Enabling Industry 4.0
IIoT needs an intelligent edge

Craft work
Human-driven. Everything unique
Industry 1.0
Water & steam power
Mechanization

Industry 2.0
Electricity. Interchangeable parts. Production lines

Industry 3.0
Computer controlled
Automated machinery
Discrete systems

Increased pressure
Markets speeding up
New business models
New competition

New imperative
Digital transformation

For more information please see the 'Industrial Digital Transformation' Inside Track downloadable from the Fujitsu website here

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The IIoT Communications Challenge

Disconnect at the equipment level
Too much transient data

Many protocols & message formats
IIoT can’t exist in a vacuum

The Solution: Create an Intelligent Edge

Hardened, secure, many-to-many, multi-protocol data exchange
Individual applications can transform, filter, aggregate and perform basic analytics at the edge

Smart edge devices handle protocol conversion
Machine learning to pre-filter & analyze data
Aggregate and push when connectivity is limited

Industrial operations environment

Edge platform: Appliance or Gateway

Enterprise IT environment

Connectors to both new and old technology

Standards-based communications

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Discrete systems

Industry 4.0 - Connected, Automated, Agile

Automated feedback for rapid and continuous optimization
Break open the site-based silos, connect across the value chain

The Industrial Internet of Things (IIoT) - Sensors are everywhere: measure, aggregate and analyze everything

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