AUBURN HILLS, SEPTEMBER 6, 2017

Leadership in industrial automation

ABB Innovation & Technology Day

Ulrich Spiesshofer, CEO



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 forwardlooking 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/

ABB: the pioneering technology leader





Why are we here today?



#1 economy in the world

#1 automation market globally for the industry sector

#1 market globally for ABB

- ~20,000 employees
- 60 manufacturing sites
- ~\$11 bn capital deployed since 2010



<u>Auburn Hills</u> Cradle of robotics in the US



Purpose of today

Inform	Next Level update Industrial Automation Robotics & Motion ABB Ability™ Innovation – what's next?
Experience	Robotics solutions and factory tour ABB Ability [™] System 800xA [®] – intelligent Chemical Projects B&R – Machine & Factory Automation ABB Ability [™] – mining solution and platform ABB Ability [™] Collaborative Operations [™] – digital transformation in Marine
Discuss	Open forum Executive and business management dialogue



Next Level transformation – update

ABB's leadership in industrial automation



2017: living Next Level

Clear priorities, implementation well under way

	Driving growth in four market-leading entrepreneurial divisions
Profitable Growth	Shifting the Center of Gravity: competitiveness, growth, risk
	Quantum leap in digital
	Value creating, strategic acquisitions and partnerships
Relentless Execution	World-class operational excellence across the whole organization
	 White Collar Productivity, Net Working Capital, Quality
	Linked strategy, performance management and compensation
	Market focused and lean organization
Business-led Collaboration	Continued leadership development
	Strengthening the global ABB brand

Growth momentum building

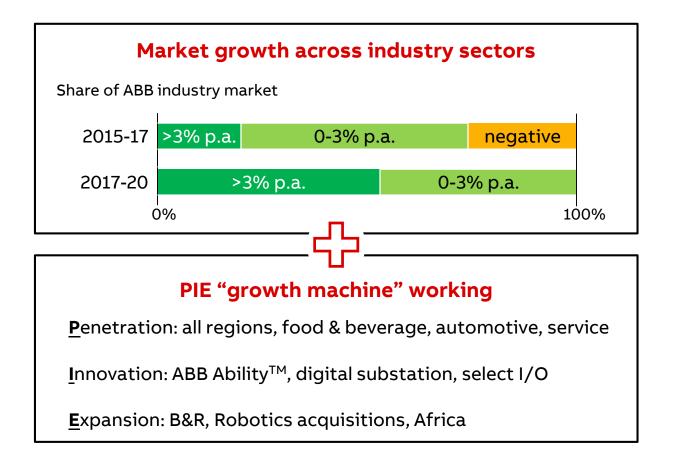
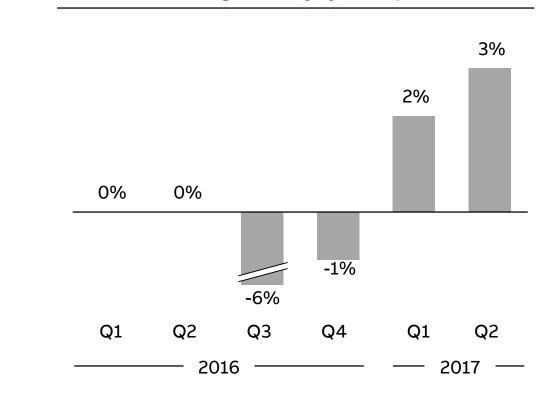


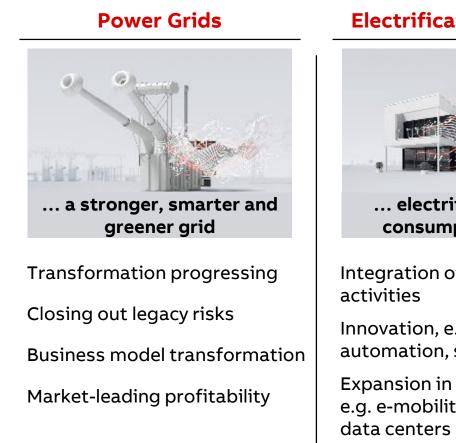
ABB base order growth, yoy, comparable



New division structure working well

Partner of choice for ...

©ABB



Electrification Products



... electrification of all consumption points

Integration of all ABB LV-/ MVactivities

Innovation, e.g. home automation, smart products

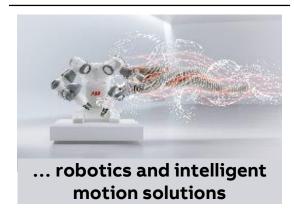
Expansion in growth sectors, e.g. e-mobility, renewables, data centers

Industrial Automation



Leading in digitalization, software and service

Robotics and Motion



Focused, simplified portfolio

Robotics: innovation & customer value leader

Motion (motors & drives) bottoming out, early cycle momentum building

Shifting ABB's Center of Gravity

Steady action stream driving the transformation¹

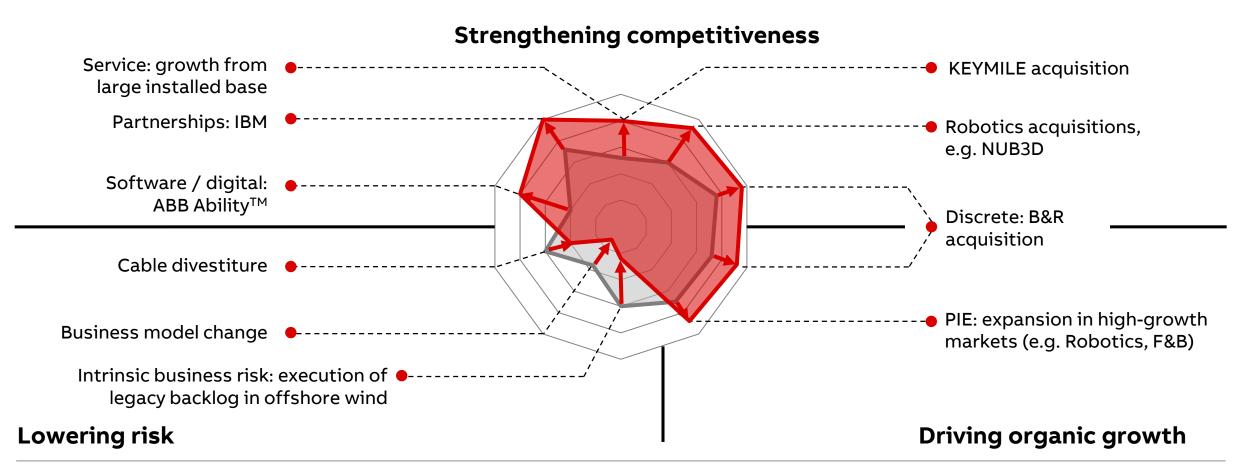
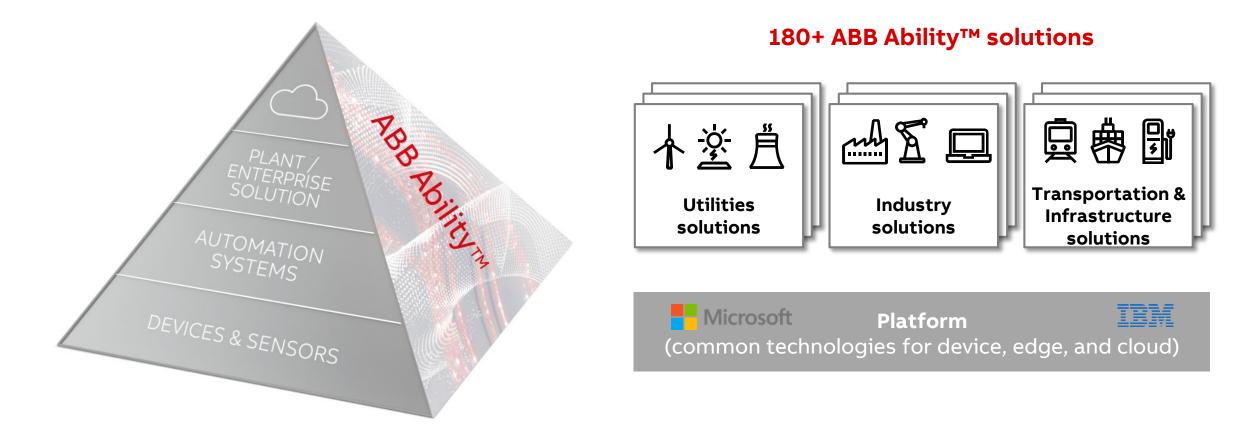




ABB Ability™: industry-leading digital solutions

Successful launch in Europe, Americas and AMEA¹ in H1 2017



ABB's group targets 2015-20

Ambition confirmed

Revenue growth ¹	3 – 6%
Operational EBITA % ²	11 – 16%
Operational EPS growth CAGR ³	10 – 15%
FCF conversion to net income	>90%
CROI % ⁴	Mid-teens

⁴Temporary reduction possible in the event of larger acquisitions

Next Level – summary

- Next Level transformation well under way
- Topline growth and steady profitability despite market head winds & ongoing transformation
- 2017 crucial transition year
- Market dynamics improving
- ABB returning to profitable growth
- 2018 first year of "new normal"

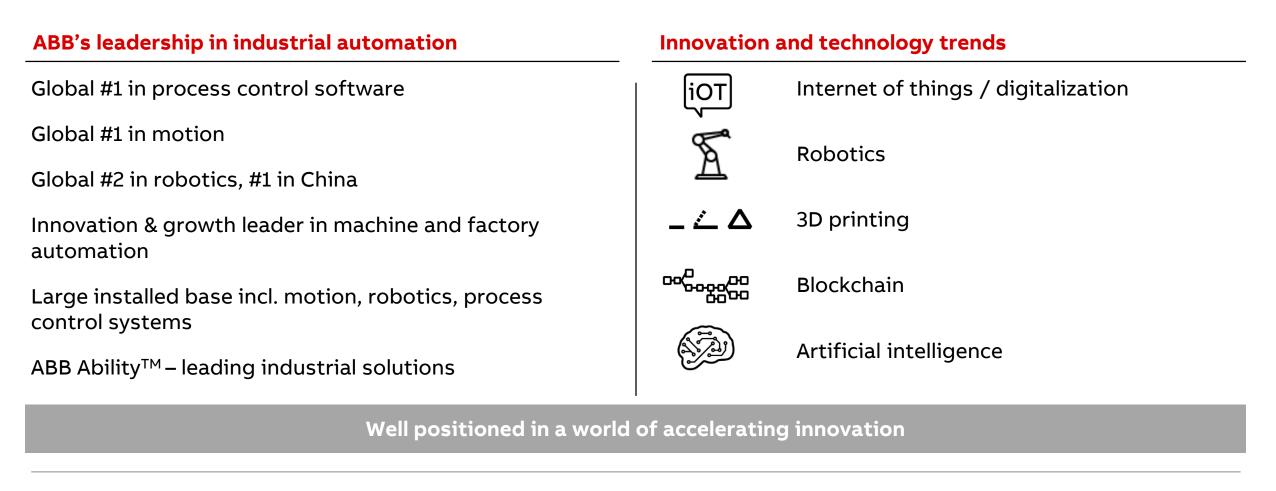


Next Level transformation – update

ABB's leadership in industrial automation

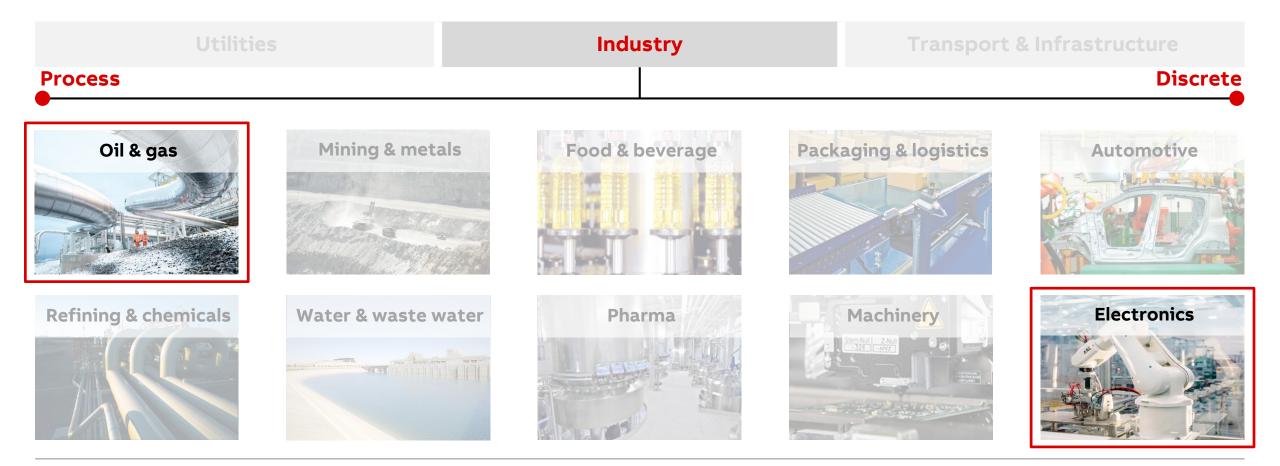
Industrial automation

ABB positioned as pioneering innovation and technology leader¹



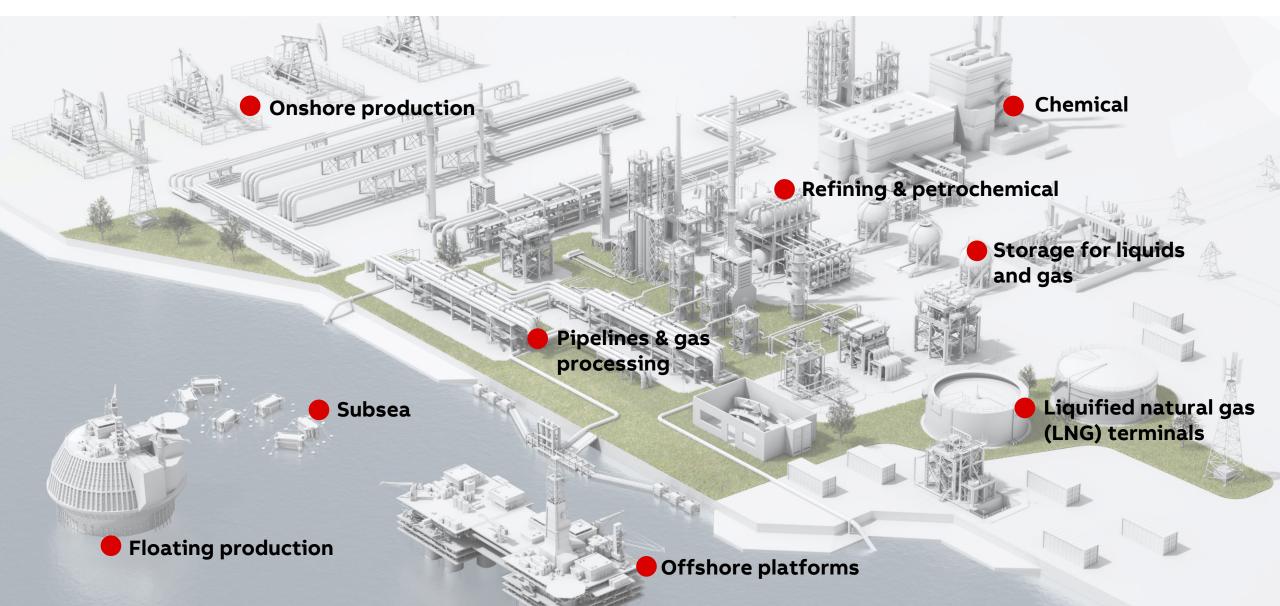
Industrial automation market

A >\$200 bn market for ABB expected to grow ~3% p.a.¹



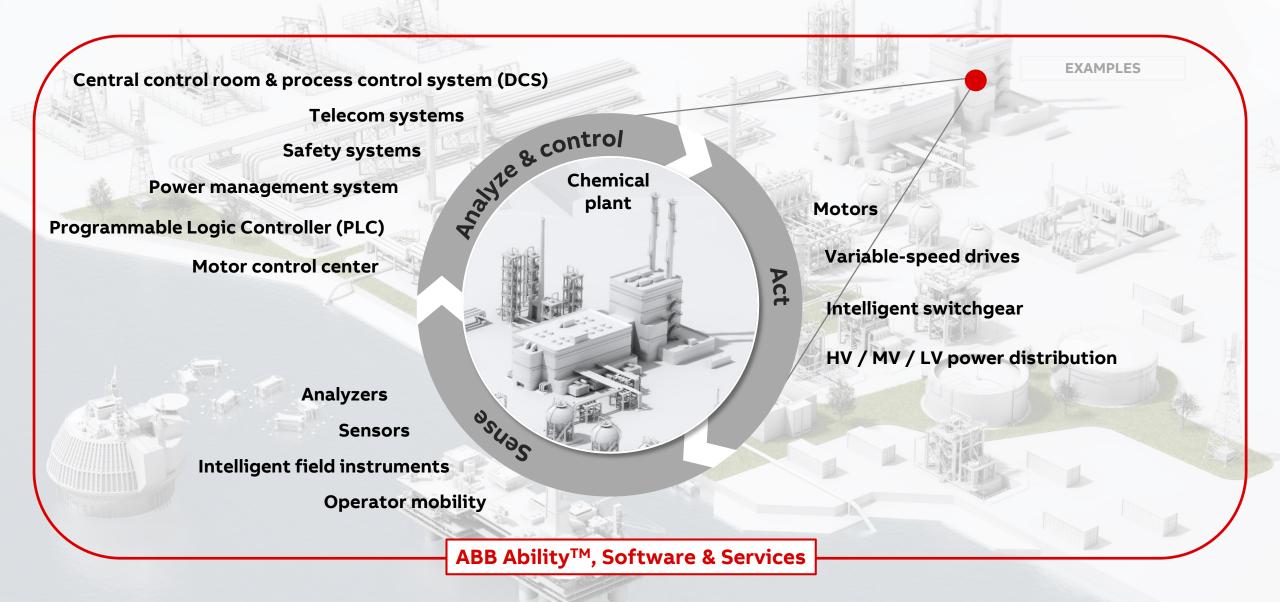
Our customers' operations

Example: oil, gas & chemicals



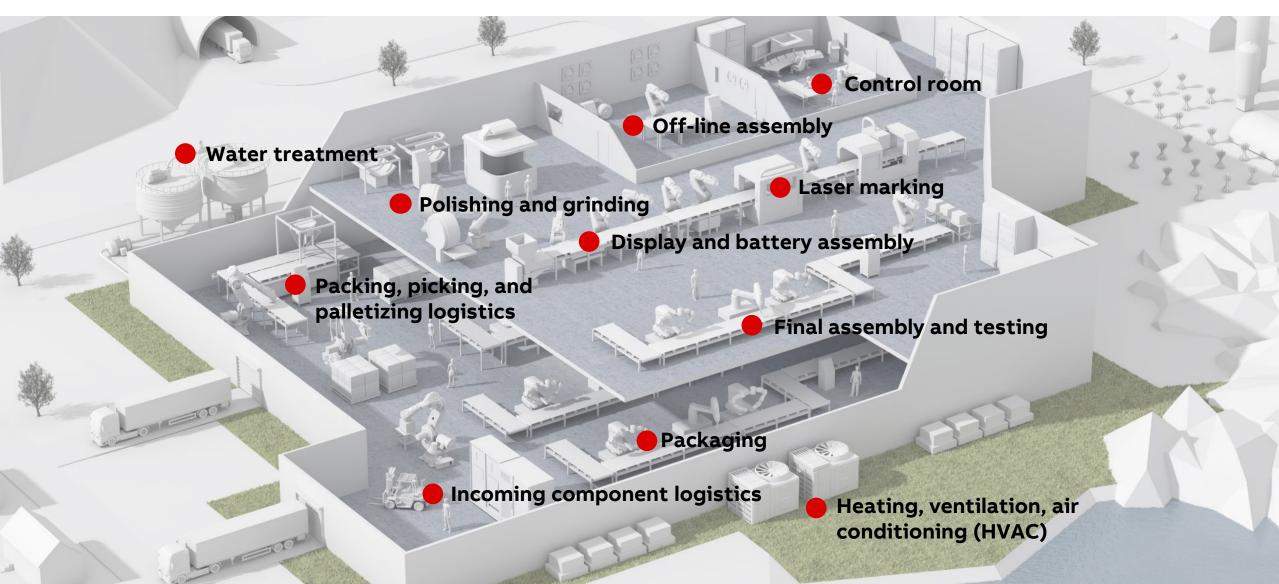
Our customers' operations – example: chemical plant

ABB has a complete offering for process industries



Our customers' operations

Example: electronics manufacturing plant in discrete industries



Our customers' operations – example: electronics manufacturing plant

ABB has a complete offering for discrete industries

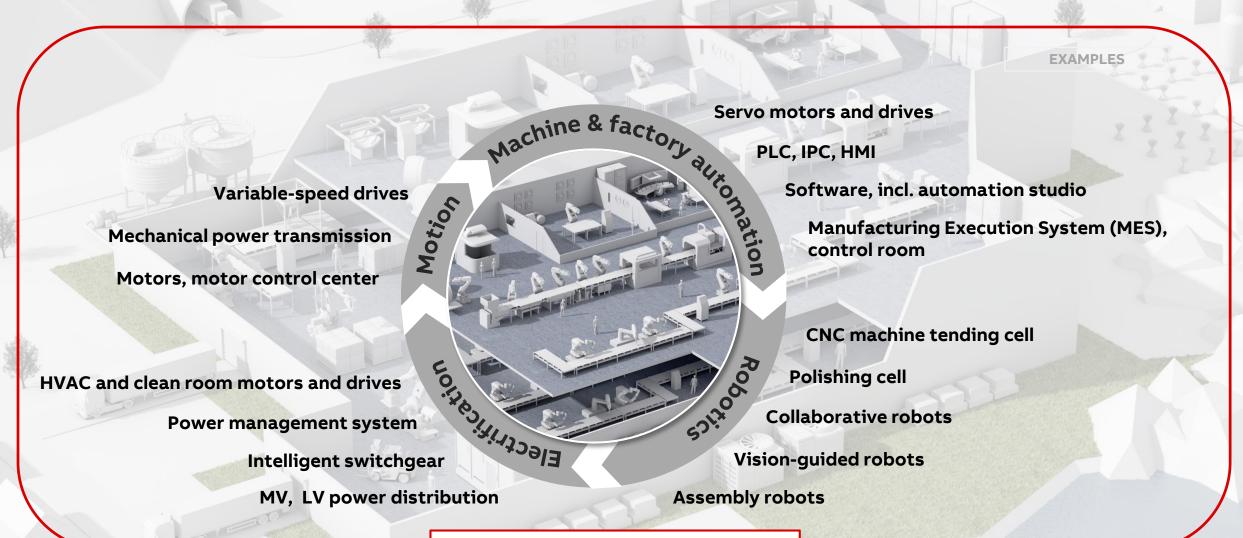
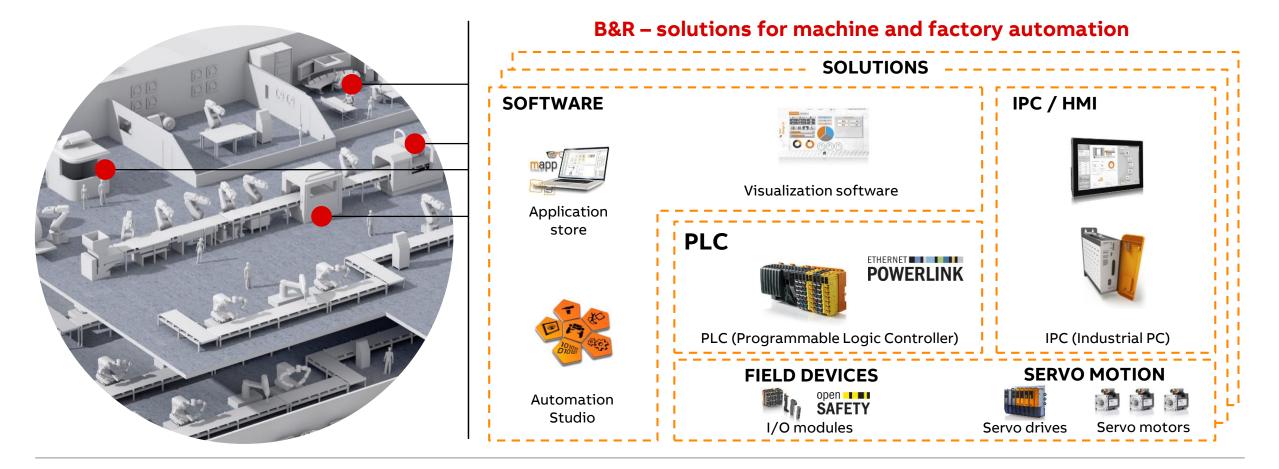


ABB Ability™, Software & Services

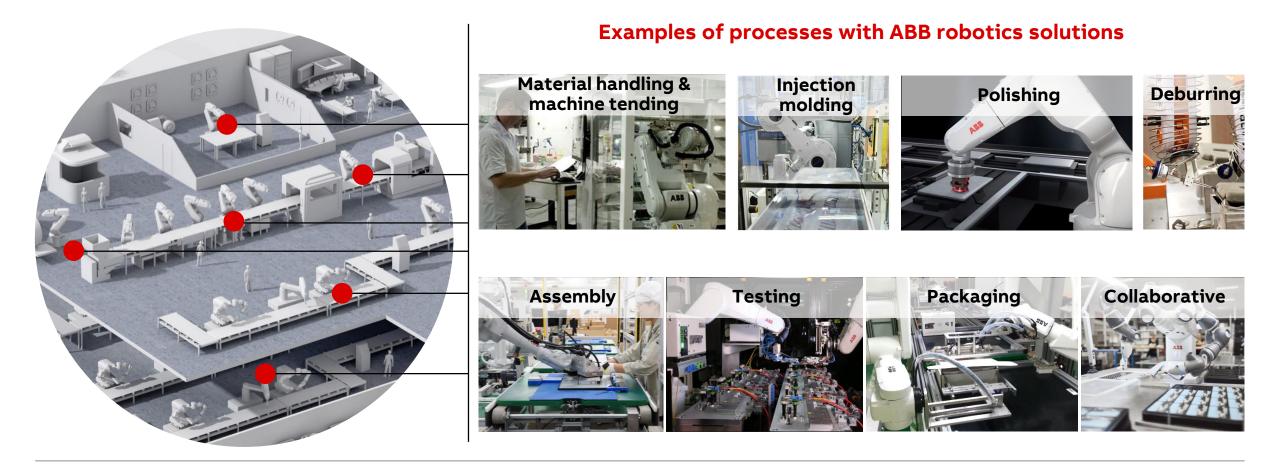
Our customers' operations – example: electronics manufacturing plant





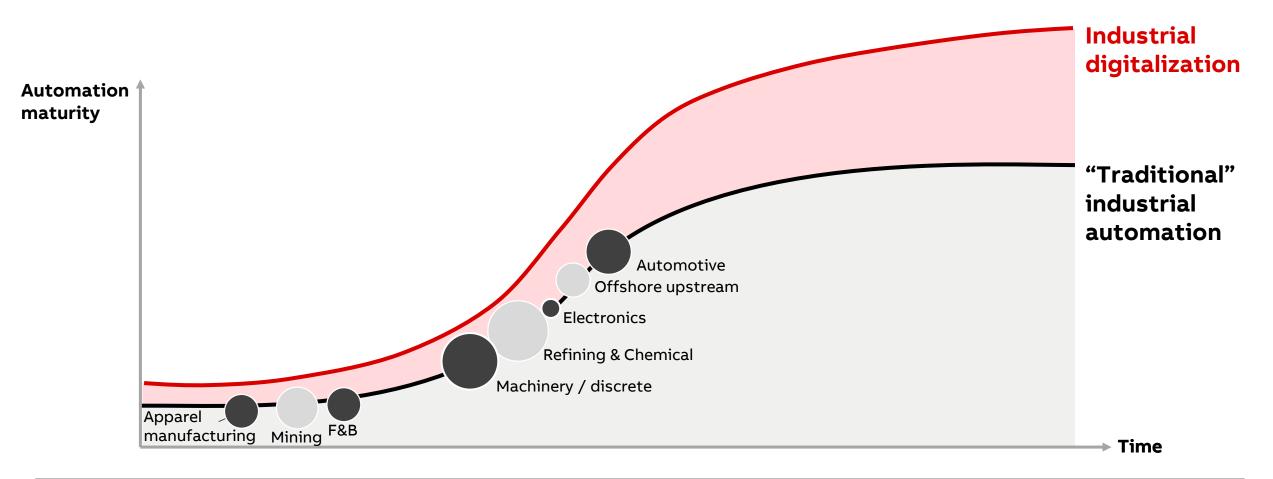
Our customers' operations – example: electronics manufacturing plant

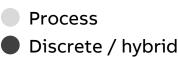
ABB robotic solutions tailored to customers' process and needs



Our customer value proposition for industrial automation

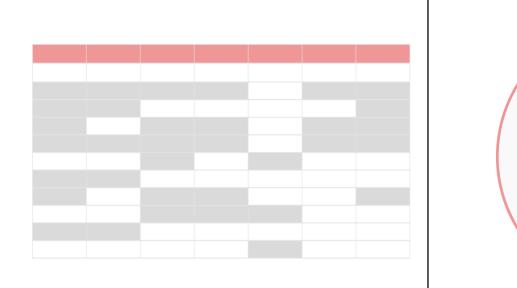
ABB is the partner of choice for value creation through automation and digitalization





ABB's unique competitive differentiation

Three building blocks



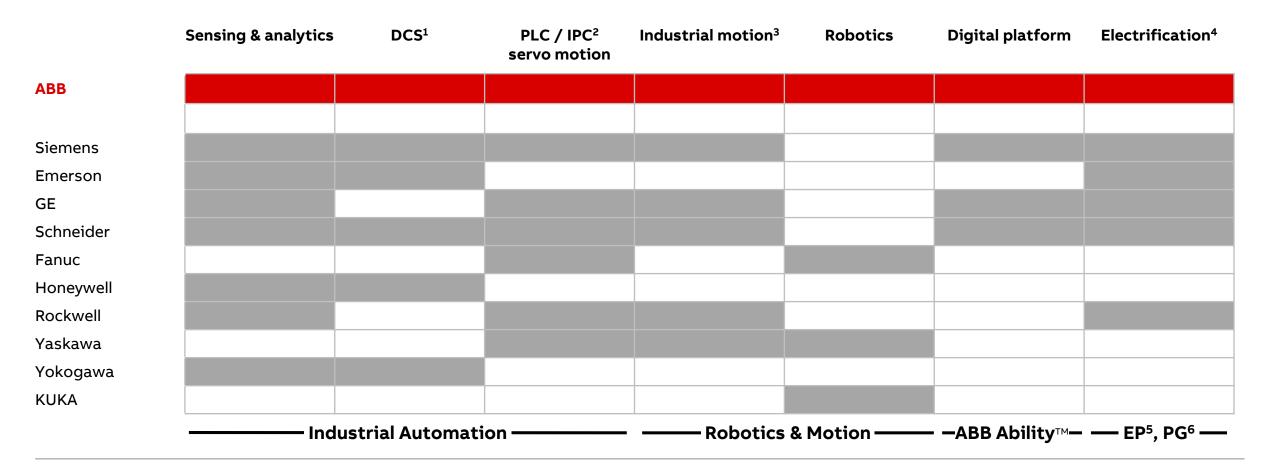








ABB's leading industrial automation portfolio

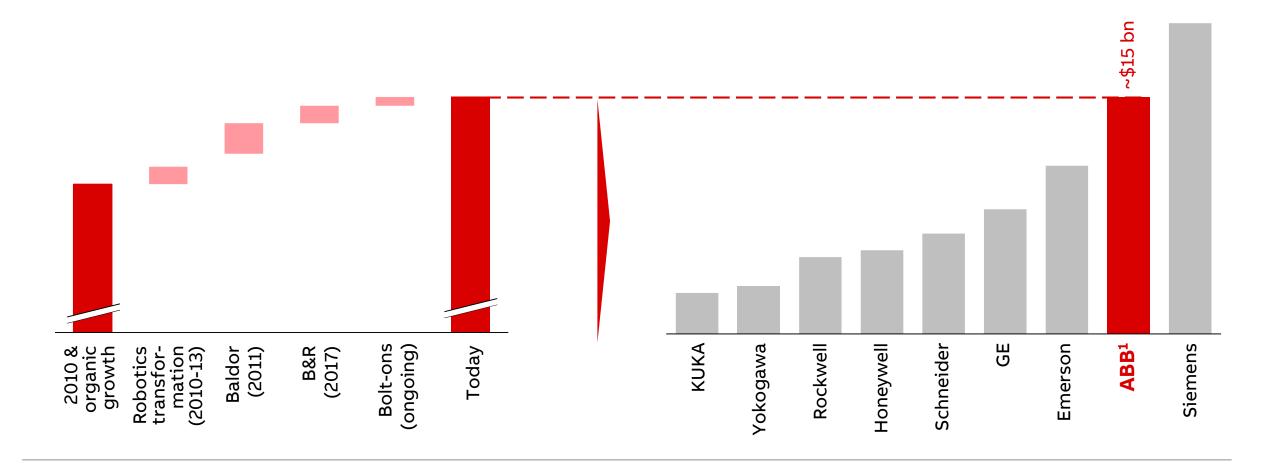






ABB's leading industrial automation portfolio

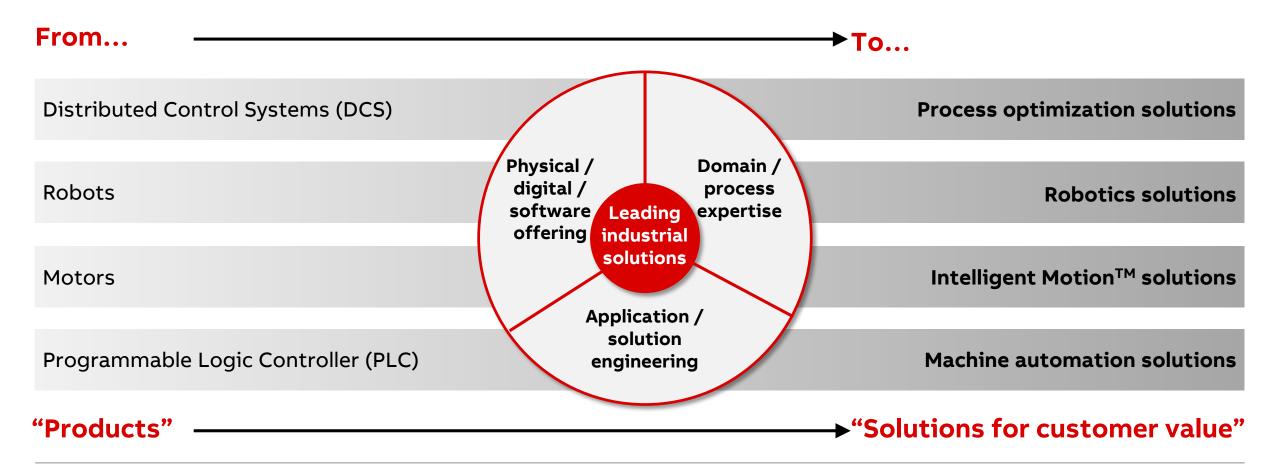
Targeted portfolio development results in solid #2 position







Solution-oriented business model for industrial automation





Solution-oriented business model for industrial automation

Increasing customer value along the entire lifecycle with ABB Ability™

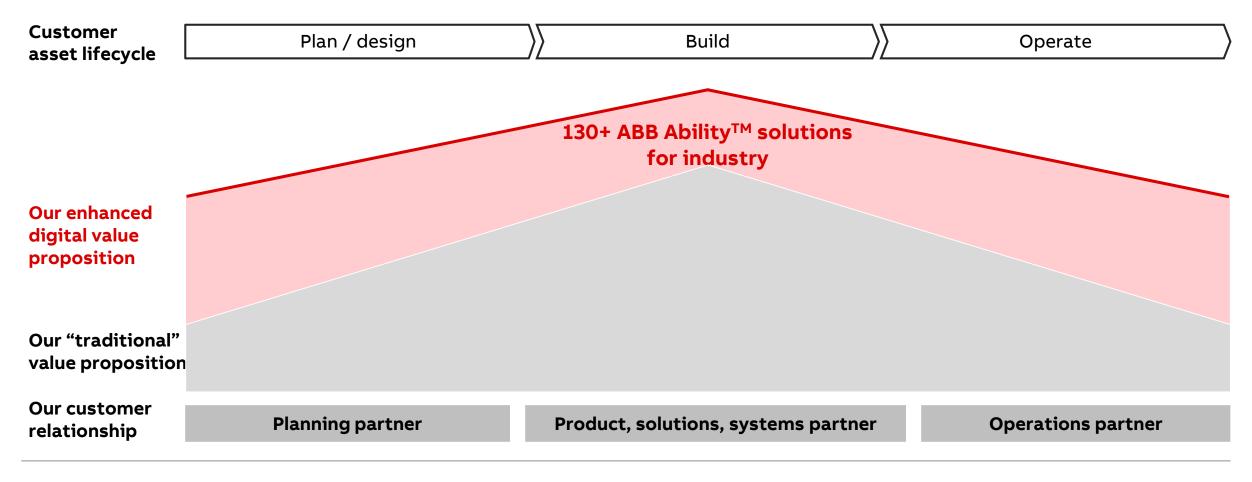
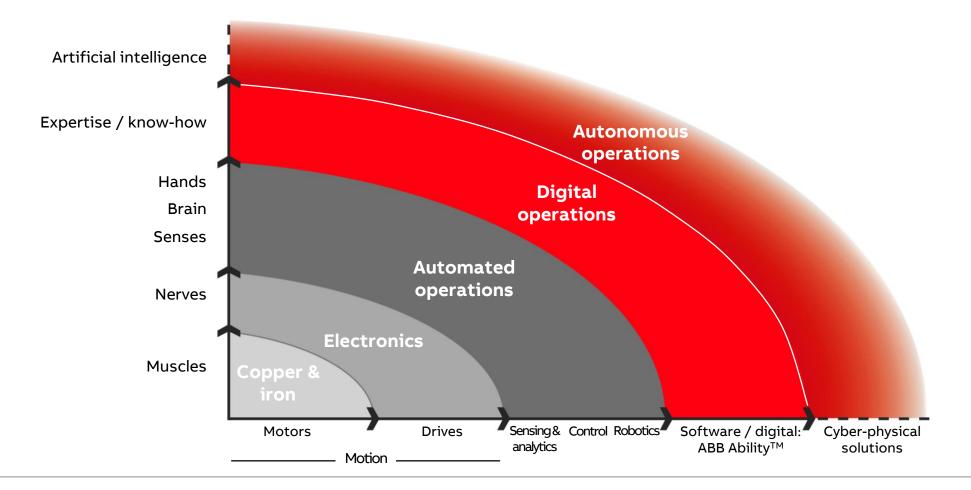


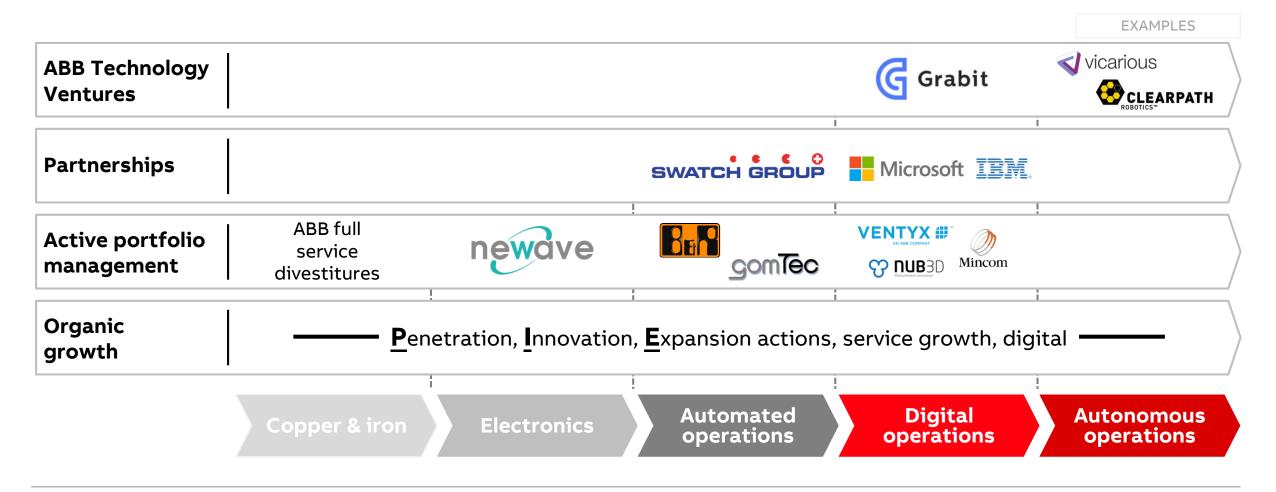
ABB innovation dynamics

Continuous innovation dynamics for Next Level customer value



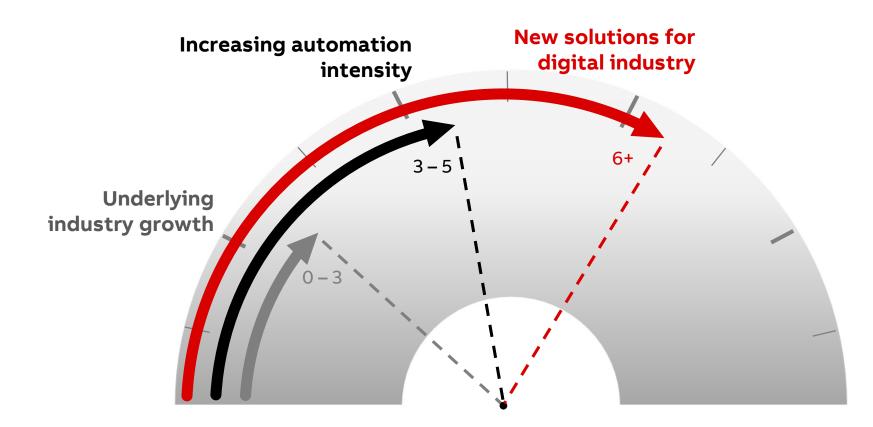
What to expect from ABB in industrial automation?

Targeted, disciplined combination of all means of growth



What to expect from ABB?

Unique growth dynamics



What to expect from ABB?

Improved quality of business

More automation: lower exposure to underlying industry cycles, secular tailwind

More recurring revenue: digital, services – leveraging large installed base

More high value-add solutions: attractive economics, less "copper and iron"

More stability: more base orders, less EPC¹

ABB's leadership in industrial automation

Next Level transformation – #2 in industrial automation today

Well positioned

Strong history of pioneering technology – well positioned for the future

Large installed base, strong domain and process expertise

Unique industrial automation portfolio

Competitive Targeted solutions-oriented business model **differentiation**

Leading innovation

Attractive economics, good growth prospects

