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Leading Digital Transformation Driving innovation at scale

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Discussion topics

- Introductions
- The digital transformation
- Innovating at scale
- How we can help
- Q&A... additional dialogue

ABB—125 years of innovation



ABB & SAP

- ABB's 125 years of innovation and results delivered in Operating Technology (OT)
- SAP's leadership in ERP and business process enablement (IT)
- Leaders in Manufacturing and Industrial sectors and related industries (e.g., CPG)
- Leaders in IIoT, Analytics and Cloud
- Proven experience in IT/OT integration
- Teaming with Microsoft
- Fanatically focused on customer success
- Your trusted partners in Digital Transformation



Digital transformation

- It's a journey, not a destination
- The only constant is change
- Look to the future, consider the past
- It's not about technology ...



Starting with the technology ...

Combination of innovations

- Social media
- Mobile technology
- Analytics (machine learning)
- Cloud computing
- Rapidly reducing costs (of storage)
- Greatly improving battery performance
- Influence of design thinking





How is it playing out in the industrial sector



Artificial Intelligence is key technology for the next level of industrial progress

AI: "The ability to learn or understand or to deal with new or trying situations"¹



Ultimately it is all about business outcome and value creation

Percentage of respondents who say they will implement IoT solutions for the following reasons



For those considering IoT and analytics solutions, what stage of adoption is your company in ?



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Industrial markets primed to adopt digital technologies

Computing + connectivity + cloud + analytics set to unlock value

Digital S-Curve



November 7, 2017

Slide 10

ABB end-market



General characteristics of industrial markets

- Speed of technology adoption
- Asset Intensive
- High degree of Interoperability required
- Reliance on people to operate and maintain



Companies have been integrating data from sensors and operations management systems for many years!

- However
 - Age of the assets
 - Generally connected to single purpose systems
 - Difficult & expensive to build applications



Connected things will be in use by 2020—Gartner

25 Billion



Integrated supply chain

Energy and Digital Threads connect Utilities, Industry and Transport & Infrastructure

Power & Automation



Shift to Renewables

Aging workforce



Utilities

Reduced installation time (-40%), maintenance costs (-50%) and outage time (-50%)

SELECTION





Industry

Improved productivity (+200%), reduced energy (-30%), & longer product life (+30%)



Transport & Infrastructure

Proactive detection of faults (90%), reduced maintenance costs (-20%) and energy costs (-5%)



Next steps in your Digital transformation...

How we can help...

- Come visit our ABB "pod" at Leonardo Live
- Schedule a visit to an ABB "showcase" factory, learn from practitioners about ABB/ SAP OT/ IT integration
- Engage with our Digital Transformation team(s)
- Plan a workshop/ design session
- Engage with our subject matter experts and customers
- Explore new business models





Writing the digital future takes ability. ABB Ability[™].

