



Intelligent Industrial Edge

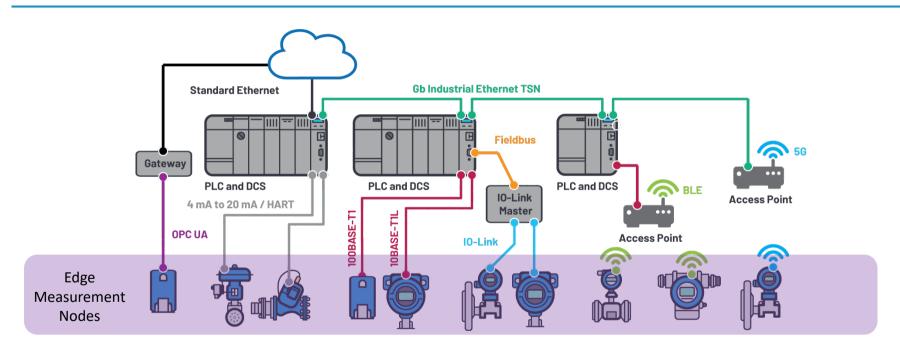
June 20–22, 2023 | Santa Clara, CA

<u>Agenda</u>

- Concept of "Industrial Edge"
- Why Industrial Edges needs to be intelligent
- How it saves tremendous amount of resources (sustainability)
- · How it enables flexible manufacturing and increases productivity
- · ADI Solutions for flexible manufacturing



Concept of the "Industrial Edge"



Wide range of sensing modality and connectivity options



Legacy Industrial Edges



Physical Interpretation



Data Acquisition

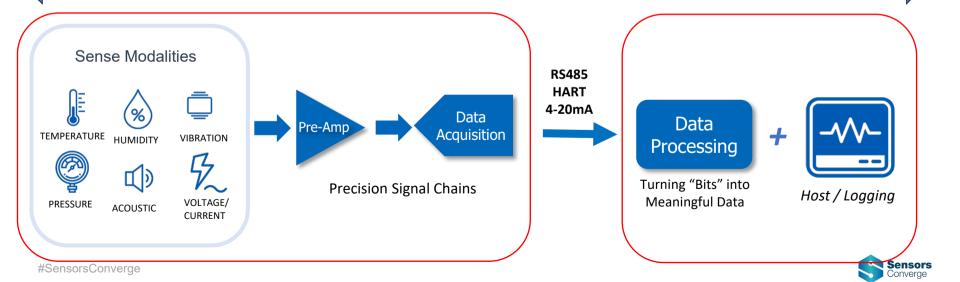


Low-Power Micros





Wired Connectivity



Intelligent Industrial Edges



Physical Interpretation



Data Acquisition



Ultra Low-Power Micros



Embedded Security

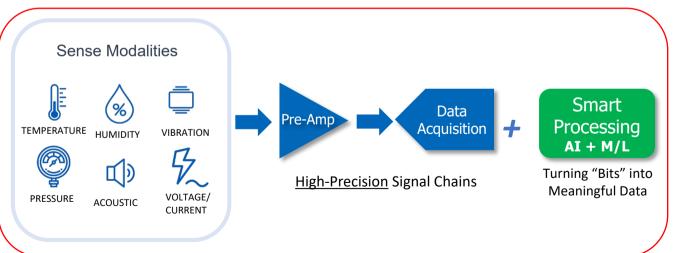


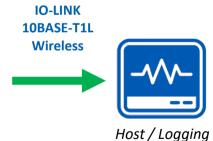
Wired/Wireless Connectivity



Cloud Insights and Edge AI

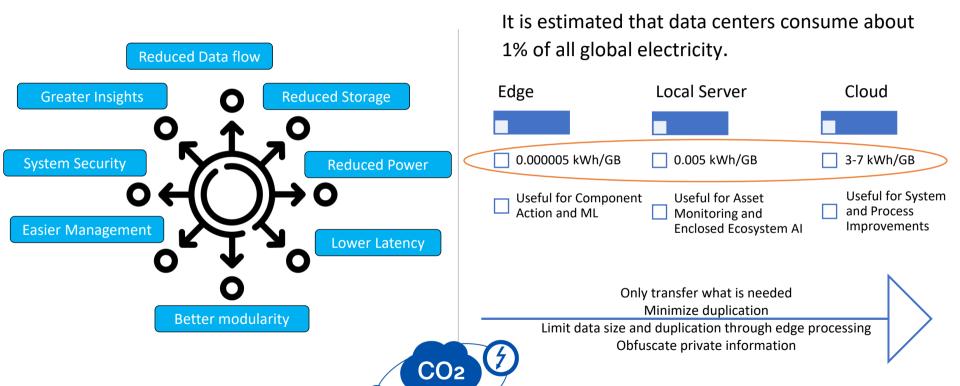
ADI Capabilities for End-to-End Monitoring







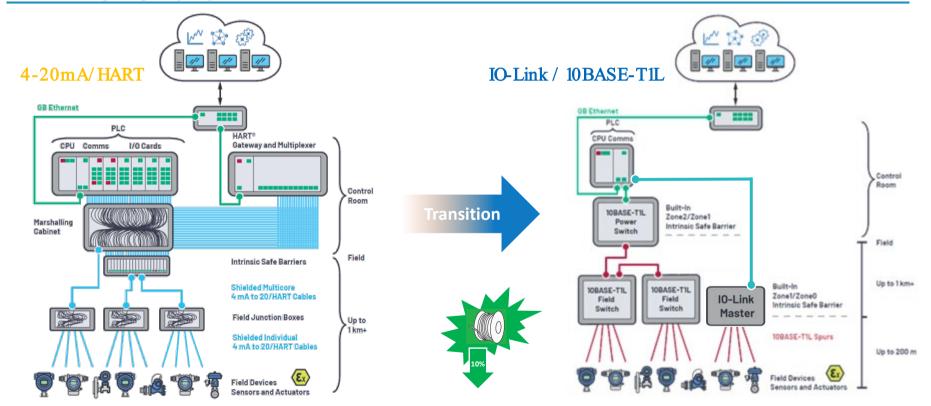
What is driving the move to an Intelligent Edge?





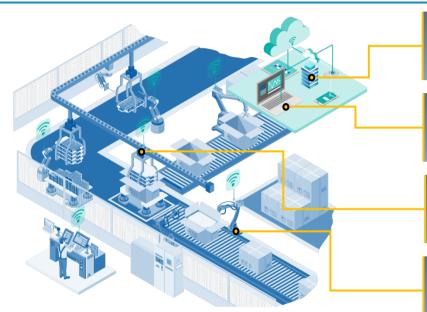
Intelligent edges enable adaptive factory layout

Enabling legacy systems to become Factories of the Future





Flexible Modular Manufacturing



IT/OT integration

harmonized networks for complete factory data transparency and non-real time analytics and diagnostics

Real-time decision making

enabled by ADI TSN Switching which aggregates data from fragmented networks for precise control and diagnostics

- MAX32662
- MAX32665
- MAX32690

Seamless Connectivity

enabled by ADI's ethernet, IO-Link and Isolation that empower the digital backbone of the factory & the transition from Kbits to Gbits

- **MAX22513**
- MAX22520
- MAX14827A

Edge Intelligence

enabled by ADI's precision, sensing, measuring, and AI to enable the self-aware factory floor

- MAX40109
- ADA4254/55
- LTC6373























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"ADI Technology enables Digital Factory"

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