

ABB LTD, FEBRUARY 28, 2019

Robotics & Discrete Automation

Writing the future of flexible manufacturing and smart machines. Together.

Sami Atiya, President Robotics & Discrete Automation



Important notices

This presentation 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," "outlook", "on track", "2019 framework" 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 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.

Some of the planned changes might be subject to any relevant I&C processes with the Employee Council Europe and / or local employee representatives / employees.

This presentation contains non-GAAP measures of performance. Definitions of these measures and reconciliations between these measures and their US GAAP counterparts can be found in the 'Supplemental reconciliations and definitions' section of "Financial Information" under "Quarterly results and annual reports" on our website at www.abb.com/investorrelations



Robotics & Discrete Automation at a glance

Key figures

Global #2

#1 in growth #2 in robotics, #1 in China

Top 5 in PLC

\$80 bn

Market size

\$3.6 bn

2018 revenues

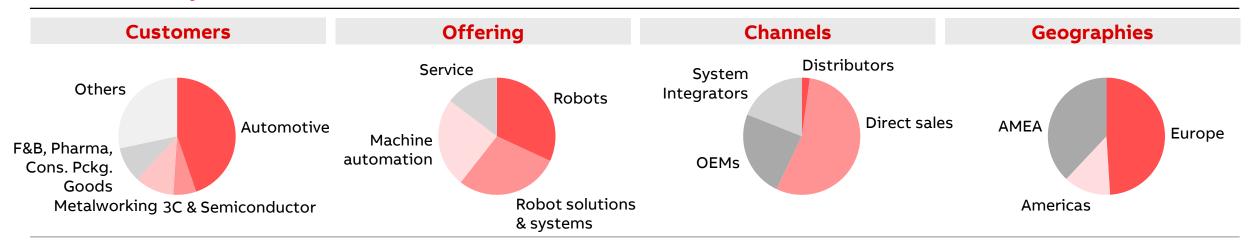
14.6%

2018 Op. EBITA

~11 k

Employees worldwide

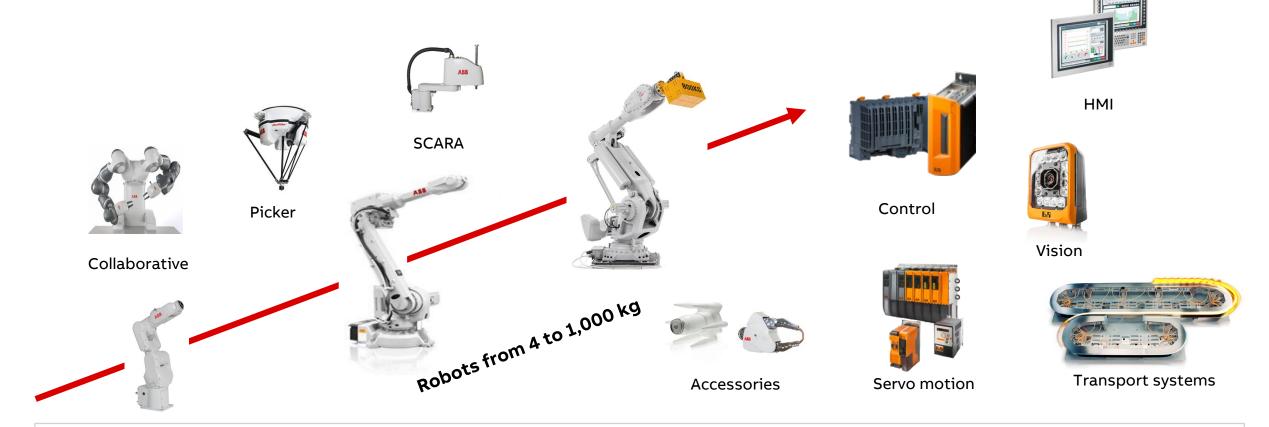
Business mix (by revenue)





A unique product portfolio...

Robotics and machine and factory automation



Unique scope across robotics and machine automation



...as a base for value creating solutions

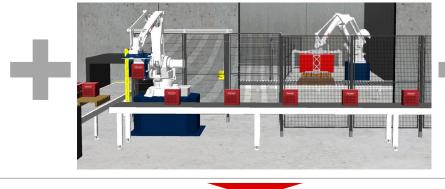
Unique product portfolio







Advanced engineering and simulation tools



Domain expertise



Automation solutions for flexible manufacturing and smart machines

Automotive



Electronics



Consumer goods



Food & beverage



Metal fabrication



Plastics



Logistics





...as a base for value creating solutions

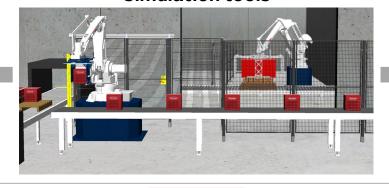
Unique product portfolio







Advanced engineering and simulation tools



Domain expertise



Concrete customer value



O.5 seconds to fill a beer bottle



Highest flexibility

Batch size 1



Maximum uptime 25% fewer incidents



Improved output quality 100% parts inspection



Fast time to market 16 weeks for a complete assembly line



2018 results

Profitable Growth

10% order and 6.2% revenue growth¹

~1,700 application and system engineers

Acquired AB Rotech, intrion



Op. EBITA margin of 14.6%

Op. excellence initiatives to support margin

B&R integration ahead of plan

¹On comparable base



February 28, 2019

Working on >100 concrete joint customer opportunities²

Started investment in new R&D campus in Austria

Building state-of-the-art robot factory in China

Continued to attract people to support growth



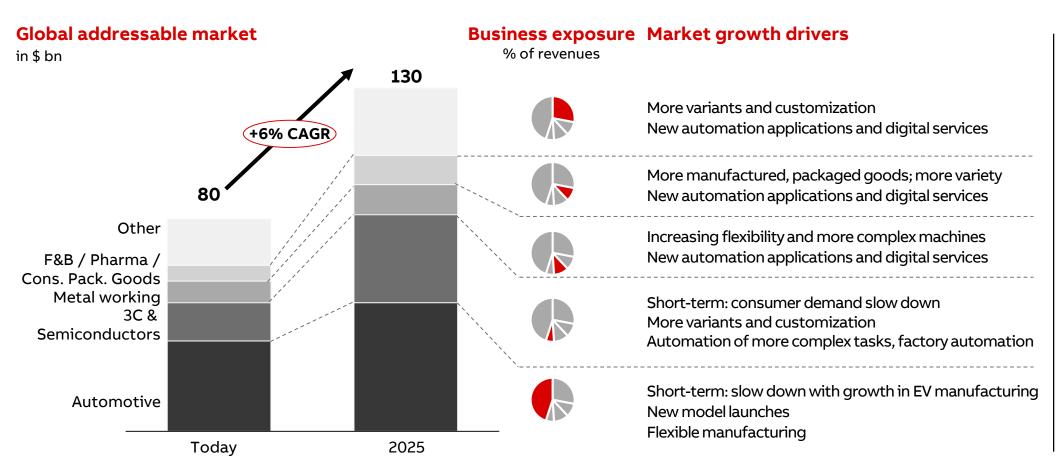






Operating as a market maker in attractive markets

Creation of new automation applications ensures mid-term growth vs. short-term slow down



High-growth segments (examples)

New machine and manufacturing concepts¹ >10%

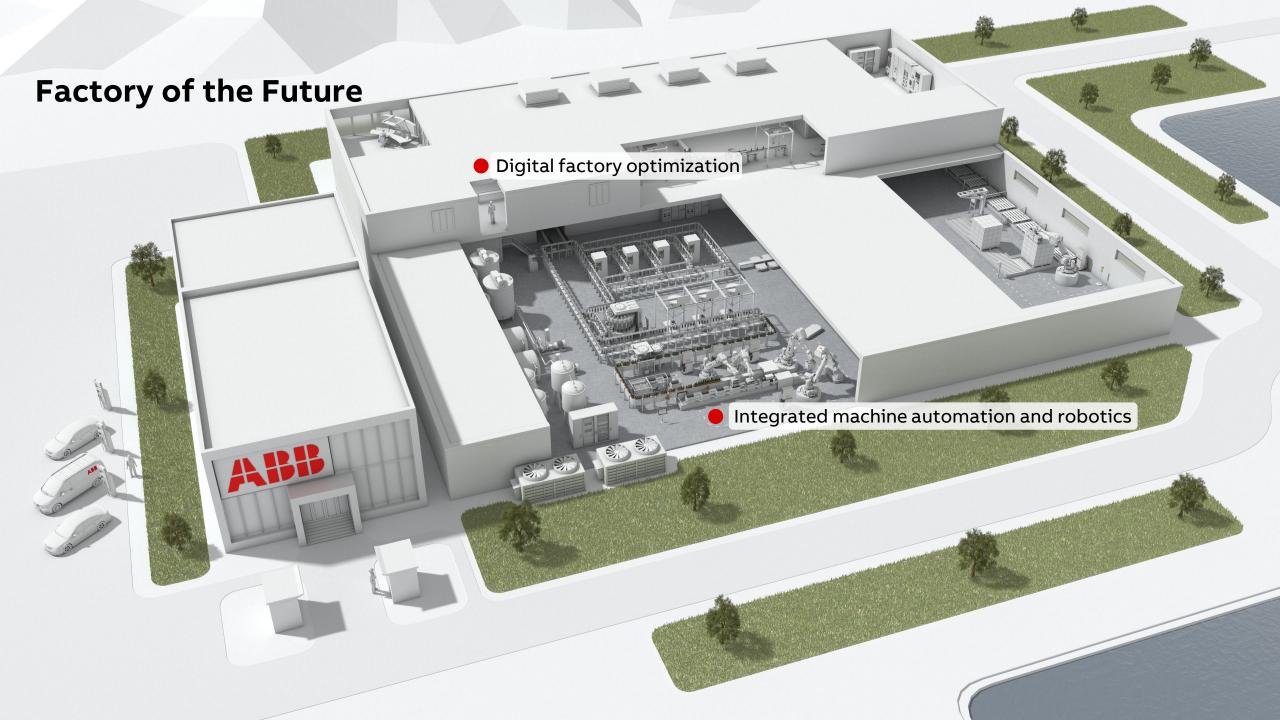
Electronics >10%

EV: cars and batteries ~10%

Logistics ~10%

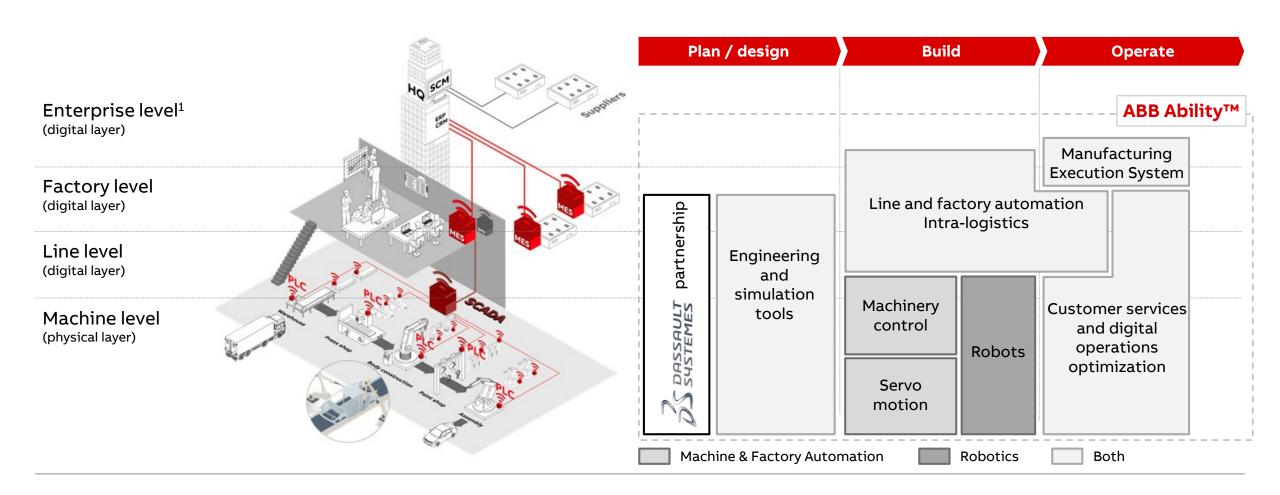


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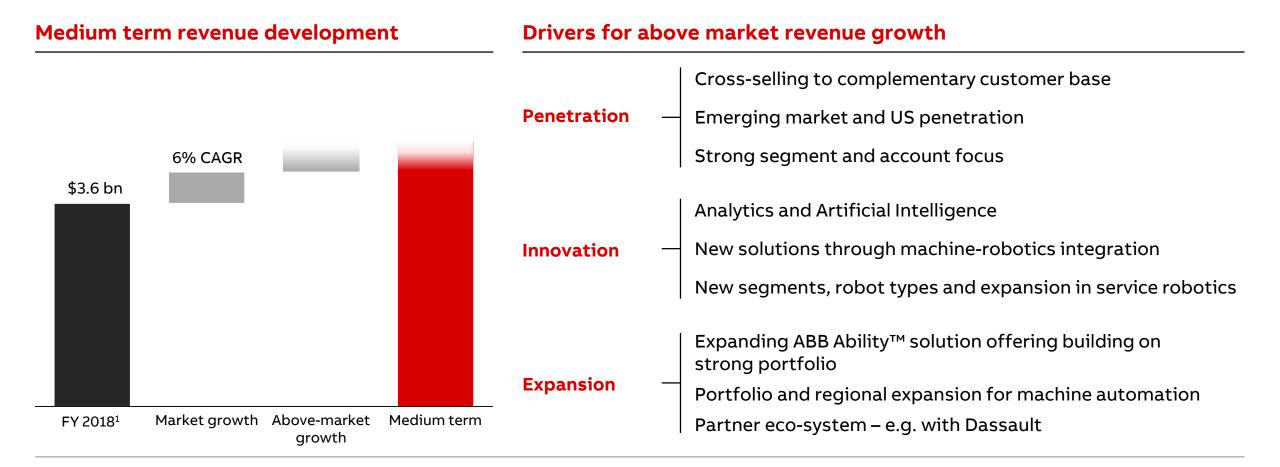
Unique, comprehensive offering for our market

Strong base to further build on



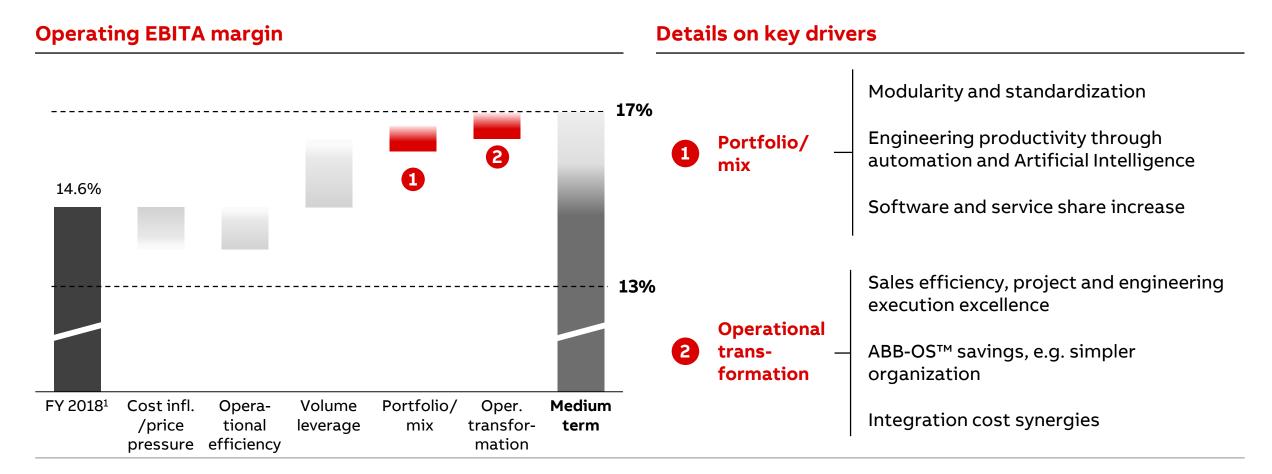


Driving above-market growth medium term...





...at attractive op. EBITA margin





Creating value for customers and ABB

Writing the future of flexible manufacturing and smart machines

High-growth market: ~2x GDP Unique combination of robotics and machine automation **Attractive** Proven track record of double digit growth growth Innovative offering expansion, esp. ABB Ability™ Top-line growth drives increasing profits Modularity, standardization and software tools / AI accelerate scale Stronger Operational performance initiatives and lean ABB-OS™ margins Completion of successful realization integration cost synergies Investing in the future: ABB Ability™ and new technologies **Optimizing** Partnerships – e.g. with Dassault – for accelerated offering expansion and shared investments capital Assessing strategic acquisitions to expand offering

Medium-term operational EBITA margin

13 - 17%



Let's write the future of flexible manufacturing and smart machines. Together.



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