



ELECTRIFICATION BUSINESS AREA

Electrifying the World

in a safe, smart and sustainable way

ABB's Business Areas

Electrification

REVENUES – \$13.2 BN

Motion

REVENUES – \$6.9 bn

Process Automation

REVENUES – \$6.3 bn

Robotics & Discrete Automation

REVENUES – \$3.3 bn



Electrification at a glance



\$13.2 billion
in revenue
(2021)



~50K
employees
worldwide



100+
countries



1.7 million
products
shipped/day



4200+
patent families



8
Regional
Distribution
centers



105
Manufacturing
sites



100+
local
standards

Electrifying the World

in a safe, smart and sustainable way

SAFE

Where we protect our people, customers, society, assets, the environment and the world around us.

SMART

Where we power progress and energy efficiency with our digital solutions and intelligent technologies.

SUSTAINABLE

Where we protect our planet and empower people with technology to drive energy transformation, by innovating how we work and live.

Burj Khalifa, Dubai
Solution: Lightning protection



Viettel Headquarters, Vietnam
Solution: Energy efficient technologies



Ljusgård Vertical Farm, Sweden
Solution: SF₆ free technology



Electrification

Our Divisions



Distribution Solutions

We improve electric power quality and reliability while strengthening grid resilience through automation. With ABB Ability™ enabled digital products and solutions our customers can unlock the full potential of their electrical systems.



E-mobility

ABB E-mobility is the world leader in EV charging solutions and the partner of choice for the world's biggest electric vehicle OEMs and nationwide EV charging network operators, building a zero-emission mobility future from home to highway.



Installation Products

Building on its 100-year history of innovation, Installation Products creates product solutions to safely connect and protect electrical systems that power businesses, cities, homes and transportation.



Power Conversion

We design, develop and manufacture solutions to power and safeguard life's everyday moments. Our customers are in industries where power reliability, efficiency and quality are essential, and they rely on us to solve their most difficult power challenges.



Smart Buildings

We ensure safe and reliable energy distribution, and we make buildings and homes smart and sustainable.



Smart Power

Our technologies enable buildings, factories and transportation to make energy management smarter, renewables more productive and operations more resilient.



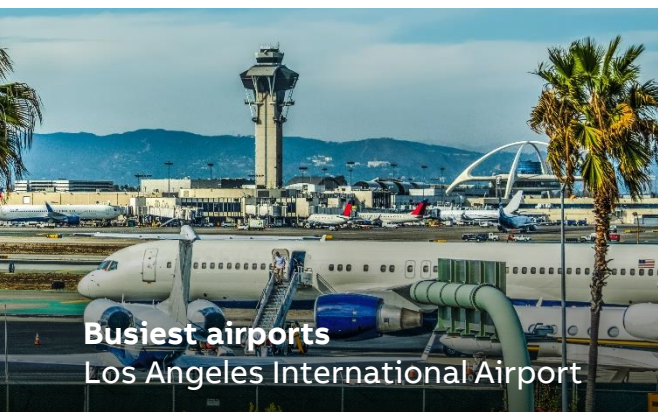
Service

Through a range of innovative, scalable electrical service solutions, we bring peace of mind to the security, safety and reliability of electrical infrastructure, help customers to optimize their electrical assets, and partner with them as their future energy challenges evolve.

Developing innovative products, solutions and digital technologies that enable energy efficiency and a low-carbon society across all sectors

Our products and solutions are all around us

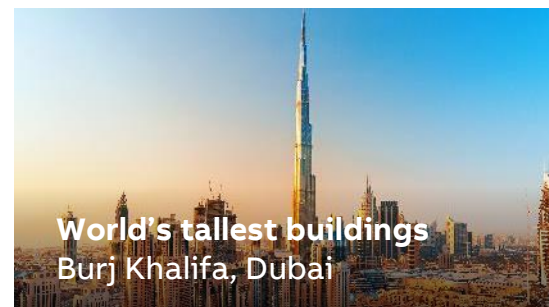
Supporting some of the world's largest, highest, and most extreme projects



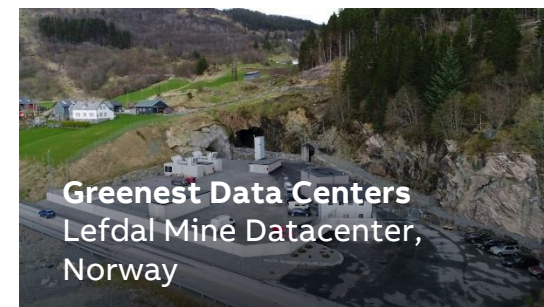
Busiest airports
Los Angeles International Airport



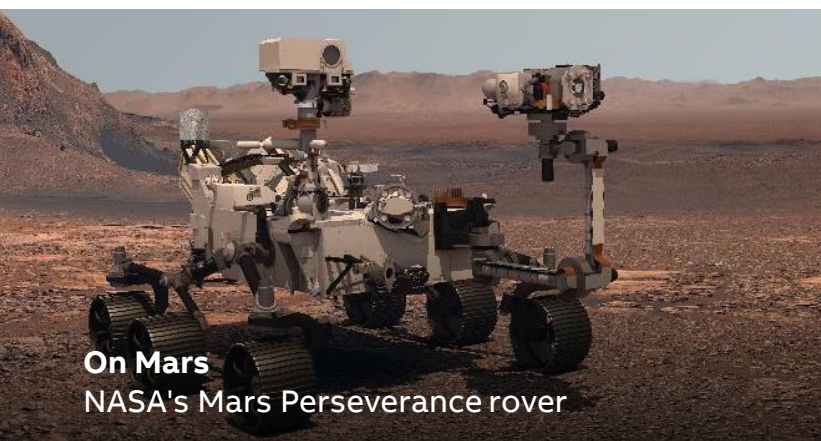
Most efficient yachts
Maid of the mist, Niagara falls



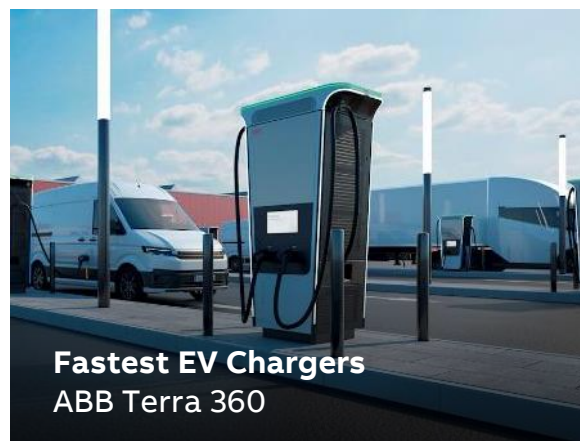
World's tallest buildings
Burj Khalifa, Dubai



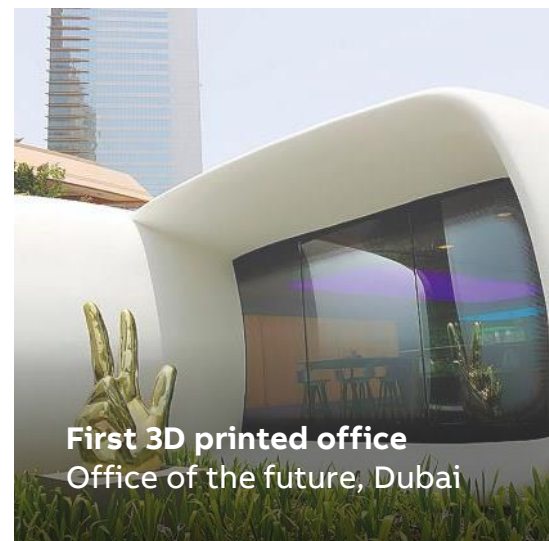
Greenest Data Centers
Lefdal Mine Datacenter,
Norway



On Mars
NASA's Mars Perseverance rover



Fastest EV Chargers
ABB Terra 360



First 3D printed office
Office of the future, Dubai



World's oldest metro system
London Underground

ABB in Indonesia

Let's write the future

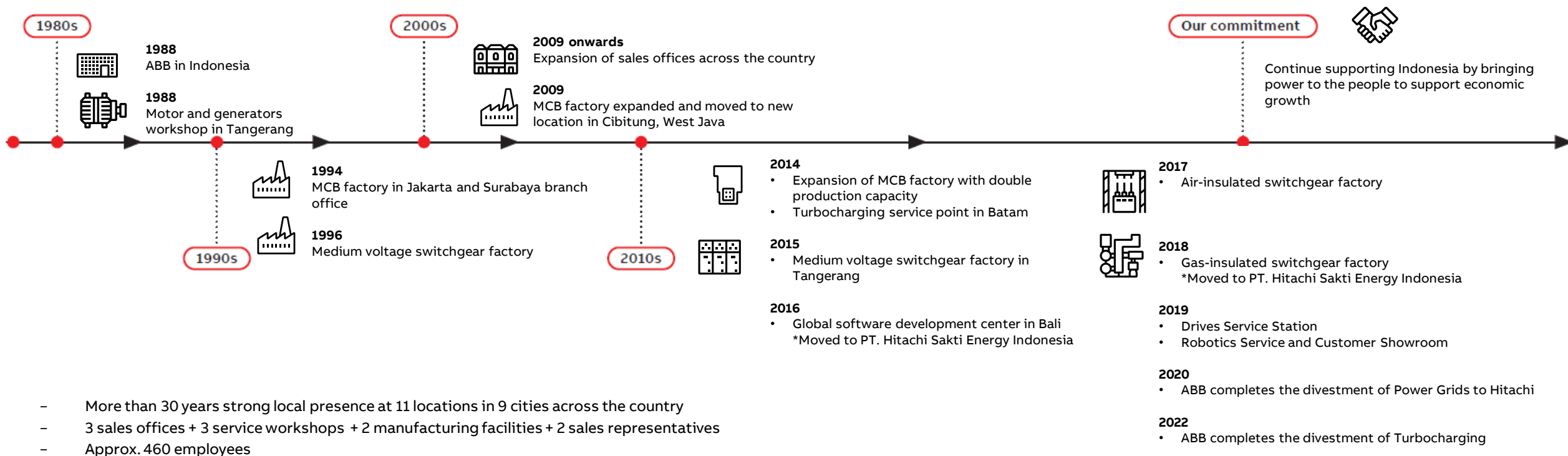
ABB's vision



ABB is a pioneering technology leader that works closely with utility, industry, transportation and infrastructure customers to write the future of industrial digitalization and realize value

Let's write the future

ABB's vision



Strong local presence

Several locations across the country

- 3 sales offices
- 3 service workshops
- 2 manufacturing facilities
- 2 sales representatives

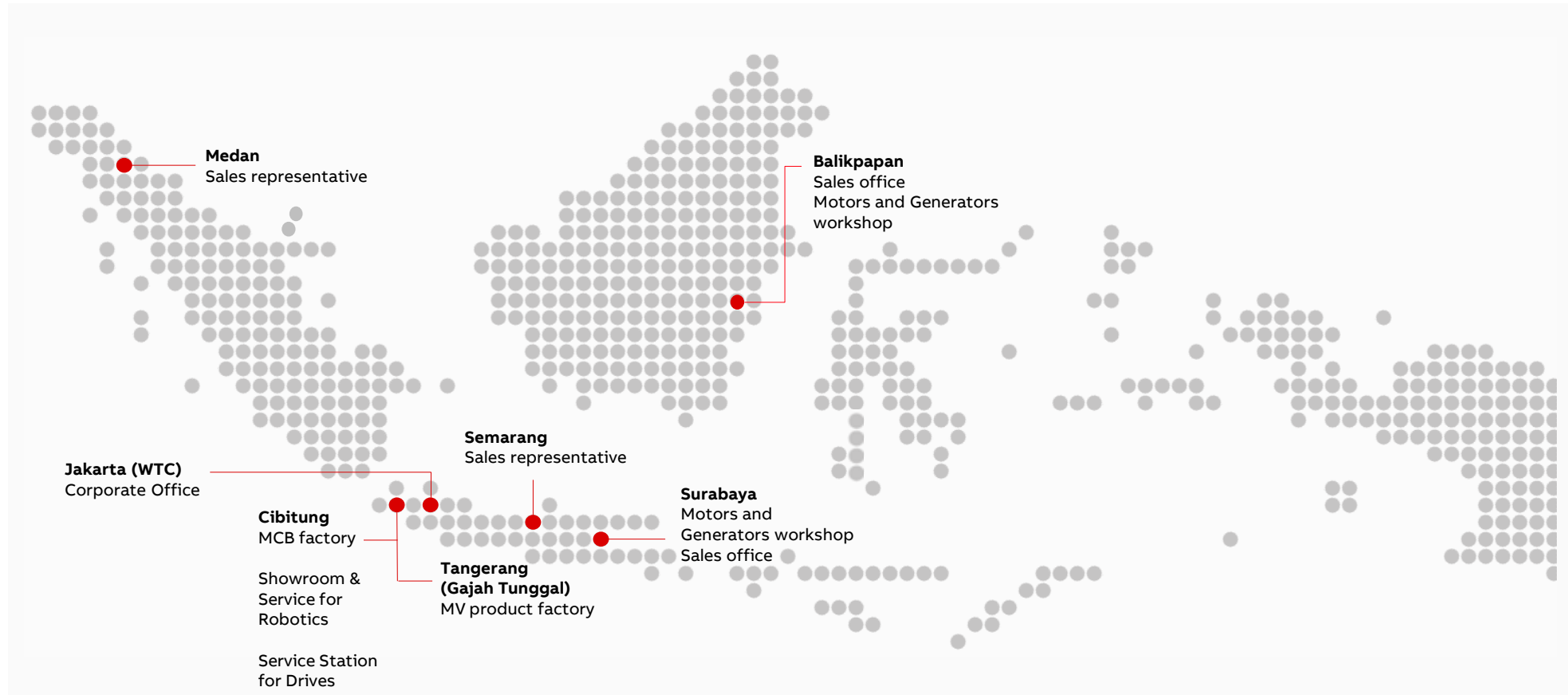


ABB Formula E Jakarta

The ABB FIA Formula E World Championship brings the thrill of electric racing to as many people as we can on city-center circuits worldwide. But more than that, it is a showcase for the world's most advanced e-mobility technologies, which are helping to drive progress towards a more sustainable future.

The race came for the first time in June 2022, with 22 drivers competing on a purpose-built 2.37-kilometer circuit set against the backdrop of Jakarta Bay. The Jakarta E-Prix also hosts multiple aspects of the motorsport industry through activities and workshops.

In 2023, ABB took on its new role as the Official Charging Partner in the series. With engineers from the motorsport governing body, the FIA, and Formula E, ABB has developed a compact, reliable, and safe solution for charging the new Gen3 cars before race day and between sessions.





Electrification Indonesia

Electrification in Indonesia

Delivering safe, smart, and sustainable electrification across the country



~250 employees



Ensuring **reliable power** for the **tallest building** in Indonesia and southern hemisphere



Protecting new airport rail systems for the new Soekarno-Hatta Airport Rail Link in Jakarta and LRT in Palembang.



2 (two) manufacturing sites

- Cibitung : MCB factory
- Tangerang: MV switchgear



Supporting one of **the first fast charging stations** in Indonesia



Solutions and systems **at Indonesia's second largest airport**



Powering **the world's largest data center** located in the greater Jakarta



Protecting power supply for the 2022 **G20 summit in Indonesia**



Committed to growing the local footprints

Two manufacturing facilities

MCB factory – Cibitung, West Java



- Serving domestic and export market (Asia, Europe, Africa, Australia and NZ)
- National certifications: SNI, SPLN and TKDN (local content) including quality, OHS and environment management assurance.
- State-of-the-art factory that has been designed for lean manufacturing operations with the capability to produce over 10 million poles per year

MV switchgear factory - Tangerang



- ABB's medium-voltage switchgear - UniSec, SafePlus, Sectos, UniGear and UniGear Digital
- National certifications SNI 04-6507, quality, OHS and environment management assurance.
- State-of-the art factory that has been designed for lean manufacturing operations with the capability to produce thousands of panel per year

Working together with channel partners

A lasting relationship by making their success our success



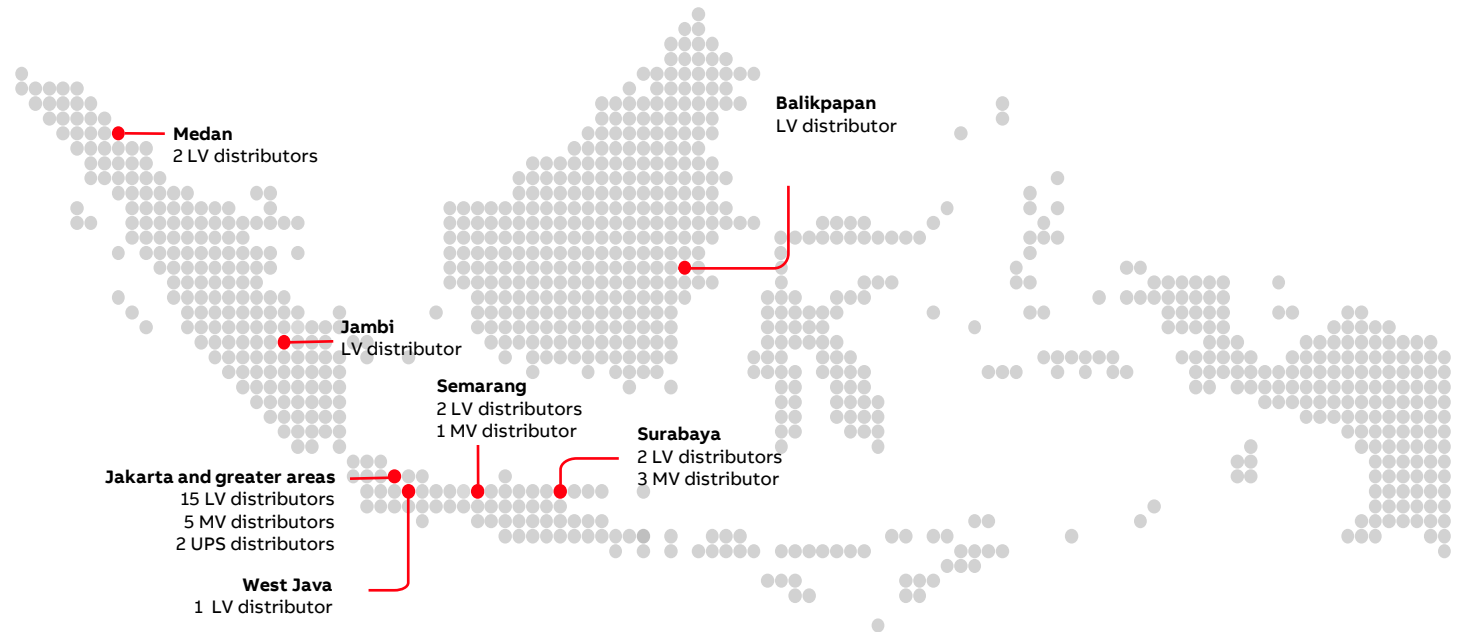
Significant growth with
>100 % target achievement¹⁾



Going **into e-commerce**
for B2B and B2C



Strong **local network** to
traditional markets



EV charging project References in Indonesia

Supporting Shell Indonesia EV charging solutions

EV Charger Terra 54

- With **ABB e-mobility solutions**, Shell is strengthening EV charging infrastructure in Indonesia.
- **ABB is deploying its Terra 54 DC** (Direct Current) 50kW fast chargers for this project, which can charge a vehicle's battery up from zero to 80 percent within 20-30 minutes
- **Three Shell stations** in Pluit (North Jakarta), Antasari (South Jakarta), and Jagorawi (Bogor) will allow customers to quickly recharge their vehicles and support Indonesia's transition to a future of sustainable mobility



Shopping while charging

EV charging station at Pondok Indah Mall 3

AC wallbox

- 6 (six) units of **AC wallbox** installed at basement parking area of Pondok Indah Mall 3.
- The facility allows drivers to simply plug their car and get on their day at the shopping mall.
- Pondok Indah Mall (referred to by Jakartans as "PIM") is a large shopping complex located in the Pondok Indah suburb of South Jakarta, Indonesia. The Pondok Indah Mall complex comprises three large buildings, the older 3-storey PIM1 and the 5-storey PIM2, and the newest building PIM3.



Promoting electric mobility in the heart of Jakarta

EV charger Terra 54 DC

- One of the first fast-charging stations at the heart of Jakarta's business district - WTC office complex - where ABB's Indonesian head office is located.
- This is part of ABB's strategic support to the government's electric vehicle program.
- PT Jakarta Land, building management of World Trade Center (WTC), one of the largest office complex in Jakarta, is collaborating with ABB to showcase EV charging station at the parking lot of the office complex.



The first apartment in Indonesia with EV charging facility

EV charger AC wallbox

- **AC wallbox** provides a high quality yet cost-effective electric vehicle charging point.
- The charger is contained in its own enclosure that can be either wall or pole mounted at homes or offices, allowing drivers to simply plug their car and get on their day or leave the car charged overnight.
- Verde Two Apartment is a vertical luxury residence consisting of two state-of-the-art high-rise towers in Kuningan CBD, Jakarta. It is developed by PT Farpoint Realty Indonesia, one of the country's leading real estate developers.



EV fast charging station in the heart of Jakarta

EV charger Terra 54 DC

- ABB supplied one unit of Terra 54 (50 KW), installed at the head office of PLN Distribution Unit of Jakarta, located in the heart of Jakarta capital.
- The charging unit is a cost-effective multi-outlet solution to charge both AC and DC cars in 30 to 120 minutes.
- The unit is open for public and equipped with complete module for e-payment.



Supporting one of the first fast charging stations in Indonesia

EV charger Terra 54 DC

- The ABB Ability™ enabled charging station is one of the first DC fast chargers to be installed in Indonesia. It was commissioned by The Agency for the Assessment and Application (BBPT), a non-departmental government institution under the coordination of the Ministry of Research and Technology
- ABB delivered Terra 24 CJG DC charging station, a cost-effective multi-outlet solution to charge both AC and DC cars in 30 to 120 minutes. It receives almost 25 percent of its power from renewable solar sources.
- The fast-charging station represents a significant step by the Indonesian government in reducing its carbon emissions.



Electrifying the world
in a safe, smart and
sustainable way

go.abb/electrification



ABB