



Corporate Profile

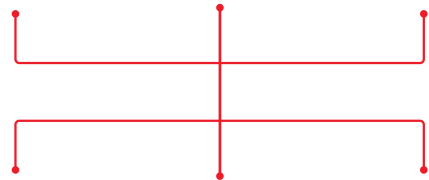
ABB Vietnam

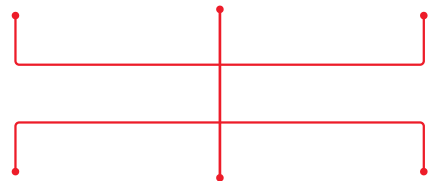
Let's write the digital future. Together.



ABB

A pioneering
technology leader

**Pioneering
technology****Products****Systems****Services &
Software**

Our customers**Utilities****Industry****Transport &
Infrastructure**

**Global
coverage****Asia, Middle
East and Africa****Americas****Europe**

Revenue
~ 28 bn USD

Countries
~ 100

Employees
~ 110,000





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ABB at a glance

Committed to unlocking value

ABB is a leading global engineering company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB's success is driven by 110,000 talented employees in over 100 countries.

ABB was established in Vietnam in 1993 and now boasts five facilities nationwide to serve local and regional markets. In the 27 years since, it has grown to be a reliable partner in the field of technology, providing turnkey solutions and services in the market. ABB has taken part in a string of important projects underpinning the country's power sector development as well as powered and automated numerous important industrial plants promoting economic development across Vietnam.

ABB has two robotics centers in Vietnam to enable faster response nationwide and support its customers to meet manufacturing goals. ABB in Vietnam also manufactures switchgears, Compact Secondary Substations and customized solutions for special applications serving domestic usage and customers in Asia-Pacific.

The journey for building a brighter future for Vietnam is ongoing. With its technology leadership and experience, ABB is committed to enabling the integration process and seizing opportunities to help build up a digital future for Vietnamese industries. ABB will accelerate delivery of solutions to support the smart, sustainable development of industries, smart cities, and electric vehicles in the country.





Building ABB's long-term commitment to Vietnam Technologies to drive growth

Shaping the future: ABB is well-placed to contribute to several long term trends, and even to shape them through technological innovation. The major trends driving demand include the increasing use of electricity in areas such as data centers and electric vehicles; the rapid economic growth and urbanization in emerging markets; the need to use our natural resources more efficiently; and clean energy.

Whether its digitalization, innovation, advanced manufacturing or urban infrastructure, ABB's technologies complement Vietnam's future roadmap perfectly. With our wide business scope and established market presence in the last 27 years, we are well-positioned to contribute and walk hand-in-hand with the economy to its next phase of growth.





Where you can find ABB



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01 A smart and sustainable headquarters for Viettel Group:
ABB's leading building automation solutions help Viettel headquarters to become a symbol of the innovation in the digital era and help Viettel achieve the objective of a green and sustainable asset. Supplied technologies ensure operational reliability and energy efficiency as well as offer safety and optional comfort for people working in the building.

02 Putting Vietnam on the world's automotive map:
ABB has supplied more than 1,000 robots to help VinFast produce world-class electric motorcycles and cars at its facility in Hai Phong. ABB's extensive global experience and strong local support enable customers to successfully adopt advanced manufacturing solutions in Vietnam.

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03 Ensuring sustainable and efficient operation for industrial manufacturing in Vietnam:

ABB's digital ready analyzers have been chosen to provide Continuous Emissions Monitoring System in power, cement and other industrial plants in Vietnam. Continuous Emissions Monitoring System helps customers maximize profit while operating in a sustainable way.

04 Making the most of every drop:

ABB digital control and monitoring technologies strengthen Ho Chi Minh City's aging water distribution system, increasing the amount of clean water delivered to the city.

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05 Digitalizing the cement production process in Vietnam:
ABB Ability™, ABB's cross-industry digital offering, will help to provide integration of all plant systems of Tan Thang Cement for efficient, safe operation and a reliable electrical supply for all processes.

06 Providing reliable and efficient energy for LNG plant in Vietnam:
ABB Power Management System has been chosen to optimize the control and monitoring of the electrical network in a key LNG Terminal in Vietnam. ABB's leading digital technology will ensure personal and operational safety at all times, avoid blackouts, enable power sharing and fast load shedding and help control electricity costs.

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Our offerings

ABB's power and automation portfolio is organized into 4 businesses:

- Electrification
- Robotics and Discrete Automation
- Motion
- Industry Automation

The full range of products, systems and solutions are available in Vietnam, including supporting life cycle services, spare parts, repair and reconditioning, retrofit, upgrade, and technical support.



Electrification

01 Thao Dien Masteri: Main switchboard

Writing the future of safe, smart and sustainable electrification

ABB's Electrification business has always been at the forefront of innovative electrification and today is writing the future of safe, smart and sustainable electrification. The strategic role of electrification is growing, with urbanization and the world forging ahead to create a lower-carbon future, which ABB is supporting with digitally connected, ABB Ability™-enabled solutions and services. The future of mobility is also electric, and ABB is there, building the charging infrastructure to allow the world to move from fossil fuels to electricity-driven mobility.

ABB's Electrification business offers a wide-ranging portfolio of products, digital solutions and services, from substation to socket, enabling safe, smart and sustainable electrification which are widely used to help deliver major power saving in Vietnam infrastructure like buildings, constructions, transportation, industries and telecommunications. Offerings encompass digital and connected innovations for low- and medium-voltage, including EV infrastructure, solar inverters, modular substations, distribution automation, power protection, wiring accessories, switchgear, enclosures, cabling, sensing and control.

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02 ABB's Medical Switchboard H+ Line ensures reliable power supply for the Operation Theater and ICU of Becamex Binh Duong International Hospital

Installation products

The Installation Products business line is a strong combination of the history and success of Thomas & Betts along with the extensive resources, experience and global reach of ABB. Installation Products strives to be a global, world-class supplier of installation products for industrial, construction and utility customers. We will maintain and strengthen our successful “one order-one shipment-one invoice” model, while adapting and extending our business approach to grow in global markets with new methods. Installation Products will operate with a

“Customer first” attitude and continually work with a relentless focus on world-class safety, quality and service. By unifying and aligning processes, we will strive for ease of doing business and simplicity to provide customers with a superior experience. To accelerate change, we will be an empowered and engaged team that takes ownership of our performance while always operating with ABB value pairs to guide our actions. Most importantly we will be intentional and use a collaborative approach to make the ABB Group successful.

02



03 Skid - one of the package solutions for solar projects of ABB

Distribution solutions

We are able to address key customer needs across end user segments offering comprehensive solutions including switchgear, modular systems, packaging as well as service from medium voltage to low voltage.

In Vietnam, we have the capability to develop, produce and deliver a full range of medium voltage products (12 - 40kV) used in utilities, manufacturing and processing industries, infrastructure, residential and commercial buildings. Located in Bac Ninh province, ABB distribution solution factory manufactures primary switchgear, compact stations and customized including digital solutions for special applications to meet the most demanding industrial and international standards.

The factory has been certified to ISO 9001 in 2010, OHSAS 18001 and ISO14001 in 2011. We were awarded the Vietnam National Environment Award in 2013.

Supported by a strong local engineering team, we provide customers from Asia and Pacific countries with the benefits of a complete manufacturing facility: design, engineering, project management, manufacturing and service support.

World-wide, standardized, common line product engineering ensures best in class delivery of low voltage power distribution and motor control systems. The low voltage systems business unit offers low voltage switchgear, low voltage switchboard and low voltage network quality products and services. Our engineering expertise will help you to cost effectively design or retrofit systems tailored to your demands. We pay particular attention to quality, reliability and personnel safety. ABB is your global partner acting locally in Vietnam.



03

04 Times Square: Main switchboard

Smart power

The Smart Power business line typically includes the products of circuit breakers, motor controllers, typed test distribution boards and power conditioning devices. These products and solutions have been designed to increase efficiency in all electrical installations: from industrial, residential and naval applications to traditional and renewable power generation installations, buildings, data centers and commercial centers.

High quality, accuracy and reliability are key features for protection and connection products of Smart Power. High performances in any conditions, safe-to-use products and easy replacements of components are always guaranteed.

Smart Power products are strongly integrated with the digital solutions that bring new functional advances of communication enabling these products to connect easily into the smart grids.

04



05 ABB has supplied DC fast chargers across 80 countries

Electric vehicle charging infrastructure

ABB lays the foundations for a future of smarter, reliable, and emission-free mobility, accessible by everyone, everywhere. ABB offers a total charging solution from compact, high quality AC wallboxes and reliable DC fast charging stations with robust connectivity, to innovative on-demand electric bus charging systems. We deploy infrastructure that meets the needs of the next generation of smarter mobility.

ABB Ability™ connected chargers enable fast

global service and pro-active maintenance. ABB has years of experience in creating, installing and maintaining charging infrastructure, including several nationwide charger networks. ABB has intensive expertise developing, installing and maintaining charging infrastructure including national networks in several countries. ABB received the Global E-mobility Leader 2019 award for its leadership role in supporting international adoption of sustainable transport solutions.



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06 ABB provided smart lighting system for National Assembly building - the largest public building in Vietnam

Smart buildings

The Smart Buildings business line has two main product groups. Building and Home Automation helps to provide comfort, efficiency and safety to all kinds of buildings where people live, work and play; while Energy Distribution Solutions supply a complete assortment of first-class quality products and smart accessories for low voltage electrical installations.

We are present in more than 100 countries, with 36 manufacturing sites and delivering more than

1.5 million products per day. For 120 years we have been protecting people and equipment while managing efficiency, productivity and innovative solutions for future homes and buildings.

Smart Buildings could be the single source for holistic solutions for various customers from many segments such as single houses, luxury homes, residential buildings, office and public buildings, hospitals, stadiums, hotels and commercial buildings.



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Robotics and Discrete Automation



01 Palletizing robot IRB460 working at VinaSoy Factory

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

Robotics and Discrete Automation is writing the future of flexible factory and smart machines by providing value-added solutions in robotics, machine and factory automation. Our integrated automation solutions and application expertise across a wide scope of industries as well as our global presence deliver tangible customer value.

Our Robotics & Discrete Automation business combines our machine and factory automation solutions, mainly from B&R, which we acquired in 2017, with a comprehensive robotics solutions and applications suite. The business is #2 globally, with a #1 position in robotics in the important,

high-growth Chinese market, where we are expanding our innovation and production capacity by investing in a new robotics factory in Shanghai.

ABB offers world-class manufacturing automation and robotics solutions for the automotive, metal fabrication, machine tools, foundry, and consumer and plastics industries. ABB robots, from small to large, are the product of innovative process engineering and world leading robotics experience and expertise. As Vietnam's only direct robot supplier, ABB has the best robotics combination on offer in the country: reliable products, complete turnkey solutions, and a dedicated service team.



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Robotics

ABB is a leading supplier of industrial robots and robot software, equipment and complete application solutions. We're at home in 53 countries and

have installed more than 400,000 robots, supported by the broadest service network and offering in the industry.

02 ABB YuMi®
collaborative robot

ABB Ability™ Connected Services

Being delivered via ABB's MyRobot - a single, intuitive interface, the ABB Ability™ Connected Services make actionable data available anywhere and at any time to enhance robot uptime and optimize the performance of robotic systems.

With ABB Ability™ Connected Services, customers can overcome up to 25 percent fewer incidents and achieve as much as 60 percent faster response time and issue recovery.



02

03 Machine and factory
automation (MF)

Machine and factory automation

Machine and Factory Automation business line, otherwise known to our customers as B&R is an innovative automation company with headquarters in Austria and offices around the world.

On July 6, 2017, B&R was acquired by ABB. As a global leader in industrial automation, Machine and Factory Automation combines state-of-the-art technology with advanced engineering to provide customers in virtually every industry with complete solutions for machine and factory automation, motion control, HMI and integrated safety technology.

With Industrial IoT communication standards like OPC UA, POWERLINK and openSAFETY as well as the powerful Automation Studio software development environment, Machine and Factory Automation is constantly redefining the future of automation engineering.

The innovative spirit that keeps MF at the forefront of industrial automation is driven by a commitment to simplifying processes and exceeding customer expectations.



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Motion

ABB's Motion business is the largest supplier of drives and motors, globally. We provide customers with the complete range of electrical motors, generators, drives and services, as well as mechanical power transmission products and integrated

digital powertrain solutions. We serve a wide range of applications in transportation, infrastructure and the discrete and process industries.



- 01 ABB Drives family
- 02 ABB Drive services

Drives

Empower your business with efficiency, performance and competitiveness.

Our drives are made with all this in mind, empowering productivity and efficiency. They provide flexibility to help you optimize your processes and control, and reliable for less downtime. You also get premium service and expertise, anywhere on the globe.

ABB is globally the number one supplier of drives, with the widest product range available, delivering solutions that closely fit customers' business needs. ABB manufactures the most technologically

advanced range of standard and industrial drives on the market, used in industrial, commercial and residential applications and across a wide range of industry sectors.

With new technology and product enhancements, ABB continues to offer customers the most comprehensive drives and drive service portfolio. This focus on products, tools and services brings not only reducing energy costs to its owners but also improving process control, increasing production capacity, reducing maintenance costs and less reactive power.



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02



03 ABB Generators

04 The ABB Ability™ Smart Sensor

Motors and generators

ABB has what it takes to help every industry and application reach new levels of efficiency and energy savings even under the most demanding conditions. Combining the best available materials

with superior technology, the electric motors and generators are designed to operate reliably no matter how challenging the process or application, and to have low life cycle costs.



03

ABB Ability™ Smart Sensor

The ABB Ability™ Smart Sensor converts traditional motors, pumps and mounted bearings into smart, wirelessly connected, energy efficient devices. It measures key parameters from the surface of the equipment, which can be used to gain meaningful information on the condition and performance of the equipment, enabling users to

identify inefficiencies within their system and to reduce risks related to operation and maintenance. ABB Ability™ Smart Sensor is expected to save up to 60 percent in maintenance costs, reduce unplanned downtime by 70 percent and extend motor lifetime up to 30 percent.

04



ABB Ability™ Digital Powertrain

The ABB Ability™ Digital Powertrain integrates sensor and drive data with cloud-based analytics along a whole chain of industrial equipment used in factory environments – from drives and motors, to pumps and bearings. An essential element of the ABB Ability™ Digital Powertrain is its monitoring services, allowing each powertrain to send measurement data to the cloud, which is then

visible to the operator on a simple dashboard. It combines connectivity and data analytics with ABB's expertise to make the operations efficient, predictable and safe. With ABB Ability™ Digital Powertrain, customers will gain benefits from improved performance with up to 20 percent fewer incidents and 60 percent faster response time and issue recovery.

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Industrial Automation

01 ABB Ability™
Collaborative Operation
Center in Italy

Writing the future of safe and smart operations

Our Industrial Automation business offers a range of solutions for process and hybrid industries, including our industry-specific integrated automation, electrification and digital solutions, control technologies, software and advanced services, as well as measurement & analytics, marine and turbocharging offerings. Industrial Automation is #2 in the market globally.

Based on its deep domain knowledge, experience and expertise in delivering world-class automation products, systems and solutions, a wide area of complimenting digital and collaborative solutions across applications and sectors, the Industrial Automation business helps customers remain competitive, improving their ROI and running safe and productive operations

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02 ABB Measurement and Analytics Instruments

03 ABB's experts in measurement and automation technologies

Measurement & analytics

ABB Measurement & Analytics business line offers 4,000+ experts in measurement and automation technologies dedicated to serving our customers with the best digitally enabled solutions to fit their needs, quickly, reliably and with a global service network to support them. The business line develops, produces, sells, delivers and services products and solutions to enable industrial and energy customers to operate more efficiently and profitably.

We deliver digitally enabled measurement and

analytics products and solutions; our goal is to make selection and ownership easy - so you can focus on your business.

Key product groups are:

- Analytical Instruments (gas and liquid)
- Field Devices (level, pressure, temperature, valve positioners, actuator, ...)
- Flow measurement
- Force measurement
- Instrumentation Service and Process Analytics



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04 ABB's critical power infrastructure enhances the availability, reliability and quality of power supply to Heineken's facilities in Vietnam.

05 ABB supplied complete electrification and automation solution for Dohaco - a leading packaging producer in Vietnam

Process industries

ABB Process Industries business line offers a complete portfolio of automation solutions to bring increased quality, accuracy and precision to industrial processes ranging from the simplest to the most complex. We are able to tailor our

solutions to the specific needs and requirements of your industry. Our engineers maintain the highest levels of expertise on the automation and electrical equipment and processes used in your industry.



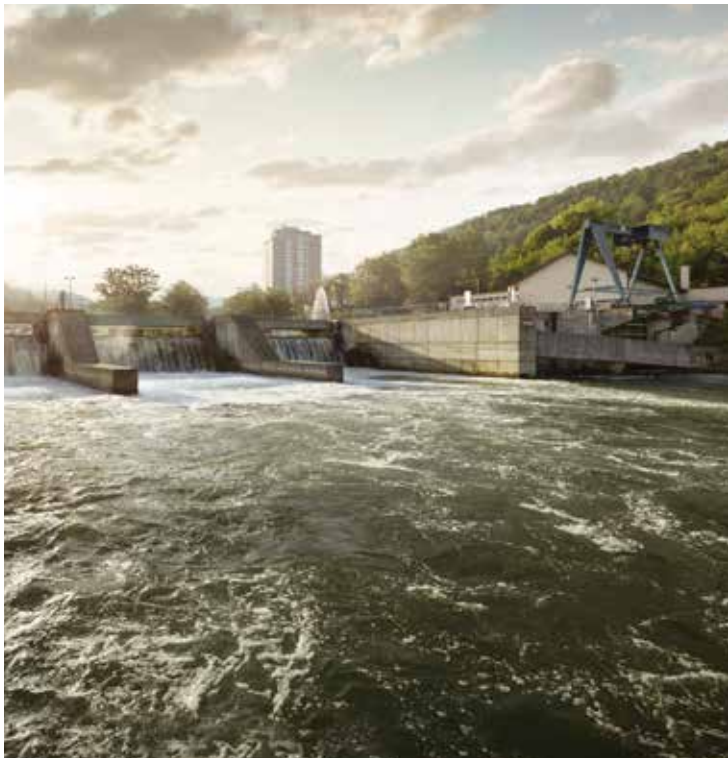
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Energy industries

The Energy Industries business line drives growth for customers across the energy industry, supporting safe, efficient and profitable operations with strong global execution capacity, an extensive service footprint and capabilities, and innovative digital leadership.

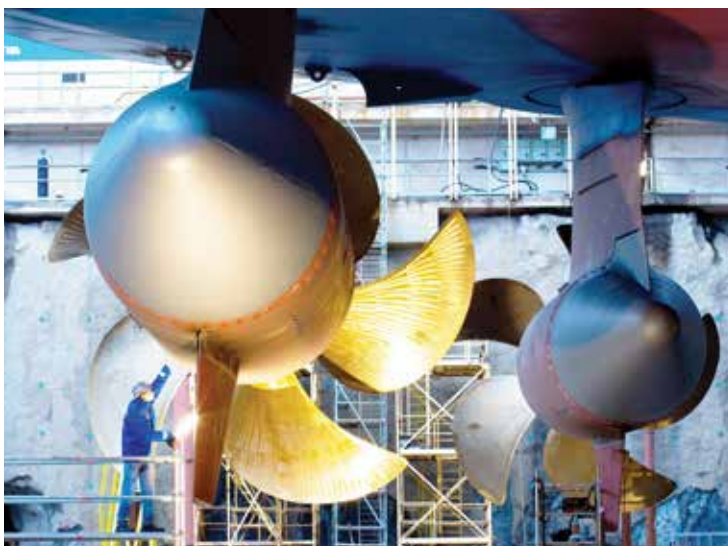


Power Generation and Water

The ABB Power Generation and Water business line is a world-leading manufacturer in supplying control and automation solutions including distributed control systems, turbine control and excitation systems for hydro power plants, thermal power plants, combined cycle plants, and water and wastewater systems.

The ABB Power Generation and Water line entered Vietnam through its strong installed bases of control and automation systems to cover 4000MW of hydro power generation and 7000MW of thermal power generation.

With the ABB Ability™ digital solution, ABB will support customers in building a Smart Operation Control Center, improving plant performance optimization to minimize the operation costs of energy.



Turbocharging

ABB Turbocharging business line is a technology and market leader in the manufacture and maintenance of turbochargers for 500 kW to 80+ MW diesel and gas engines.

With 100+ ABB-owned Service Stations worldwide and 200,000+ ABB turbochargers in operation across the globe on ships, power stations, gen-sets, diesel locomotives and large, off-highway vehicles, ABB Turbocharging is committed to:

- Building the best turbochargers in the business.
- Assisting customers to maintain those turbochargers in peak condition and at optimum performance throughout their entire lifecycle

Working with ABB

A world of opportunities

Be part of a company that calls itself at home in over 100 countries.

ABB is a multicultural and global business that believes as strongly in the latest thinking as it does the latest technology. ABB has a long history and a rich heritage of technology innovation.

ABB not only invented and pioneered many power and automation technologies that have shaped the world we know today, it maintains its technology leadership with breakthrough technologies.

As part of our team, you could enjoy the best of both worlds while leaving your legacy.

Join our team at www.abb.com/careers



Our business principles

Respect, Responsibility and Determination

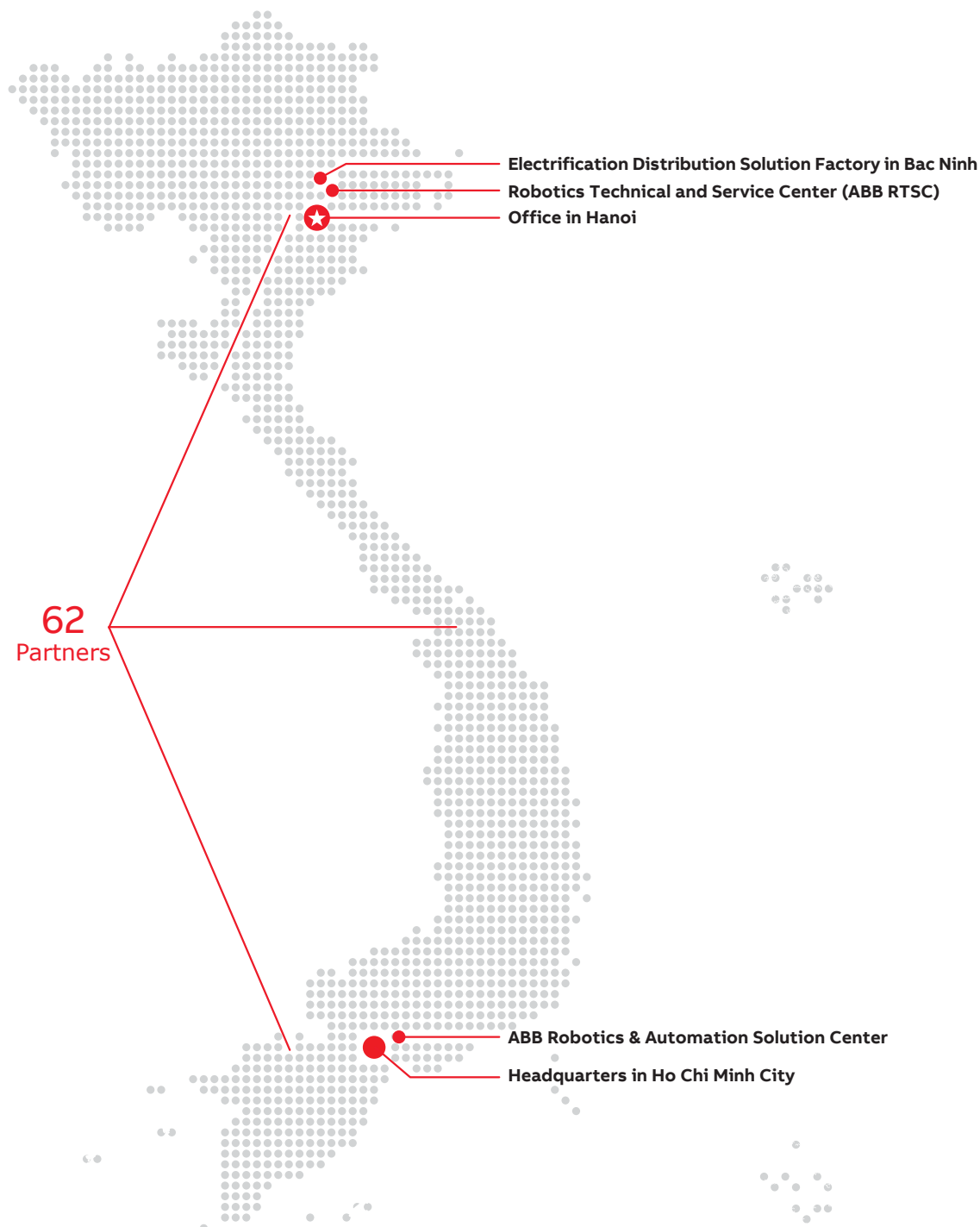
As a pioneering technology leader, ABB actively contributes to economic development, environmental stewardship and sustainable social development in the communities and countries where we do business.

Our behavior, in our teams, with customers, other business partners and in the communities where we operate, is guided by our business principles - responsibility, respect and determination.



Our operations in Vietnam

In addition to ABB's locations across the three regions of Vietnam, ABB has a strong network of 62 channel partners, distributors, technical distributors, service providers and system integrators operating across the country to ensure service coverage nationwide.



— 01 Headquarters in Ho Chi Minh City.

— 02 Hanoi office.

— 03 Electrification Distribution Solution Factory in Bac Ninh.

— 04 Bac Ninh workshop.

ABB offices and factory

All of ABB's manufacturing and service facilities implement environmental management systems according to the ISO 14001 standard.



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— 05 ABB Robotics & Automation Solution Center.

— 06 Robotics Technical and Service Center (ABB RTSC).



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Project reference

Electrification

Project Name	Location	Scope of Supply	Commissioning year
Chinwell Fastener	Dongnai	Breaker& switches, DIN-RAIL products, control products	2005
The Manor Building	HCMC	ATS, Breaker& switches, DIN-RAIL products, control products	2006
Petro Tower Building	HCMC	Breaker& switches, DIN-RAIL products, control products, EIB	2006
Pharmaceutical Factory	Binhthuan	ATS, breaker& switches, DIN-RAIL products, control products	2007
Central Garden Building	HCMC	Breaker& switches, DIN-RAIL products, control products	2007
Cai Lan Oil and Fat Factory	HCMC	Breaker& switches, DIN-RAIL products, control products	2007
Vinashin Hai Phong Building	Haiphong	Breaker& switches, DIN-RAIL products, control products	2008
BTS for Vietnamobile	Northern Provinces	DIN-RAIL products, control products	2008
PV-Gas	Baria - Vungtau	Artu switchboards, breaker& switches, DIN-RAIL products, control products	2008
Song Da Steel Factory	Haiphong	Breaker& switches, DIN-RAIL products, control products	2009
SITV Terminal Port	Baria - Vungtau	Artu switchboards, ATS, breaker& switches, DIN-RAIL products, control products	2009
VNPT Building	Hanoi	Breaker& switches, DIN-RAIL products, control products, EIB	2009
EVN Tower	Hanoi	Breaker& switches, DIN-RAIL products, control products	2009, 2010
Estella Building	HCMC	Breaker& switches, DIN-RAIL products, control products	2010
Petro Land Building	HCMC	Breaker& switches, DIN-RAIL products, control products	2010
Marriot Hotel	Hanoi	Artu switchboards, breaker& switches, DIN-RAIL products, control products	2011
Canary	Binhduong	Breaker& switches, DIN-RAIL products, control products	2011
Sai Gon Paper	Baria - Vungtau	Breaker& switches, DIN-RAIL products, control products	2011
Licogi Building	Hanoi	Artu switchboards, breaker& switches, DIN-RAIL products, control products	2012
Nui Phao Mining	Thainguyen	MNS switchgears	2012
Thao Dien Pearl	HCMC	Artu switchboards, breaker& switches, DIN-RAIL products, control products	2012
DRC Factory	Danang	Breaker& switches, DIN-RAIL products, control products	2012
Times City Project	Hanoi	Breaker& switches, DIN-RAIL products, control products	2013
Caosumina Factory	HCMC	MNS switchgears	2013
VIETCOMBANK buidling	HCMC	Breaker& switches, DIN-RAIL products, control products	2013
Brotex Factory	Tay Ninh	Breaker& switches, DIN-RAIL products, control products	2013
Oncology Ho Chi Minh city Hospital	HCM	UPS system, Breaker& switches, DIN-RAIL products, control products	2017
Viettel Building	Ha Noi	Breaker& switches, DIN-RAIL products, control products, LV switchgear	2017
Landmark 81	HCM	Breaker& switches, DIN-RAIL products, control products	2017
VNPT Nam Thang Long	Hanoi	Breaker& switches, DIN-RAIL products, control products, LV switchgear	2017
VNPT Tan Thuan	HCM	Breaker& switches, DIN-RAIL products, control products, LV switchgear	2017
VietDuc University Hospital	Hanam	Breaker& switches, DIN-RAIL products, control products, LV switchgear	2018
Bach Mai Hospital	Hanam	Breaker& switches, DIN-RAIL products, control products, LV switchgear	2018
Semi Conductor factory	Hanam	Power quality solution- PCS100	2018
Sala Residence	HCM	KNX, Door entry system	2018
Cocobay resort	Danang	MV- LV switchgear	2018
Casumina Factory	Binhduong	LV switchgear- MNS switchboard	2018
Hoa Phat Dung Quat Steel Joint Stock Company	Dungquat	Medium Voltage Switchgear	2018
Accore Sapa Hotel	Sapa	Breaker& switches, DIN-RAIL products, control products	2018
Hanoi French Hospital	Hanoi	Breaker& switches, DIN-RAIL products, control products, LV switchgear	2019
Soleid Anh Duong	Danang	Breaker& switches, DIN-RAIL products, control products	2019
Vinhomes Metropolis	Hanoi	Breaker& switches, DIN-RAIL products, control products	2019
First Solar Factory	HCM	Power quality solution- PCS100	2019
Techcombank Building	Hanoi	KNX system	2019
BIM Regent Villas and Resort	Phuquoc	Busway system	2019
Vincity	Hanoi	MV switchgear, Breaker& switches, DIN-RAIL products, control products	2019
Kingdoom 101	HCMC	Door Entry system	2019

Robotics

Project Name	Location	Scope of Supply	Commissioning year
Automobile Factory	Dong Anh, Hanoi	19 robots in pressline, cutting, painting	2009, 2010
Generator Factory	Binhduong	Robot in welding generator parts	2010
Printer Factory	Thang Long IP - Hanoi	2 robots for stamping machine tending	2011
Motor bike part Manufacturer	HCMC	3 robot system for welding motorbike parts	2011
Paint Manufacturer	Binhduong	Palletizing robot system for paint pail	2011
Beam Fabrication Workshop	Vungtau	Beam profile cutting robotic system (by plasma and oxy-fuel) for offshore construction	2011
C2 Softdrink Plant	Binhduong	Palletizing robots for C2 carton boxes	2011
Baconco Fertilizer	Baria - Vungtau	2 robots for fertilizer bags palletizing	2012
Huda Beer	Hue	2 robots for palletizing crates of glass beer bottles	2012
Agricultural Machine Manufacturer	Longan	Robot system for arc welding	2012
Electrical Cabinet Manufacturer	Binhduong	Robot + positioner for welding electrical cabinet	2012
Scaffold producing automation line	Thaibinh	Robot for welding scaffold	2013
DAP2 Plant	Laocai	Palletizing robot system for fertilizer bags	2013
Cable ladder automatic production	Tayninh	Robot for welding cable ladder	2013
Beam & Tube Cutting System	Vungtau	Beam & tube profile cutting robot system (by plasma and oxy-fuel) for offshore construction	2013
Instant Noodles Plant	HCMC	Complete palletizing robot system for instand noodles cartons	2013
Motorbike Part Manufacturer	Hanoi	More than 15 robots for Stamping Line and Welding station	2016, 2017
Electronics Device Plant	Bacninh & Haiphong	More than 3000 robots for display panel production	2016 - 2019
Soya Milk Plant	Binhduong & Bacninh	Complete pouch case packing & palletizing lines	2017
Electric Scooter Factory	Haiphong	Full welding line for scooter frame shop with 26 welding robot in 21 welding stations	2018
Automobile Factory	Haiphong	More than 1200 robots for Body Shop, Press Shop and General Assembly Shop	2018, 2019

Industrial Automation

Project Name	Location	Scope of Supply	Commissioning year
Phu My 2.1 3x150MW	Baria - Vungtau	Power Plant Distributed Control System	1999
Phu My 2.1 Extension ST 1x150MW	Baria - Vungtau	Power Plant Distributed Control System	1999
Phu My 4 3x150MW	Baria - Vungtau	Power Plant Distributed Control System	2004
Cam Pha cement plant	Quang Ninh	"Engineering & technical; Process control system; Expert software; AC Drive; 110kV Substation MCC, LVSW, MVSG; Distribution Transformers; Gas analyzer; MV & LM motor; Instrumentation; Electrical cables"	2007
Thang Long cement plant	Quang Ninh	"Plant engineering & technical; Process control system; AC & DC drive system 6kV switchgear; MCC, LVSW; MV & LV motors; Electrical cables"	2008
Ca Ngu Vang well-head platform	Baria - Vungtau	Fully integrated wellhead production platform automation	2008
KMC Hoang Sa	Baria - Vungtau	Spare parts and service	2009
Phu My Flat Steel	Baria - Vungtau	Complete drive and motor system, with most advanced LV & MV technology	2009
Uong Bi 1x300MW Thermal Power Plant	Quangninh	Power Plant Distributed Control System	2010
Nam Con Son Gas Terminal	Baria - Vungtau	Control system and drives	2011

Project Name	Location	Scope of Supply	Commissioning year
Nui Phao Mining	Daitu - Thaiguyen	Electrical system and Control system integratedly in e-house	2012
Vinapaco - PMI	Thanhson - Phutho	Drive, AC motors, and Control system for vamping paper mill 1.	2012
Bai Bang paper plant	Phutho	Quality control system and paper machine drives system	2012
Heineken Da Nang extending phase 3.1	Danang	Electrical system with Dry Transformer, MV & LV Circuit Breaker system, Cable dynamics and Bus conductor including designing, installation, engineering and commissioning.	2012
Dong nai 3 HPP, 2x90M	Vungtau	Replacement RR212-14 - Deep Venture	2012
Vinh Tan 2 2x660MW Thermal Power Plant	Dongnai	Power Plant Distributed Control System, Excitation System	2012
OJSC	Binhthuan	Power Plant Distributed Control System	2012
Vina Kyoel Steel Expansion	Vungtau	110kV Substation equipment, HV, MV, SCADA and associated technical services	2013
Heineken Da Nang extending phase 4.1	Danang	Electrical system with Dry Transformer, MV & LV Circuit Breaker system, Cable dynamics and Bus conductor including designing, installation, engineering and commissioning.	2013
VSP Marine	Vungtau	Replacement VTR200 - Mv Con Son	2013
Nasico	Haiphong	Cartridge TPS61 - Mv Nasico Sky	2013
110KV SS of Vina Kyoel Steel Ltd	Vungtau	35KV Switchgear(7) & 22KV Switchgear (22)	2014
Toyo Distribution Transformer	Laocai	Transformer, Installation supervision, Site testing	2014
Heineken-VBL Elec. Power Extension Phase 4.1 Danang	Danang	Turn-Key Project included dry transformer ,CSS, MV Switchgear, Installation, Power Hookup	2014
Dong nai 4 HPP, 2x170MW	Dongnai	Power Plant Distributed Control System, Excitation System	2014
Heineken-Hanoi Power station extension	Hanoi	Transformer ,MV Swichgear, MCC, Installation ,	2014
Pha Lai Boiler Control Project	Haiduong	Freelance System - PhaLai Power plant	2014
Hai Phong Painting	Haiphong	Freelance System +Drive+ Instrumentation	2014
Nui Phao APT Project	Thaiguyen	TR+ MV SWG+ MCC+ Driv+ PCS	2014
CBL	Cambodia	MV,LP, Transformer	2015
VSP Gas Div	Vungtau	replacement RR181-14 - GCP	2011, 2015 & 2016
VBL QuangNam	Quangnam	MV,LP, Transformer	2016
GDC Phu My Gas project	Vungtau	DCS system	2016
TanThang cement	Nghean	DCS, MV, Design and I/O cabinet	2017
Dohaco paper	Bentre	Power distribution and DCS/ QCS	2017
TanThang cement	Nghean	MV, DCS, I/O	2017
DTL steel	Binhduong	DCS, Drive	2017
PV Gas Service	Vungtau	replacement & cartridge VTC254 - Dinh Co GPP	2017
PTSC Marine	Vungtau	cartridge TPL69 - Mv CGG Amadeus	2017
Nam Con Son Pipeline Company	Vungtau	Control System for Namconson GPP	2017
Rosneft Vietnam B.V.	HCMC	Control System for PLD Offshore Platform	2018
Vinh Tan 4 2x 630MW Thermal Power Plant	Binhthuan	Power Plant Distributed Control System	2018
Hoa Phat Steel CEMS project	Haiduong	Complete CEMS system including designing, installation, engineering and commissioning.	2018
TanThang cement extra	Nghean	110kV substation, MCC, Tx	2018
HVB Heineken Vung Tau	Vungtau	MV,LV, CSS, Transformer	2018
Hai An Container	Haiphong	replacement RH183	2018
HMV Heineken Myanmar	Myanmar	Container of MV,LV, Transformer	2019
CBL Heineken Cambodia Ext.	Cambodia	MV,MCC extension	2019

Motion

Project Name	Location	Scope of Supply	Commissioning year
Holcim Cement	Kien Giang and HCMC	LV & MV motors	2007 - 1011
Crown Plaza	Hanoi	HVAC LV drives	2009
Vietso Petro Buliding	Baria - Vungtau	HVAC LV drives	2009
Song Thao Cement	Phutho	MV motors	2009
Dong Tam Water	Tien Giang	LV motors	2009
Printing Factory	Travinh	PLC, drives	2010
Sai Gon Port	HCMC	Drives, PLC, HMI	2010
Sai Gon Paper	Baria - Vungtau	Drives	2010
MIPEC Tower	Hanoi	HVAC LV drives	2010
Vietso Petro Port	Baria - Vungtau	Hazardous motors	2010
Indochine Tower	Hanoi	MV drives	2011
Quang Ninh Water	Quangninh	MV drives	2011
Marriot Hotel	Hanoi	LV drives	2011
Binh Son Refinery	Quangngai	MV & HV motors	2011
PV Drilling	Vungtau	LV motors	2011
Vietso Petro	Vungtau	LV & MV motors	2011
PV-Gas	HCMC	LV motors	2011
Cuu Long JOC	HCMC	LV motors	2011
60 Hz Power Supply for testing bay	Hungyen	02 Static Frequency Converters with total 375KVA	2012
Nui Phao Mining	Thaiguyen	Low harmonics LV drives	2012
Thanh Cong Mining	Quangninh	Regenerative MV drives	2012
Khe Cham Mining	Quangninh	Regenerative MV drives	2012
Replacement and Commissioning for fan	Honchong, Kien Giang	LV drives	2012
Motor river Water Pump	Thivai - Vungtau	LV motors	2012
Production line PMI- Bai Bang Project	Phutho	LV motors	2012
Vicem Hoang Thach Cement Plant	Haiduong	LV motors	2012
Binh Son Refinery Plant	Quangngai	Service for MV motors	2012
Ho Tram MGM Project	Vungtau	LV motors	2012
UPS-i 1250 KVA with Genset packet	Thachthat - Hatay	UPS-i 1250 KVA with battery back up time 90 minues	2013
Intel Semiconduction Factory	HCMC	LV low harmonic drives ,LV low harmonic enclosures	2015 - 2018
Cheng Loong Binh Duong Paper Co., LTD	Binhduong	LV Drives	2017, 2018
FICO Tay Ninh Cement	Tayninh	MV Motor for Grinding machine	2017
Siam Cement	Vietnam	MV motors for Fan	2017
Masan Group	HCMC	LV EP, LV drives, PLC ,HMI and SCADA	2017 - 2019
NPK Ca Mau Project	Camau	MV Motors and Drive for Fan	2019
Doan Ha Water	Phutho	MV Motors for Water Pump	2019
Xuan Thanh Cement	Hanam	MV-LV motors	2019
C.P Binh Phuoc	Binhphuoc	LV Drives, Motors and MPT Products	2019
175 Hospital	HCMC	PLC,HMI, HVAC LV Drive	2019
Vopak Vietnam	Dongnai	Ultra-Low harmonics LV drives	2019
Hilton SG Hotel	HCMC	HVAC LV drives	2019



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