



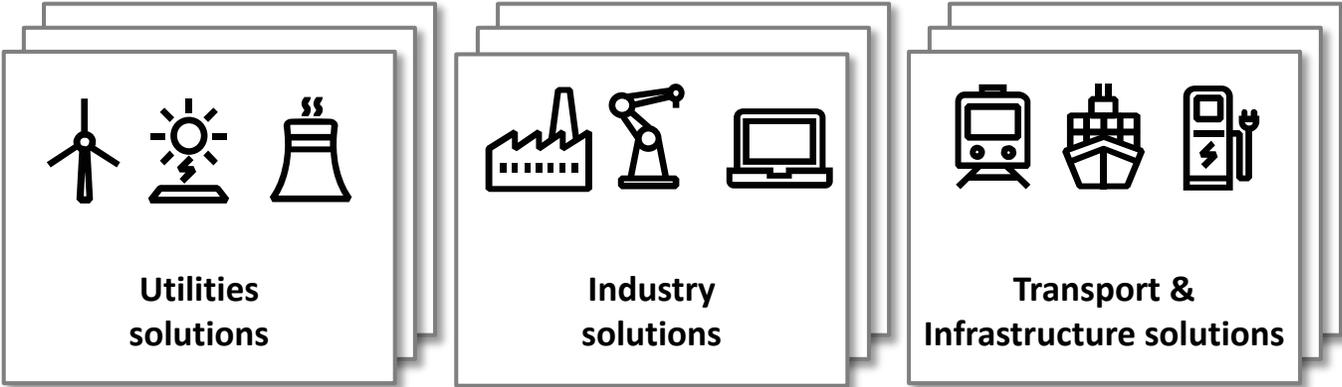
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An Introduction to the ABB Ability™ Platform



ABB Ability™ solutions & platform

180+ ABB Ability™ solutions



What Delivers customer benefit (uptime, speed, yield...)

How Provides ABB with efficiency and scale

ABB Ability™



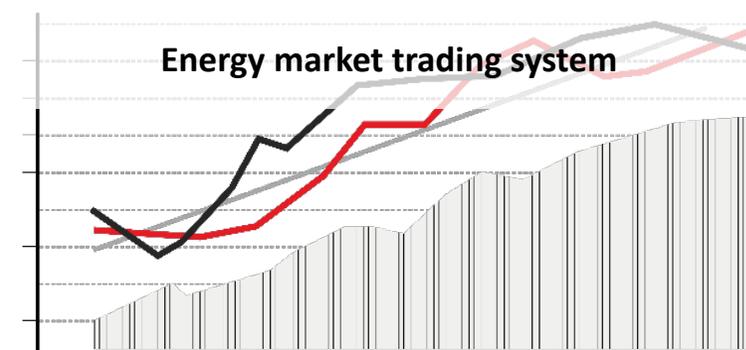


SELECTION

Digital operations for utilities

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

Digital operations



Digital operations for transport & infrastructure

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

Digital operations

Remote monitoring for ship electrical systems



Building & vessel automation



Navigation optimization for fleets



EV charging with cloud management



Vehicle-to-grid demand/supply coordination



Energy management for mega-datacenters





SELECTION

Digital operations for industry

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

Digital operations

Digital simulation for robot deployment



Connected robots



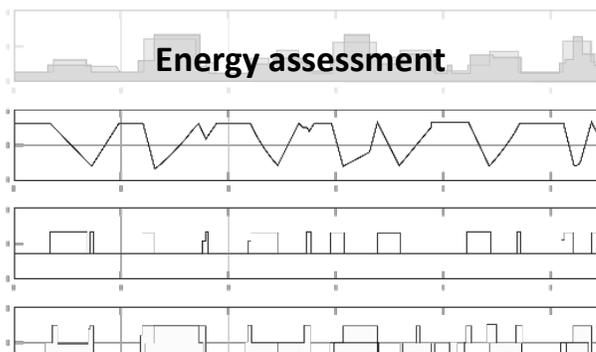
Manufacturing execution systems



Distributed control systems



Energy assessment



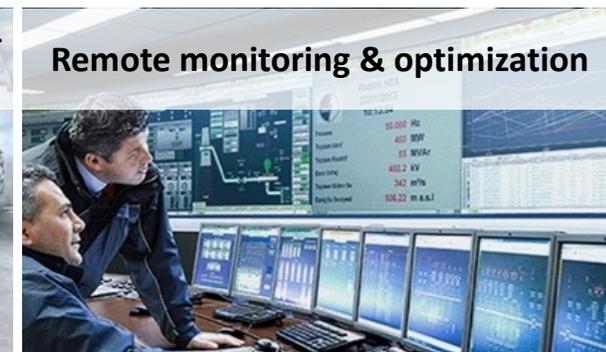
Cybersecurity assessment



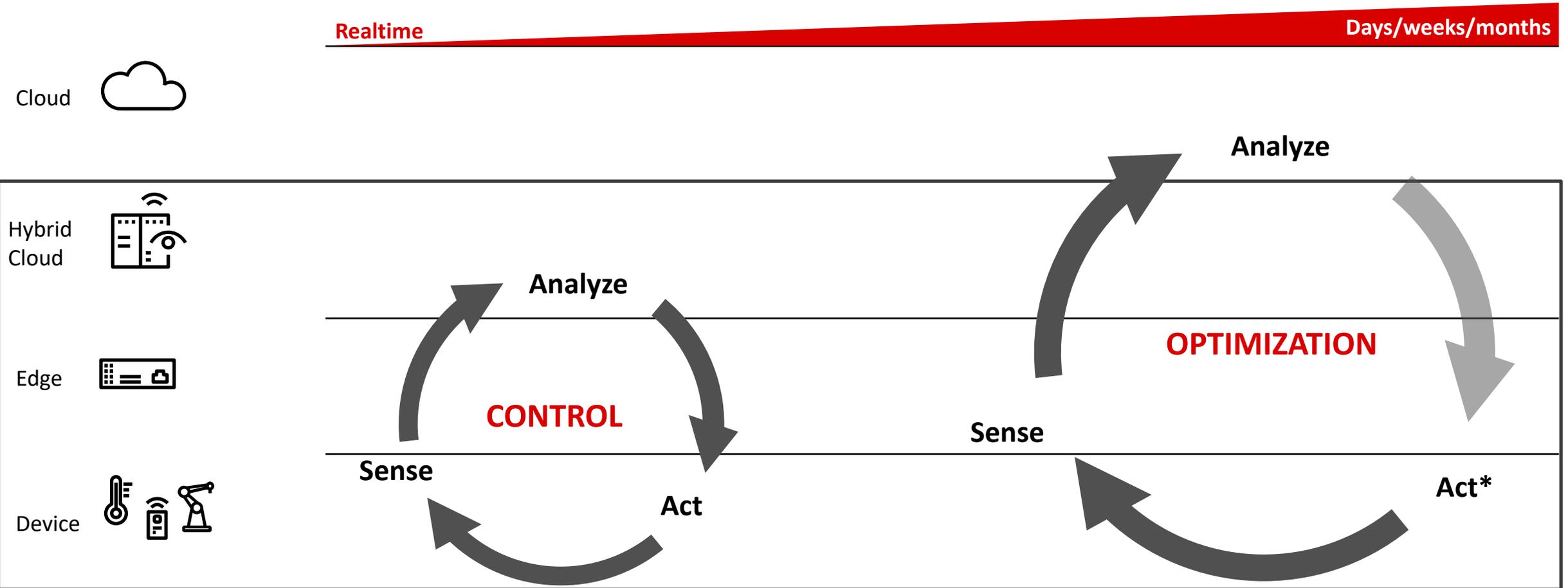
Power quality monitoring & demand-response



Remote monitoring & optimization



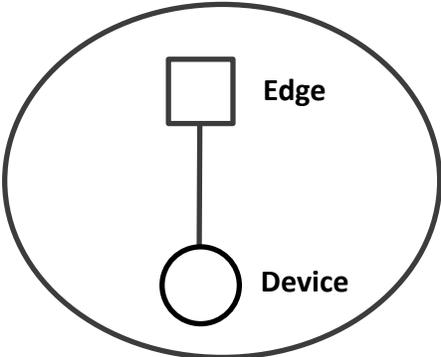
There are two loops: control loop & asset loop



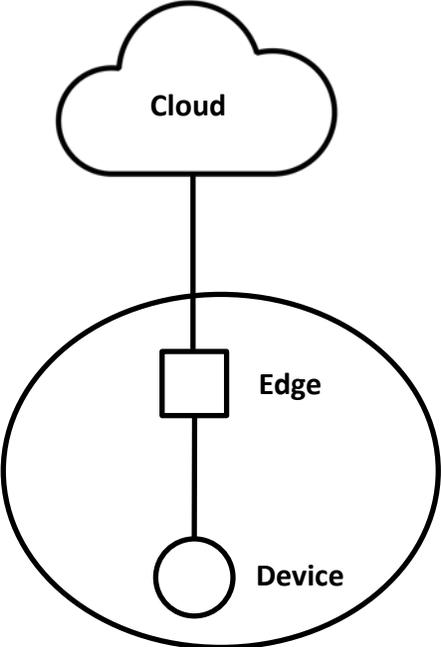
Leveraging the ABB Ability™ platform

Secure digital solutions on-premises, in the cloud, and in an ecosystem

On-premises



Cloud



Intercloud

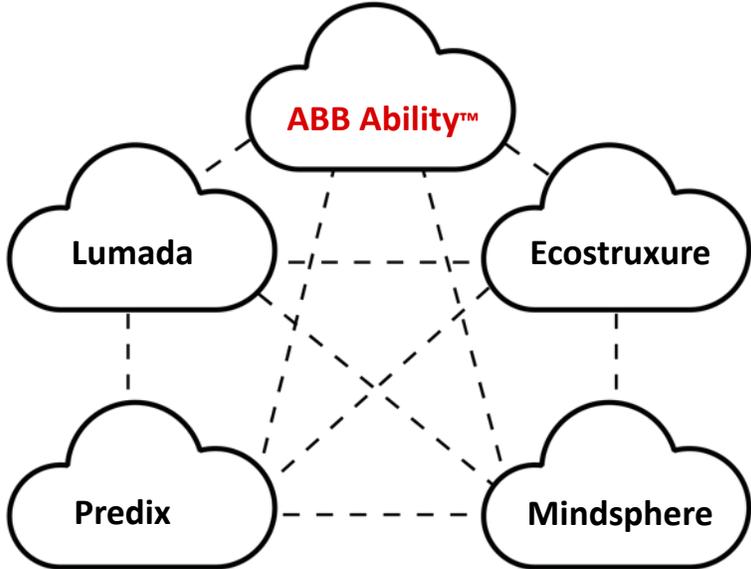


ABB Ability™: security, data, and IP

Making solutions and data safe for mission-critical applications



We secure your systems

- Secure operations
- Threat detection
- Secure communications
- Secure updates
- Secure boot



You own your data

- Identity
- Measurement data
- You know what we do with your data
- We only share data with your consent

$$f(x) = \$$$

You own your IP

No loss of intellectual property when using ABB Ability™ solutions

ABB cybersecurity standards

ABB IoT data manifesto¹

ABB intellectual property position

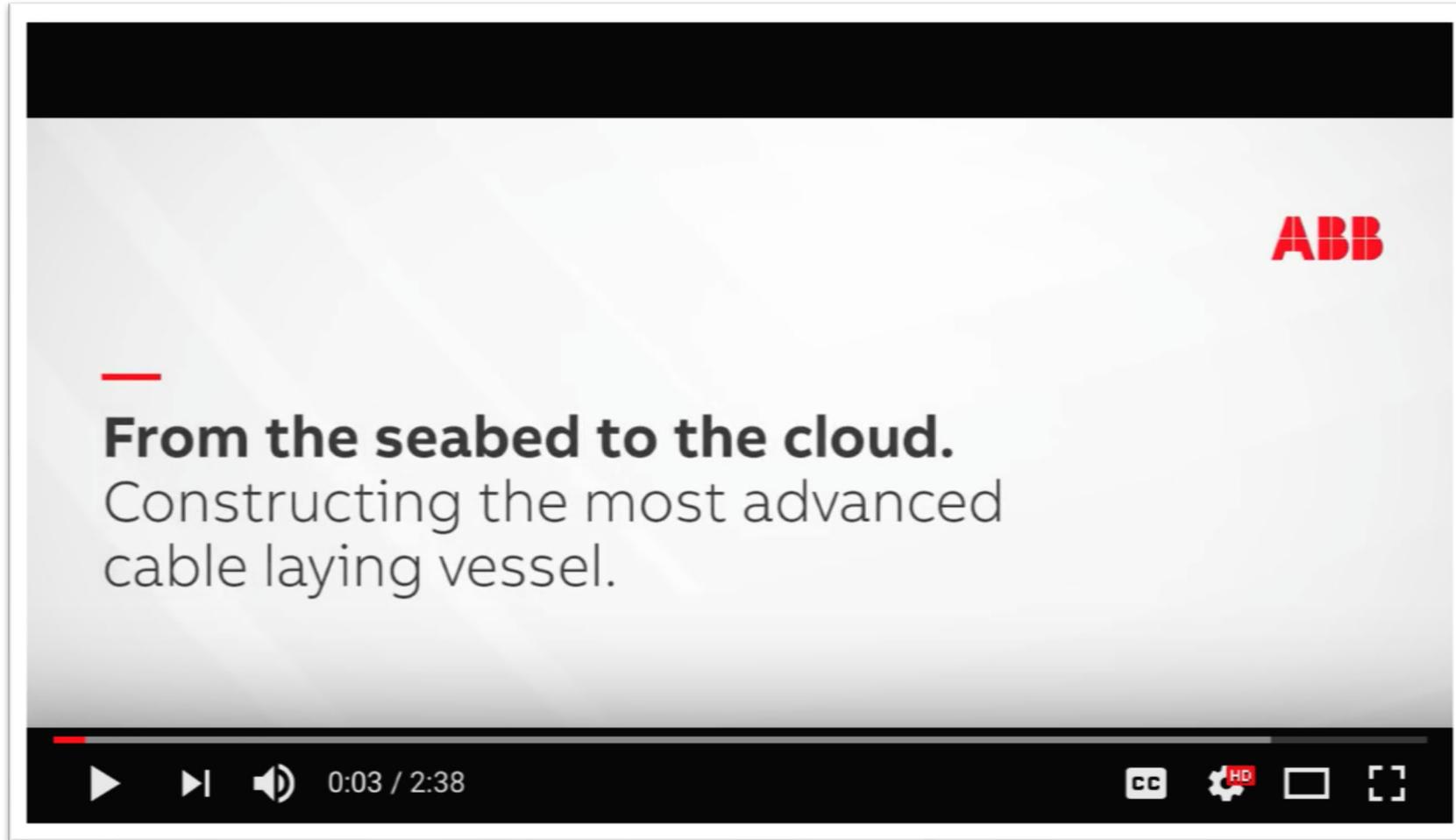
Customer video: Electrical Distribution Control System

Water utilities



Customer video: digital portfolio for ships

Marine



Customer video: Digital Substation

Utilities



ABB Ability™ Customer Experience Centers

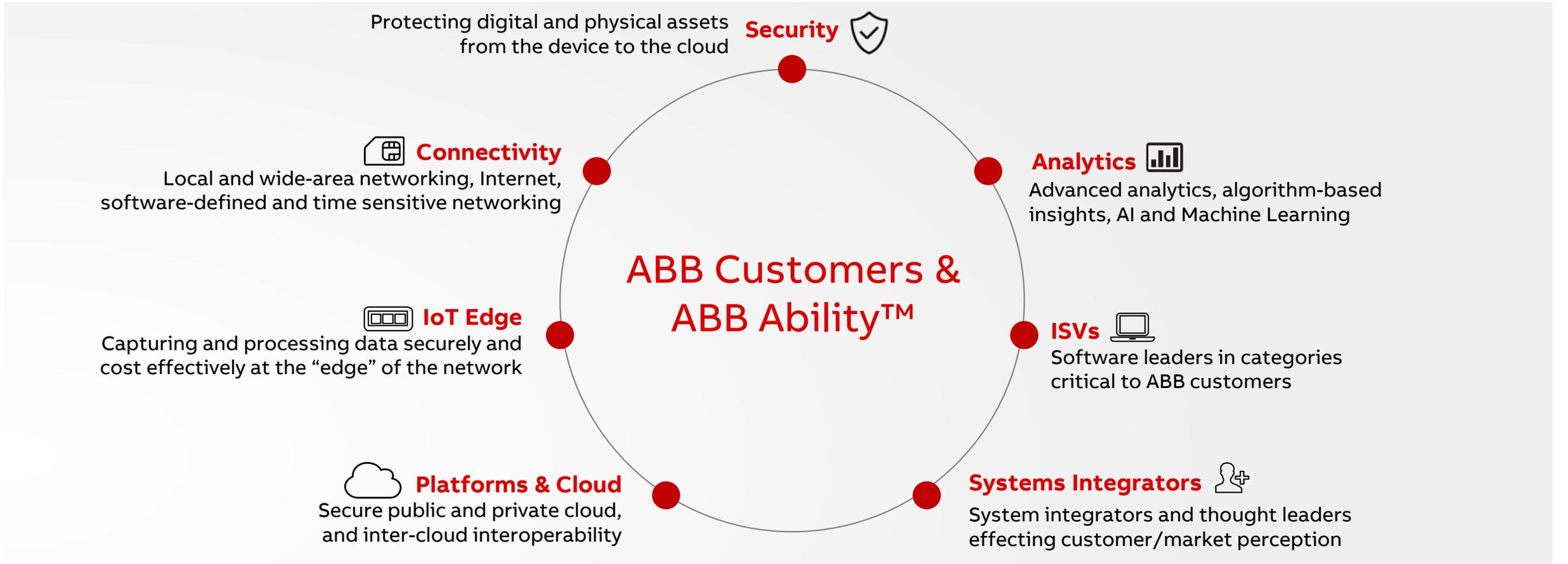
Co-innovate with customers to increase value creation opportunities



- Houston (Americas)
- Ladenburg (Europe)
- Bangalore (AMEA)



Multiple categories define the ABB digital ecosystem



Conclusions

- 1 Digital opportunity is here
- 2 Digital is transforming every aspect of industry
- 3 Need to combine IT innovations with OT expertise
- 4 ABB has a wide range of industry-leading solutions—ask our BUs about their portfolios
- 5 Industry-standard platform components leverage an ecosystem of innovation
- 6 ABB has unparalleled expertise in technology, information, and domain know-how
- 7 ABB Ability™ solutions are ready now

Writing the digital future takes ability.

ABB Ability™.

