AUBURN HILLS, SEPTEMBER 6, 2017

Writing the digital future takes ability. ABB Ability™.

ABB Innovation & Technology Day

Guido Jouret, CDO

Important Notices

Presentations given during the ABB Innovation & Technology Day 2017 includes forward-looking information and statements including statements concerning the outlook for our businesses. These statements are based on current expectations, estimates and projections about the factors that may affect our future performance, including global economic conditions, and the economic conditions of the regions and industries that are major markets for ABB Ltd. These expectations, estimates and projections are generally identifiable by statements containing words such as “expects,” “believes,” “estimates,” “targets,” “plans,” “outlook” or similar expressions.

There are numerous risks and uncertainties, many of which are beyond our control, that could cause our actual results to differ materially from the forward-looking information and statements made in this presentation and which could affect our ability to achieve any or all of our stated targets. The important factors that could cause such differences include, among others:

- business risks associated with the with the volatile global economic environment and political conditions
- costs associated with compliance activities
- market acceptance of new products and services
- changes in governmental regulations and currency exchange rates, and,
- such other factors as may be discussed from time to time in ABB Ltd’s filings with the U.S. Securities and Exchange Commission, including its Annual Reports on Form 20-F.

Although ABB Ltd believes that its expectations reflected in any such forward-looking statement are based upon reasonable assumptions, it can give no assurance that those expectations will be achieved.

The presentations and the related discussion may also contain or refer to non-GAAP measures of performance. Definitions of these measures and reconciliations between these measures and their US GAAP counterparts can be found in the “Financial information” documents under “Quarterly results and annual reports” on our website at http://new.abb.com/investorrelations/

Capital Markets Day 2016 to today

Accelerating momentum on digital

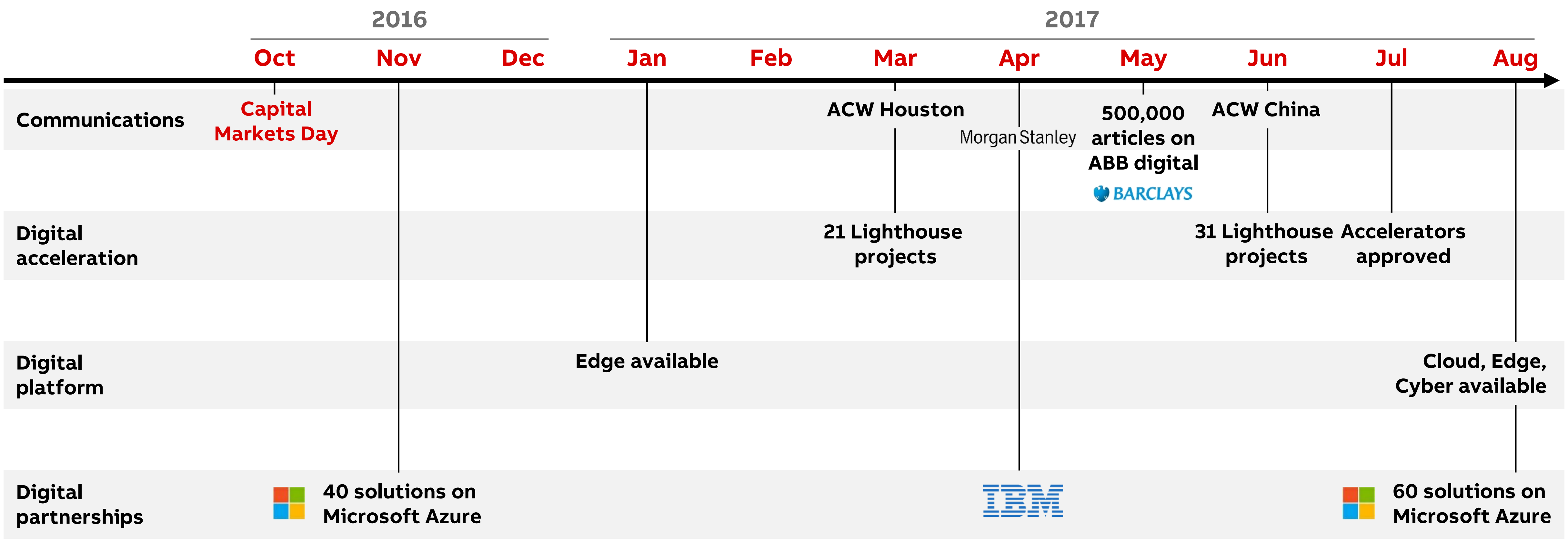

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ABB Ability™ solutions & platform

180+ ABB Ability™ solutions

ABB Ability™

Utilities solutions

Industry solutions

Transportation & Infrastructure solutions

Microsoft

Platform

(common technologies for device, edge, and cloud)

IBM

What — Delivers customer value (safety, uptime, speed, yield…)

How — Provides ABB with efficiency and scale

SELECTION

Digital operations for utilities

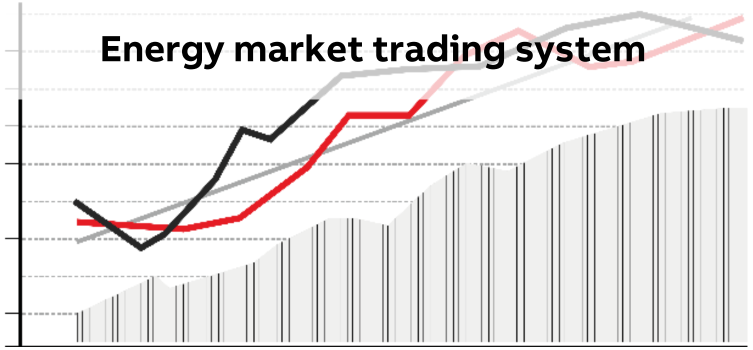
Reduced installation time (-40%), maintenance costs (-50%) and outage time (-50%)

Digital operations

Microgrids

Maintenance workflow management

Energy market trading system



Automated digital substation

Distributed energy resource management

Asset performance management

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Digital operations for transport & infrastructure

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

Digital operations

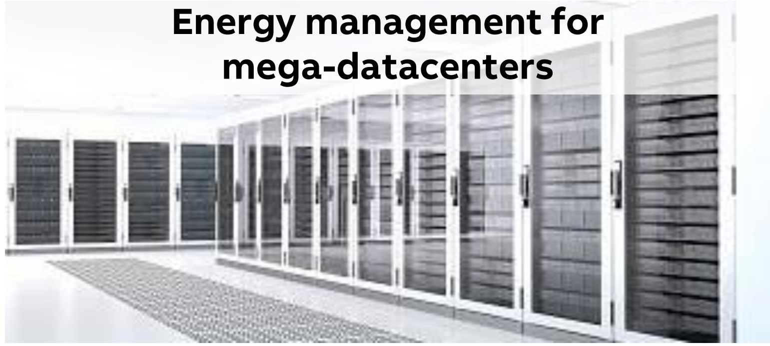
Remote monitoring for ship electrical systems

Building & vessel automation

Navigation optimization for fleets

EV charging with cloud management

Vehicle-to-grid demand/supply coordination



Energy management for mega-datacenters

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SELECTION

Digital operations for industry

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

Digital operations

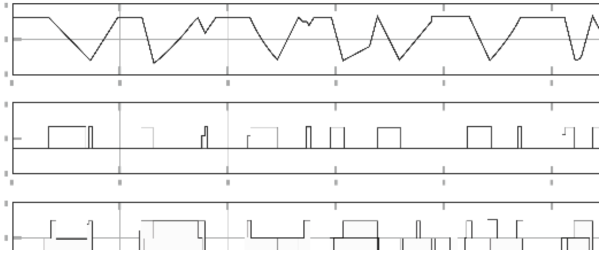
Digital simulation for robot deployment

Connected robots

Manufacturing execution systems

Distributed control systems

Energy assessment



Cybersecurity assessment

Power quality monitoring & demand-response

Remote monitoring & optimization

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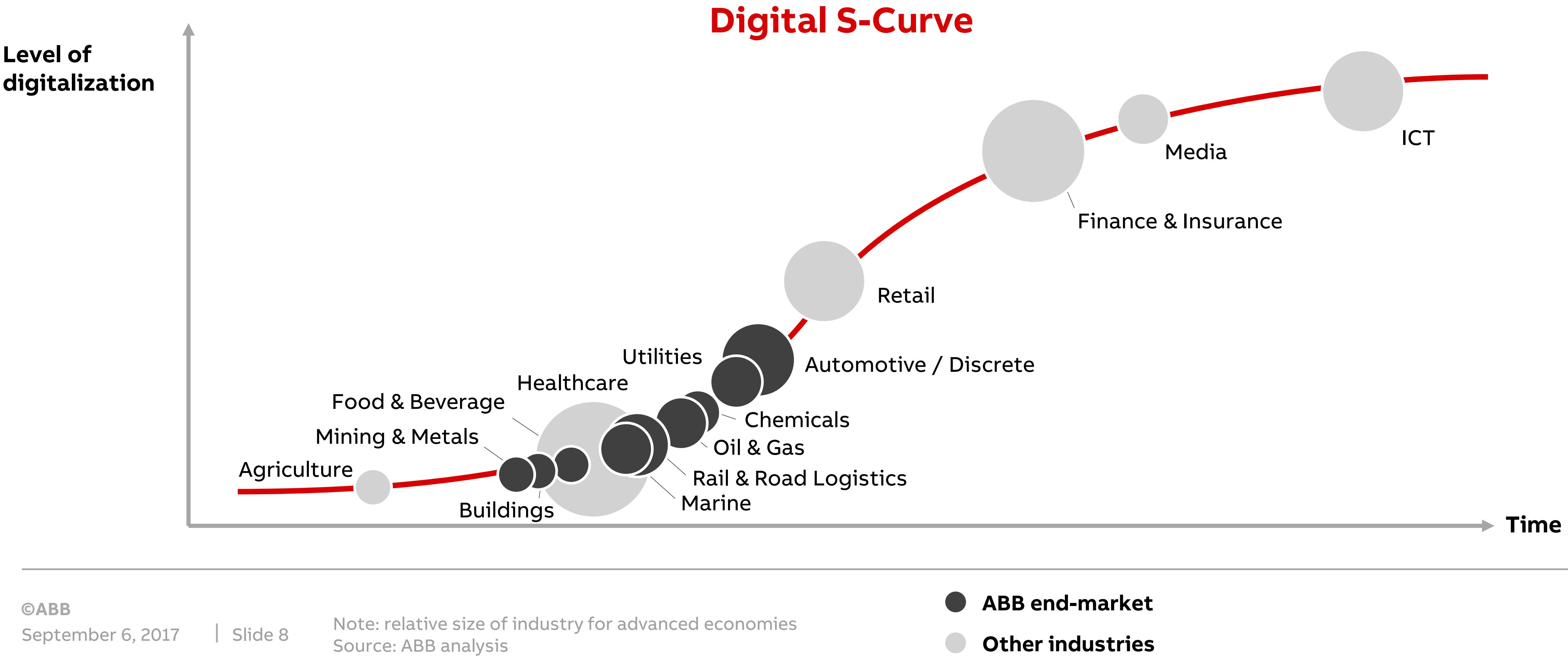
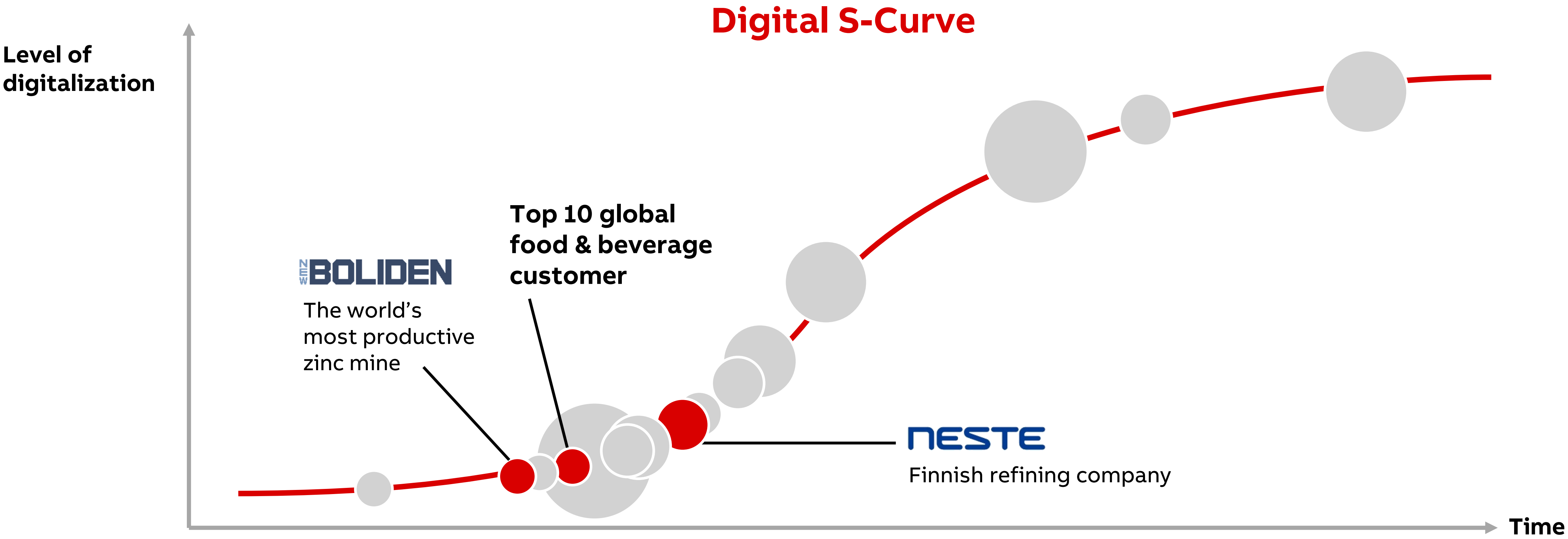
Industrial markets primed to adopt digital technologies

Computing + connectivity + cloud + analytics set to unlock value



Note: relative size of industry for advanced economies
Source: ABB analysis

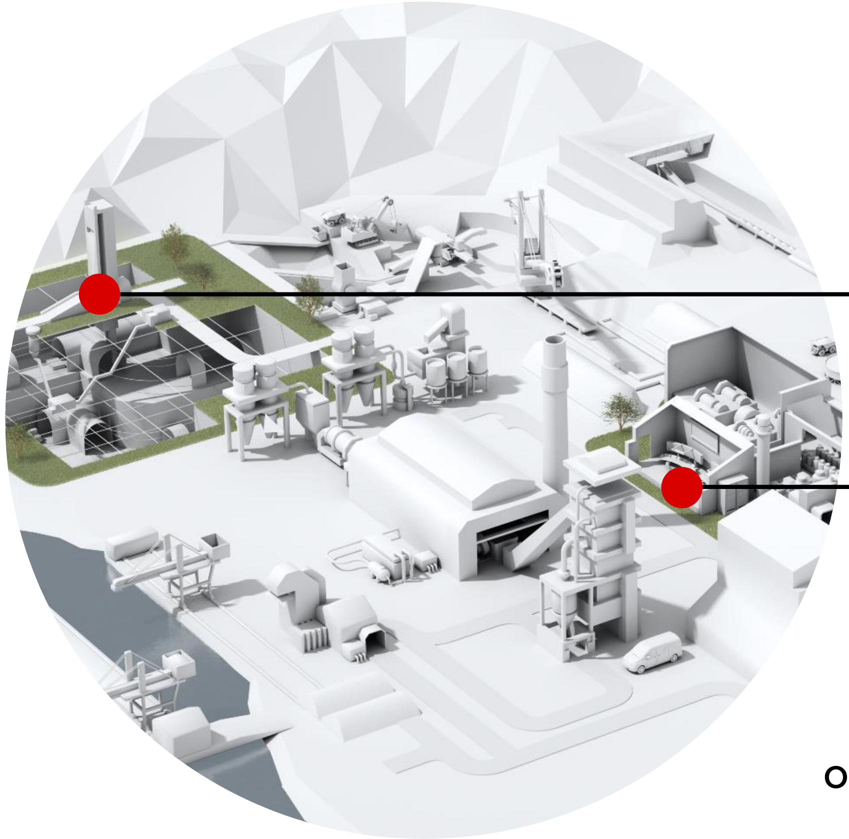
Digital operations customer examples

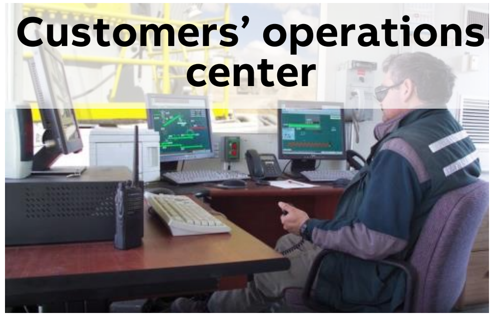


Note: relative size of industry for advanced economies
Source: ABB analysis

Mining: world-class productivity in low-yield mine

Smart ventilation for energy savings and remote monitoring to improve uptime





5% uptime improvement
of mine hoists and gearless mill drives

30 – 50% energy savings
in mine ventilation

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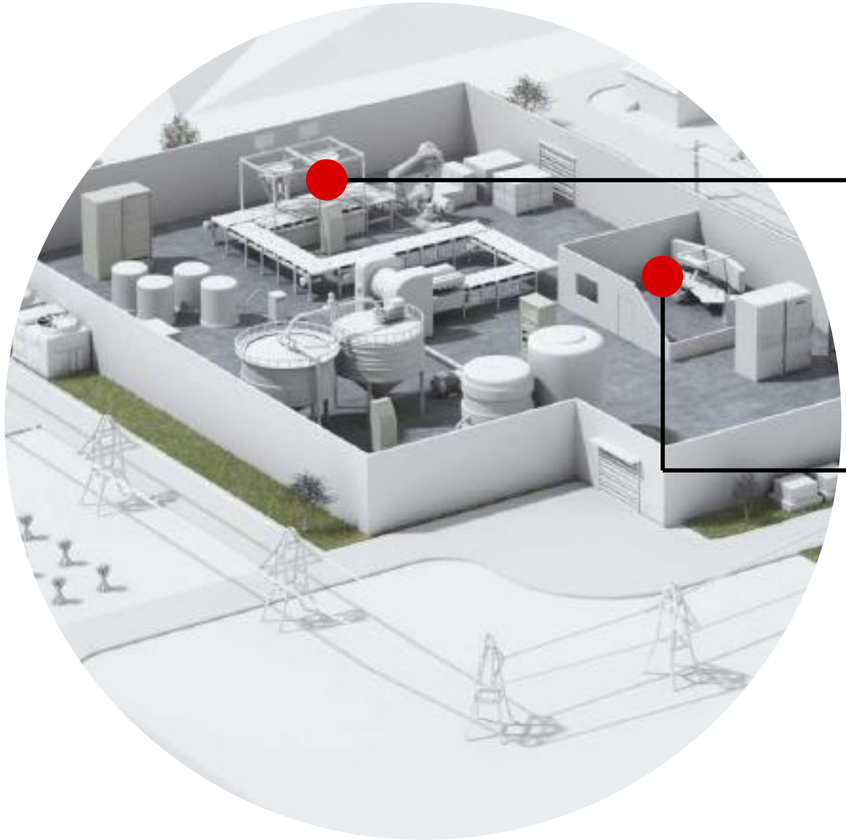
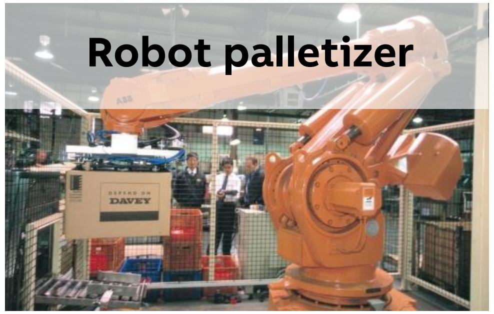
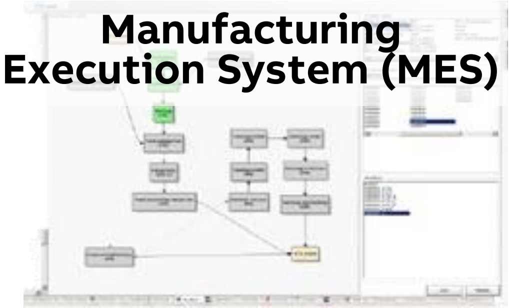
Food & beverage: integrated, digitally enhanced operations

Top 10 global food & beverage customer

Robot palletizer and Manufacturing Execution System (MES) to boost safety & productivity







100% increase in production
800 bags/hr produced vs 400/hr

ROI in 2.3 years
Automation investment payback

Refinery: complete end-to-end analytics

IT-OT integration to improve end-to-end productivity across the plant

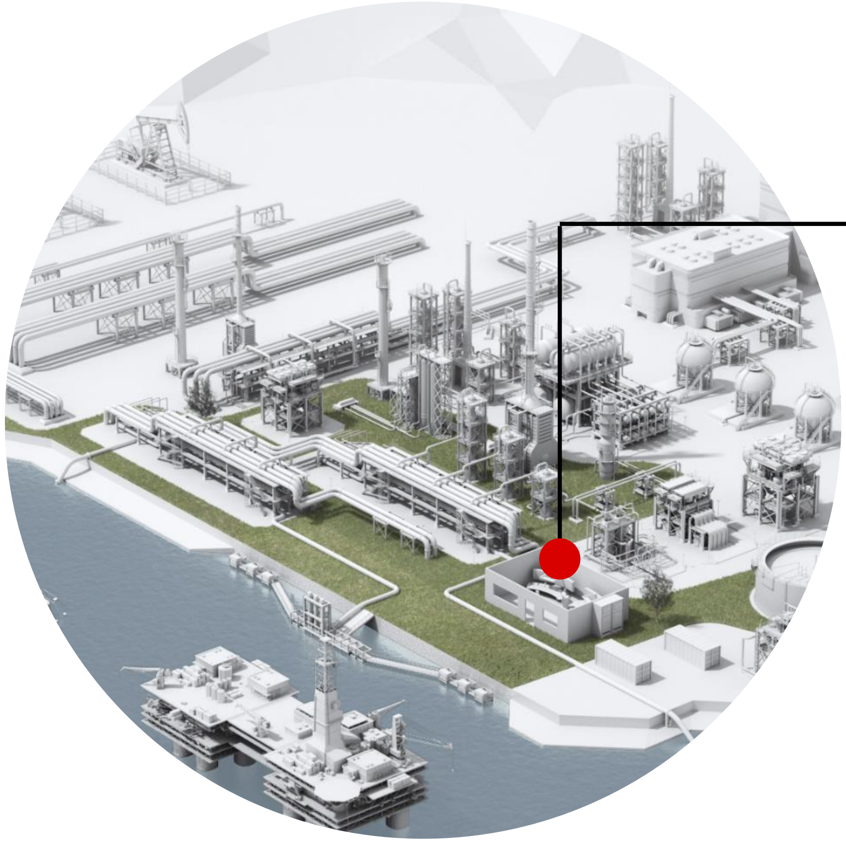
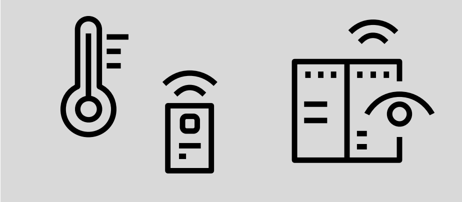


ABB Ability™ plant management system



Plant-wide end-to-end visibility

Integrating 15 3rd party DCS systems

Industry-leading product quality & efficiency

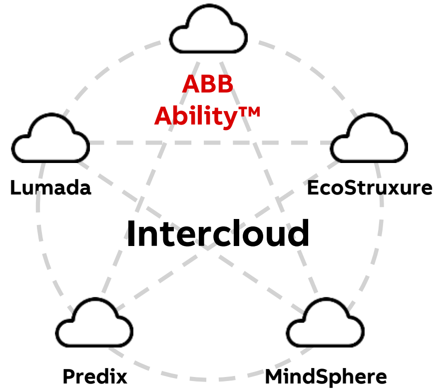
81 applications automate every stage of production

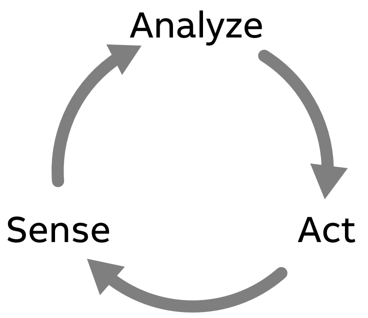
Customer feedback on ABB digital strategy

Message resonating well, opening the door for strategic enterprise-wide engagements

”ABB Ability™ combines **domain expertise and digital thought leadership** building on existing partnerships “

DATA MANIFESTO





”The **open architecture** of ABB Ability™ is **key to build future applications** “

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