Welcome!
Welcome!

Kathy Walsh
Director of Marketing
Industrial Internet Consortium

March 23, 2017
The Industrial Internet is Leading the Next Economic Revolution

GDP data extracted from the Futurist 2007
Bring Together the Players to Accelerate Adoption

The Industrial Internet: A $32 trillion opportunity
The IIC: Things are Coming Together

industrial internet
CONSORTIUM

Things are coming together.

Connectivity: v2com, MOXA, Cisco, Belden, TE, Synapse
Big Data: EMC, Conduce, Datawatch
Big Data: IBM

Government: NIST, CAICT, MITRE

Technology: Microsoft, Schneider Electric, Fujitsu, Intel, PTC, Hitachi, NEC

Standards: TIA, Open Interconnect, ITU-T

Research: Machina Research, CSIRO, KETI, UJ Labs, CIF

Academia: KAUST, Johns Hopkins University, Rensselaer, Mahindra
Vision: The Industrial Internet Consortium is the world’s leading organization transforming business and society by accelerating the Industrial Internet of Things (IIoT).

Mission: To deliver a trustworthy IIoT in which the world’s systems and devices are securely connected and controlled to deliver transformational outcomes.

Launched in March 2014 by five founding members:

AT&T, Cisco, General Electric, IBM & Intel.

The IIC is an open, neutral “sandbox” where industry, academia and government meet to collaborate, innovate and enable.
IIC Founders, Contributing Members, & Large Industry Members

IIC Founding and Contributing Members

- Bosch
- EMC²
- GE
- Huawei
- IBM
- Intel
- SAP
- Schneider Electric
- ABB
- Ericsson
- AT&T
- Olympus
- Toshiba
- Rostelecom
- Hewlett Packard Enterprise
- Itron
- HCL
- Accenture
- Dell
- Kuka
- Neustar
- Boeing
- Toyota
- TÜV
- Mitsubishi Heavy Industries
- Schindler
- InterDigital
- Haier
- Infineon
- Hitachi
- Egis
- Harting
- IoT Institute
- Munich Re
- Oracle
- Pitney Bowes
- Samsung
- Konica Minolta
- Fujitsu
- Microsoft
- Cisco
- NEC
- Tech Mahindra
- Infosys
- Micron
- Tyco
- National Instruments
- ptc
- Mitsubishi Electric
- Echelon
- Xilinx
- 3M
- Genpact
- Tata
IIC Small Industry Members
Sample Liaison Relationships
Current Steering Committee

Mr. John Tuccillo  
*IIC SC Chairman*
Senior VP of Global Industry & Government Affairs  
*Schneider Electric*

Dr. Tanja Rueckert  
*IIC SC Vice-Chair*
Executive VP IoT and Customer Innovation Unit  
*SAP*

Dr. Jacques Durand  
Director of Standards and Engineering  
*Fujitsu*

Mr. Jeff Fedders  
Chief Strategist, IoT Group Strategy & Technology Office  
*Intel*

Mr. K. Eric Harper  
Senior Principal Scientist  
*ABB*

Mr. Robert Martin  
Senior Principal Engineer  
*Mitre*

Mr. Peter Marx  
Vice President, Predix  
*General Electric*

Mr. Don O’Toole  
Business Development Executive, IBM Watson Internet of Things  
*IBM*

Dr. Stan Schneider  
CEO  
*Real-Time Innovations, Inc.*

Mr. Dirk Slama  
Director of Business Development  
*Bosch Software Innovations*

Dr. Richard Soley  
Executive Director  
*Industrial Internet Consortium*

Dr. Said Tabet  
Chief Architect for IoT Solutions  
*EMC*

Dr. Richard Soley  
CEO  
*Real-Time Innovations, Inc.*

Mr. Wang Xuemin  
Director, Standardization and Industry Department  
*Huawei*
Activities fall into three main areas that ultimately drive new opportunities for IIC members:

- **Testbeds**: Innovation to drive new products, processes, services
- **Technology & Security**: Architectural frameworks, standards requirements, interoperability, use cases, privacy & security of Big Data
- **The IIC Ecosystem**: Companies joining together to advance innovation, ideas, best practices, thought leadership and insights

BSSL: Business Strategy & Solutions Lifecycle
Sample Publicly Announced Testbeds

- Asset Efficiency Testbed
- Condition Monitoring Testbed
- Connected Care Testbed
- Edge Intelligence Testbed
- FOVI Testbed
- High-Speed Network Testbed
- Industrial Digital Thread Testbed
- INFINITE Testbed
- Intelligent Urban Water Supply
- Microgrid Testbed
- Precision Crop Management Testbed
- Security Claims Evaluation Testbed
- Smart Airline Baggage Management
- Smart Energy Management Testbed
- Smart Water Management Testbed
- Time-Sensitive Networks Testbed
- Track and Trace Testbed
The Industrial Internet Consortium Today

- More than 270 organizations from more than 30 countries and growing
- 26 running testbeds all over the world
  - More than 20 coming through the approval process and in design
  - Expanding into new verticals
- Reference Architecture update published in January
- Security Framework published in September
- Business Strategy and Innovation Framework published in November
- Connectivity Framework published in February
- Strategy for influencing standardization on track
- Journal of Innovation
Interconnecting Regional Efforts

• Collaboration with German Plattform Industrie 4.0
• Collaboration with Japanese IoT Acceleration Consortium
• The Consortium is also developing ties with other regional efforts
  ▪ France: Alliance Industrie du Futur
  ▪ China: Internet+ and China 2025
  ▪ United States: Cyber-Physical Systems
  ▪ Chile: Industrial Internet Centers of Excellence
  ▪ Japan: Industrial Valuechain Initiative & Robot Revolution Initiative
  ▪ Russia: National Association of Industrial Internet

Things are coming together.

www.iiconsortium.org