FACTORY PROFILE

High Voltage Products
Tangerang, Indonesia

ABB focuses on the continual development of new technologies to increase reliability, availability and eco efficiency of substation products and has a century of experience to rely on.

ABB is a pioneering technology leader in electrification products, robotics and motion, industrial automation and power grids, serving customers in utilities, industry and transport & infrastructure globally. ABB operates in more than 100 countries with about 136,000 employees.

ABB offers a comprehensive range of high-voltage products up to 1200 kilovolts AC and 1100 kilovolts DC that help enhance the safety, reliability and efficiency of power networks while minimizing environmental impact. Our technology leadership continues to facilitate developments in areas such as ultra-high-voltage power transmission, enabling smart grids and enhancing eco-efficiency.

Our 1,300 square-meter high voltage production unit in Tangerang, Indonesia manufactures a range of high-voltage equipment such as ABB’s Live Tank Circuit Breakers and Disconnectors. The high-voltage circuit breakers are known for their high reliability and come with a global footprint, protecting power networks in many different climates and applications.

Incoming goods inspection
All materials are thoroughly checked in the incoming good inspections to guarantee 100 percent quality.

Testing facilities
The testing facility has the capabilities to do routine testing with state of the art high voltage testing equipment, explosion proof test chamber, high precision timing equipment, advanced SF6 Gas handling plant.

Factory Acceptance Test (FAT)
FAT is the single most important milestone in AIS installation project where tests are performed to determine that the customer requirements and specifications are met prior to delivery to site.

Installation and commissioning
Fully trained ABB experts provide on-site installation and commissioning for high reliability and optimized life-cycle performance from the first operation. Our facility is fully equipped with tools and test equipment for fast and reliable installation and commissioning.
Common flow production line with one piece flow and pull concept

Modern process techniques such as lean manufacturing, lean administration, just-in-time, one-piece flow, kaizen and theory of constraints are applied. Use of these new techniques in the factory helps achieve top industry standards such as:

- Shortest delivery times
- Reliable on-time delivery
- Highest quality level
- Rapid response to customer requirements
- Highest cost efficiency
- Best performance

Lean and Continuous Improvement Process (CIP) culture

Shop floor management is achieved using the visual display of various parameters by deploying lean management tools like GEMBA, PDCA and 4Q. This is implemented across all levels of operation, ensuring that all follow a Lean and Continuous Improvement Process (CIP) culture. This helps in achieving:

- Highest quality
- Highest efficiency
- Highest safety

Factory capability

- High voltage circuit breaker type LTB-D up to 170kV
- High voltage disconnector type SDF up to 170kV
- Gas Insulated Switchgear (GIS) up to 170 kV

Major clients / markets

- Domestic: industries and EPCs
- Utility: PLN

Quality standard applied

- Environmental management system: ISO 14001:2004
- Occupational health and safety: OHSAS 18001:2007

Major development

- State-of-the-art high-voltage equipment
- ABB production process, quality assurance system and latest state of art testing facilities.
- Certified with International Health, Safety, and Environmental (HSE) standards.