, from check-in at home or at the airport to delivery at the flight destination.
- **Communication and Control Testbed for Microgrid Applications:** Redesigns traditional central-station power grids into a series of independent microgrids to more easily support load, generation and storage of power.
- **Edge Intelligence:** A test facility configured into complex edge compute environments to further the state-of-the-art in edge analytics and algorithms.
- **Security Claims Evaluation:** An open and easily configurable cybersecurity platform for evaluation of endpoint, gateway, and other networked components' security capabilities.
- **Time Sensitive Networks:** Demonstrates the value of TSN technology, the challenges in implementations from a number vendors and the opportunity of adopting critical control applications to the Industrial Internet.

More at **www.iiconsortium.org/test-beds**

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

West Coast Security Forum October 6, 2016 - Sunnyvale, California	**Industrial Internet Forum** October 24, 2016 - Barcelona, Spain

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

Founded By:

Things are Coming Together.™