



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

## The Industrial Internet Revolution has begun.

According to the 2015 study by the World Economic Forum, **72%** of surveyed executives believe the Industrial Internet will be disruptive, yet **88%** stated that their business is not prepared for the change.

## Is your company ready?

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

## The Industrial Internet will be disruptive across 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 are able to 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 are increasing capacity, safety and velocity by optimizing traffic plans and the speeds at which each train must travel, saving millions of dollars in capital and expense.
- In **manufacturing**, factories are able to 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 220+ member organizations, joining together to accelerate the Industrial Internet. Our membership includes the world's most progressive and innovative companies, joining together to solve the tough challenges ahead in interoperability, security and innovation.

The Consortium brings together corporate leaders, entrepreneurs, researchers and governments into one community to advance innovation and share best practices.

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

Founded March 2014

220+ Member Organizations

27 Countries

20 Working Groups

10 Approved Testbeds

1 Public-Private Ecosystem

As of November 2015

## Solving the Challenge of Industrial Internet Adoption

Industrial Internet Consortium members are focused on solving the tough challenges in the Industrial Internet of Things: Interoperability through an open framework architecture, security requirements, specifications for standards and more. Ongoing collaboration throughout the year is reinforced at quarterly member meetings where thought leaders formulate ideas and build relationships that accelerate the growth of the Industrial Internet.

Interoperability is one of the key challenges to widespread adoption of the Industrial Internet. In June 2015, the Industrial Internet Consortium released the Industrial Internet Reference Architecture, a blueprint map for Industrial Internet technologies. This extensive technical document is based on a yearlong work effort by the Consortium's Technology Working Group and outlines a standard-based open architecture, validated by use case scenarios. This document is an important first step in aligning the fragmented IoT industry to a common end-to-end reference architecture with clearly defined components and interfaces between them to enable interchangeable IoT components and future requirements for development.

The Industrial Internet Consortium is where industry leaders, startups and researchers come together to drive the innovation of new Industrial Internet products, processes and services through innovative testbeds.

### Industrial Internet Consortium Testbeds: Recent Testbeds

- **Asset Efficiency** – Monitors, controls and optimizes assets holistically taking into consideration operational, energy, maintenance, service and information efficiency and enhances their performance utilization.
- **Condition Monitoring and Predictive Maintenance** – Demonstrates the value and benefits of continuously monitoring industrial equipment to detect early signs of performance degradation or failure.
- **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.

More at [www.iiconsortium.org/test-beds](http://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](http://www.iiconsortium.org) or email us at [info@iiconsortium.org](mailto:info@iiconsortium.org).

**NEXT PUBLIC EVENT**  
March 17, 2016 - Reston, Virginia

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

Founded By:



Things are Coming Together.™