

# Delivering power to you – safely, reliably

## 1. Power generation

### Power plant

Generating electricity to meet demand.

### Step-up transformer

Stepping up the generated electricity to high voltage (HV) to be able to move long distances.

High-voltage transmission level (HV)

Overhead transmission lines

## 2. Power transmission

### Gas-insulated switchgear (GIS)

Combination of electrical disconnect switches, and circuit breakers used to control, protect and isolate electrical equipment.

### Step-down transformer

Transformation to lower high voltage level.

High-voltage sub-transmission level (HV)

## 3. Power distribution

### Step-down transformer

Transformation to medium and low-voltage level as it is delivered to end users.

### Air-insulated switchgear (AIS)

Combination of electrical disconnect switches, and circuit breakers used to control, protect and isolate electrical equipment.

Medium-voltage (MV)

Residential consumers

Underground distribution lines

Low-voltage (LV)

Industrial consumers

