ABB enables a more sustainable and resource-efficient future with our technology leadership in electrification and automation.
All data throughout the factsheet is presented based on management estimates for FY 2021 revenues. Due to rounding, numbers presented may not add to 100. Renewables: renewable power sources, such as wind, solar, biomass. Conv. Generation: conventional power sources, such as fossil fuels, nuclear, hydro generation. O&G: Oil and gas. F&B: Food and beverages. T&I: Transport and Infrastructure. AMEA: Asia, Middle East and Africa. 1. Management estimates.
ABB Group
Business areas

1. Business area split excl. Corporate and Other
2. A definition of this measure and a reconciliation between this measure and its US GAAP counterpart can be found in the “Supplemental Reconciliations and Definitions” section of the “Financial Information” booklet found under “Q4 2021” on our website at https://global.abb/group/en/investors/results-and-reports/2021
Electrification

Leading portfolio of products, services and ABB Ability™ digital solutions enabling safe, smart and sustainable electrification

- Electricity demand grows 2x faster than other energy sources
- Digitalization accelerates demand for intelligent solutions
- Urbanization and population growth

$13.2 bn
Revenues

16.1%
Op. EBITA Margin

51 k
Employees

1. Management estimates
**Distribution Solutions**

$3,750 – 4,250 mn

Revenues

Global #1 in Medium Voltage

Medium voltage electrical components and digital devices, medium and low voltage switchgear, energy systems and digital systems

~20% through distributors; ~75% engineered-to-order products; majority of utility exposure in EL business area

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**Smart Power**

$3,250 – 3,750 mn

Revenues

Global #3

#2 in Low Voltage

Low voltage breakers & switches, enclosures, motor starter application, power protection

~60% through distributors; ~75% manufactured-to-order products; ~75% buildings, industry and data centers

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**Smart Buildings**

$2,750 – 3,250 mn

Revenues

Global #3

#1-2 in Distribution Enclosures and DIN-Rail Products

Miniature breakers, distribution enclosures, wiring accessories, building automation

~75% through distributors; mostly manufactured-to-order products; ~75% buildings and construction
Installation Products

$1,750 – 2,250 mn
Revenues

Global #1
#1 in North America

Wire & cable management, termination, fittings and other accessories
~75% through distributors; mainly manufactured-to-order products; >75% in Americas

Power Conversion

$250 – 750 mn
Revenues

#4 in DC Power Solutions

Power conversion products including embedded power products, DC power solutions and services
~75% direct to service providers and OEMs; >75% to telecoms and data centers; >75% in Americas

E-mobility

$325 mn
Revenues

Global #1 in EV charging solutions

AC & DC charging hardware, B2C & B2B digital services, advanced energy & fleet management
Orders: ~34% charge point operators, ~26% OEM, ~17% public transport, ~16% destination & home, ~8% fleet

Key Peers

EATON  HUBBELL  Atkore International

VERTIV  DELTA  EnerSys

Schneider Electric  TRITIUM  SIEMENS  EVBOX  DELTA
**Service**

$750 – 1,250 mn

Revenues

Global #3

#2 in Digital Services

Service of circuit breakers, protection relays and switchgear, energy systems and digital systems and advanced digital services for predictive maintenance

~50% direct end user; ~25% EPC; 25% facility management

Key Peers

- Schneider Electric: Facility management
- Siemens EPC
Motion

Most comprehensive portfolio of drives, electric motors, generators, and motion control with ABB Ability™ digital powertrain solutions

• Market growth is driven by mega-trends such as growing population, urbanization, decarbonization and digitalization

• This requires further automation of industrial processes, energy efficiency and electric mobility

$6.9 bn
Revenues

17.1%
Op. EBITA Margin

20 k
Employees
<table>
<thead>
<tr>
<th>Category</th>
<th>Revenues</th>
<th>Note</th>
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<tbody>
<tr>
<td><strong>Drive Products</strong></td>
<td>$1,250 – 1,750 mn</td>
<td>Revenues</td>
</tr>
<tr>
<td><strong>System Drives</strong></td>
<td>$750 – 1,250 mn</td>
<td>Revenues</td>
</tr>
<tr>
<td><strong>Service</strong></td>
<td>$750 – 1,250 mn</td>
<td>Revenues</td>
</tr>
</tbody>
</table>

**Drive Products**
Comprehensive product portfolio of low voltage AC drives
Majority through channel partners; HVAC largest segment; all major industries and applications served; globally balanced, strength in China

**System Drives**
Low and medium voltage AC drives and modules, wind converters
HPD¹ and powertrain packages for process industry and high-power infrastructure applications, power conversion technology to renewable energy equipment OEMs
1. High power drives

**Service**
Base services and spare parts, upgrades & replacements, smart solutions
Service activities varying depending on the product and application; significant regional differences in channels to market

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1. HPD: High Performance Drives
**Traction**

<$1,000 mn
Revenues
Global #2

Traction systems incl. converters and motors, battery energy storage systems, auxiliary converters

Customers are mainly rail OEMs, also bus OEMs and rail operators

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**IEC LV Motors**

$750 – 1,250 mn
Revenues
Global #2

Comprehensive portfolio of low voltage motors for any industry and application, compliant with all major markets globally

Standard and customized motors available direct to OEMs, channel partners/distributors in EU and globally

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**Large Motors and Generators**

$250 – 750 mn
Revenues
Global #2

Comprehensive product portfolio of large AC motors and generators

Serving all major industries and applications, mainly through OEMs, both on local and global basis
NEMA Motors

$750 – 1,250 mn
Revenues

Global #1

Comprehensive product portfolio of low voltage electric motors
Majority direct to OEMs; all major industries and applications served; ~ 90% in NAM¹

¹ North America
Leading supplier of integrated automation, electrical and digital solutions for process and hybrid industries

- Market growth is driven by need for productivity and reliability as well as improved resource efficiency
- Increasing demand for decarbonized operations and safer workplaces

$6.3 bn
Revenues

12.8%
Op. EBITA Margin

22 k
Employees
Energy Industries

$1,750 – 2,250 mn
Revenues

#1-2 in Distributed Control Systems
#1 in Power Generation
#3-5 in Oil, Gas, Chemicals

Integrated automation & electrical systems, safety, service and digital solutions
~55% service; key end-markets oil and gas, refining, chemicals, power generation & water

Process Industries

$1,250 – 1,750 mn
Revenues

#1 in Distributed Control Systems
#1-2 in Mining, Pulp & Paper

Automation, electrical & motion systems; quality control, mine hoists, gearless mill drives, high power rectifiers, electromagnetic stirrers
~50% service; key end-markets mining, metals, pulp & paper, battery manufacturing

Marine & Ports

$750 – 1,250 mn
Revenues

Global #1

Azipod propulsion, ship and port electrification and automation, digital
~40% services to ship owners and terminal operators

Key Peers

Energy Industries: Schneider Electric, Siemens, Emerson, Yokogawa

Process Industries: Schneider Electric, Siemens, FLSmidth, Rockwell Automation, SMS Group

Marine & Ports: Siemens, TMEIC, Yaskawa, Wärtsilä, GE, Kongsberg
**Accelleron**
(former Turbocharging)

~$750 mn Revenues

#1 across its segments

Low, medium and high speed turbochargers, service, digital solutions

~75% service; ~50% marine, remainder in O&G, conv. generation, traction

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**Measurement & Analytics**

$750 – 1,250 mn Revenues

#1-2 in Analytics, Force Measurement
#2-5 in Instrumentation

Gas and liquid analyzers, field instrumentation, force measurement, digital, service

~30% service, mostly products to diverse process industry customer base
Robotics & Discrete Automation

Broadest portfolio of robotics and discrete automation, providing flexible automation solutions from individual machines to whole plants

- Market growth driven by mega-trends of individualized consumers, labor shortage, digitalization and uncertainty
- Resulting in need for automation solutions for increased productivity, highest flexibility, improved quality and maximum simplicity

$3.3 bn
Revenues

10.8%
Op. EBITA Margin

11 k
Employees
**Robotics**

$2,250 – 2,750 mn

Revenues

Global #2

Robots, robotics application cells and smart systems, field services, spare parts, digital services and software

~65% direct sales; ~70% non-auto OEM, early entry into logistics, healthcare; majority in Europe and AMEA

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**Machine Automation**

$750 – 1,250 mn

Revenues

Global #5

#2 in high-end segment

Solutions based on PLCs¹, IPCs², servo motion, industrial transport systems and vision, software

Mainly sales to machinery OEMs; end-markets e.g., packaging, metals, plastics and printing; ~70% in Europe

1. Programmable Logic Controllers. 2. Industrial PCs.

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**Key Peers**

FANUC  KUKA  YASKAWA  SIEMENS  BECKHOFF  MITSUBISHI ELECTRIC
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