

Introduction to ISA100 Wireless

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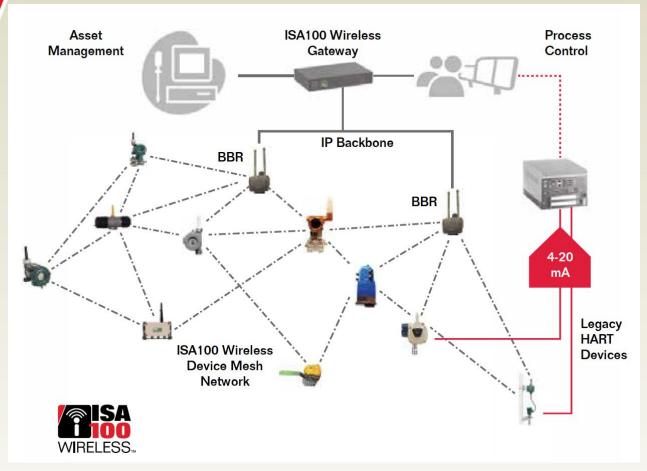
Presenter



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Introduction to Industrial Wireless



Applications

Monitoring

- Machine health
- Well head
- Remote process
- Leak detection
- Equipment Condition
- > Environmental
- > Tank level
- > Steam trap

Gas detection

Fuel tank gauging

Basic process control

Open loop control

Stranded data capture

Diagnosis of field devices

... and more



Commonly Cited Benefits of Wireless Instrumentation

Cost Savings	 Up to 90% of installed cost of conventional measurement technology can be for cable conduit and related construction Typically: 1/2 the costs, 1/5 of the time New and scaled applications are now economically feasible
Improved Reliability	 Wired sensors may be prone to failure in difficult environment Wireless can add redundancy to a wired solution
Improved Visibility	 Condition monitoring of secondary and remote equipment Process monitoring, fast additional data for trouble shooting
Improved Control	Add wireless to existing processes for more optimal control
Improved Safety	Safety related alarms - end to end SIL2 certifiable

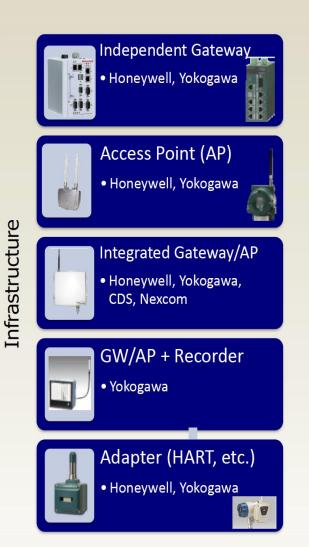


ISA100 Wireless Background

- International standard IEC 62734 since 2014
- Complies with ETSI EN 300 320 v1.8.1 (LBT)
- End-User Driven Standard meeting all current and future industrial needs
- Sensor routing or field routers for best performance Freedom of choice
- Broad Multi-Vendor Portfolio of ISA100 Wireless Devices
- ISA100 Wireless enables SIL-2 Certification
- Ensured Interoperability best-in-class solutions from best-in-class suppliers
- Readily available ISA100 Wireless Modules and Stacks
- Enable fast-track development and go to market



ISA100 Wireless Solutions







And more...

Online Resources



- Learning Center with White Papers
- Articles, End-user stories, Forum
- Receiving over 20,000 web views per month
- Full list of certified/registered ISA100 Wireless devices
- And more useful content for you and your business

Linked in ISA100 Wireless Interest Group

- Latest news, end-user and expert discussions, insights
- 700+ members and growing; please join and invite your peers to join as well!
- Receiving over 5,000 web views per month



Summary

Costs

 Typical conservative cost saving of \$10k per wireless instrument over traditional hardwired installation

Speed

 Project execution in 1/5th of the time relative to traditional wired. Quickest installation time - data in just 1 day

Performance • ISA100 Wireless enables near real time performance

Choice

 Large portfolio of ISA100 Wireless devices by multiple vendors -**Investment protection**

Innovation

Innovative new devices brought to market each year



Questions?



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