



Rockwill Electric Group



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01 Introduction

Rockwill Electric Group is a high-tech enterprise which was founded in 2008. The factory covers an area of 100,000+ square meters. We specialize in developing, manufacturing and marketing power transmission and distribution products.

Rockwill enjoys a worldwide reputation for its superior quality and service. In addition to the domestic market, we have been exported to America, South Asia, Middle East, Africa, Eastern Europe, Central Europe, etc.

We embrace the idea of developing together with customers and are committed to provide users with safer, easier, greener, and more energy-saving medium and high voltage electric equipment and components.



Brief Introduction



Rockwill was founded in 2008. Nowadays Rockwill gained total 4 factories and 1 IM&EX, 1 contracting companies. Turnover more than \$75M at 2018, Business over 79 countries. With KEMA,CE,UL certificates ,....

Subsidiary Corporation

Business Scope

- **Outdoor Switch & Breaker, Switchgear Components, GIS, Substation & Panel.**
- **Distribution Automation System & Software, Relay Protection, Controller of Distribution Automation Units(Recloser, Smart Transformer, Voltage Regulator, Load Break Switch, etc.)**
- **Power Transformer, High Voltage Breaker, Operating Mechanism.**
- **Manufacturing operating mechanism for Power Distribution Equipment like Recloser, Load Break Switch and Voltage Regulator, etc.**
- **Supplying and Gathering Whole Solutions includes Designing, Manufacturing, Engineering, Constructing, Commissioning, and Financing Service.**



1.3

Factory Pictures



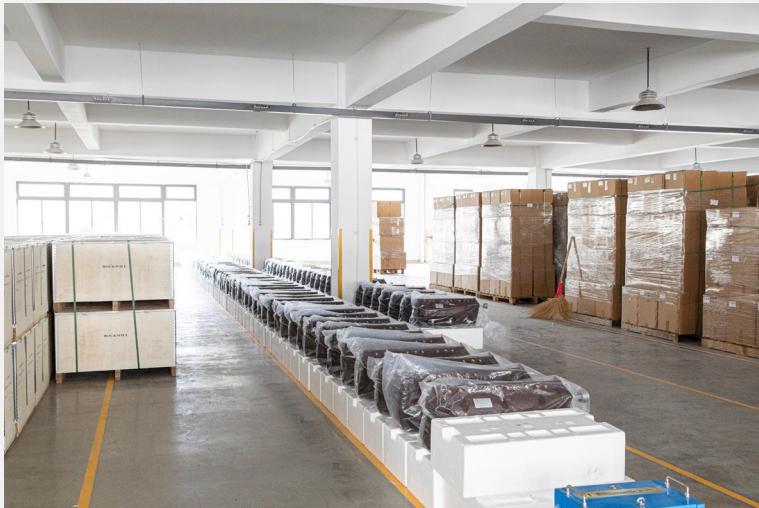
Switchgear Workshop



Headquarter



Indoor VCB Workshop



Indoor LBS Workshop



Transformer Workshop



Test Laboratory

Factory Pictures



Insulating Part Workshop



Outdoor LBS Workshop



Outdoor Recloser Workshop



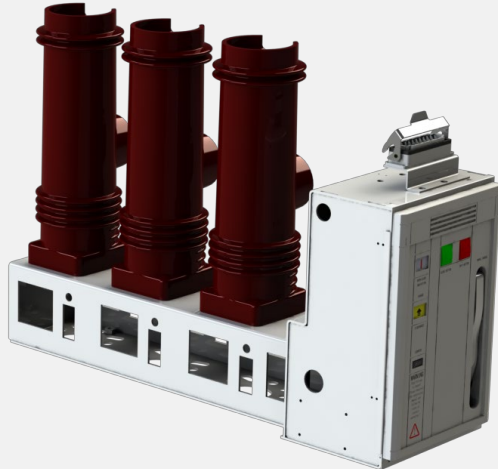
Outdoor SF6 CB Workshop

02 Products

- Outdoor switchgear-Outdoor SF6 circuit breaker-Automatic circuit recloser-On load break switch-Automatic Sectionalizer-Outdoor vacuum circuit breaker-Capacitor switch solutions-Solid vacuum load break switch
- Medium voltage switchgear- Air insulated switchgear- Gas insulated switchgear-Solid ring main unit -Ring main unit
- Switchgear components: Vacuum circuit breaker-SF6 load break switch-SF6 circuit breaker-Earth switch-Current/Voltage transformer-Bulk metering unit
- Power transformer and Distribution transformer - Step voltage regulator-Prefabricated substation
- Solutions for power and grid-Substation works -distribution line works-Small power plant-Smart grid system solutions

2.1

Indoor Vacuum Circuit Breaker



- Indoor type Vacuum Circuit Breaker tested as per IEC62271-100 standard.
- $U_r=11\text{kV}$ up to 40.5kV , $I_r=630\text{A}$ up to 4000A , $I_{sc}=12.5\text{kA}$ up to 40kA at 50/60Hz, phase distance: 150mm/210mm/275mm
- Fixed and withdrawable type;
- Frontal and lateral type
- Used in metal clad switchgear, AIS Ring Main Unit.

Indoor G3 Circuit Breaker



- Indoor type HM4-G3 Circuit Breaker tested as per IEC62271-100 standard.
- $U_r=11\text{kV}$ up to 40.5kV , $I_r=630\text{A}$ up to 3600A , $I_{sc}=12.5\text{kA}$ up to 50kA at 50/60Hz, phase distance: 150mm/210mm/275mm/350mm
- Fixed and withdrawable type;
- Frontal and lateral type
- Used in metal clad switchgear

Indoor G3 Load Break Switch



- Indoor type RLS-G3 Load break switch tested as Per IEC62271-102 standard.
- $U_r=11\text{kV}$ up to 40.5kV , $I_r=630\text{A}$, $I_{sc}=12.5\text{kA}$ up to 20kA at 50/60Hz, phase distance:
200mm/210mm/275mm/350mm
- Operation: Manual/Motor with different accessories.
- Motor voltage: DC24V/48V/110V/220V
- Application: used in ring main unit

Indoor Pure air/N₂ Load Break Switch



- Indoor type Rysec- Pure air/N₂ Load break switch tested as Per IEC62271-102 standard.
- $U_r=12\text{kV}$ up to 24kV , $I_r= 630\text{A}$, $I_{sc}=12.5\text{kA}$ up to 20kA at 50/60Hz, Operation: Manual/Motor with different accessories.
- Pure air/N₂ insulation, SF₆-free environmentally friendly design
- Three-position operation ON-OFF-EARTH, with mechanical interlocking
- Motor voltage:DC24V/48V/110V/220V
- Application: used in ring main unit

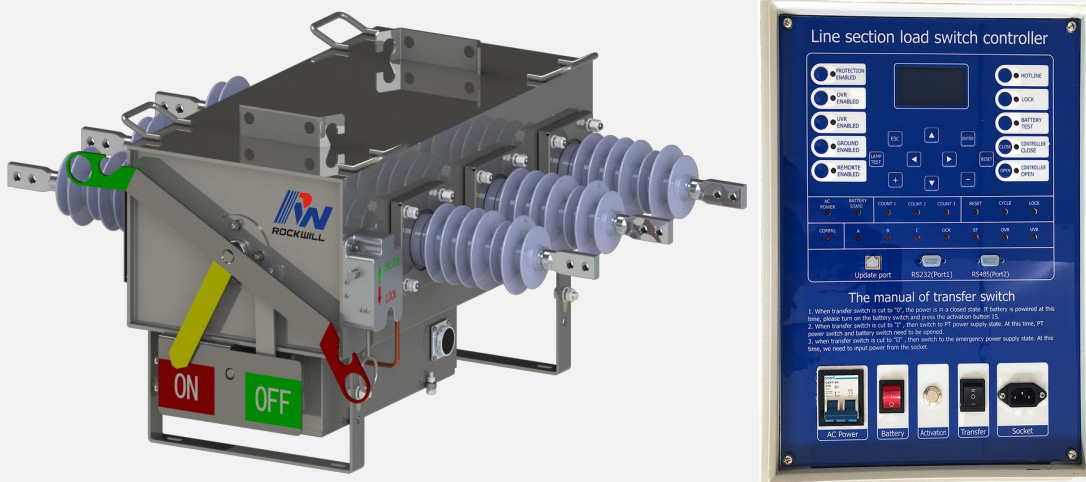
2.5

Auto Recloser



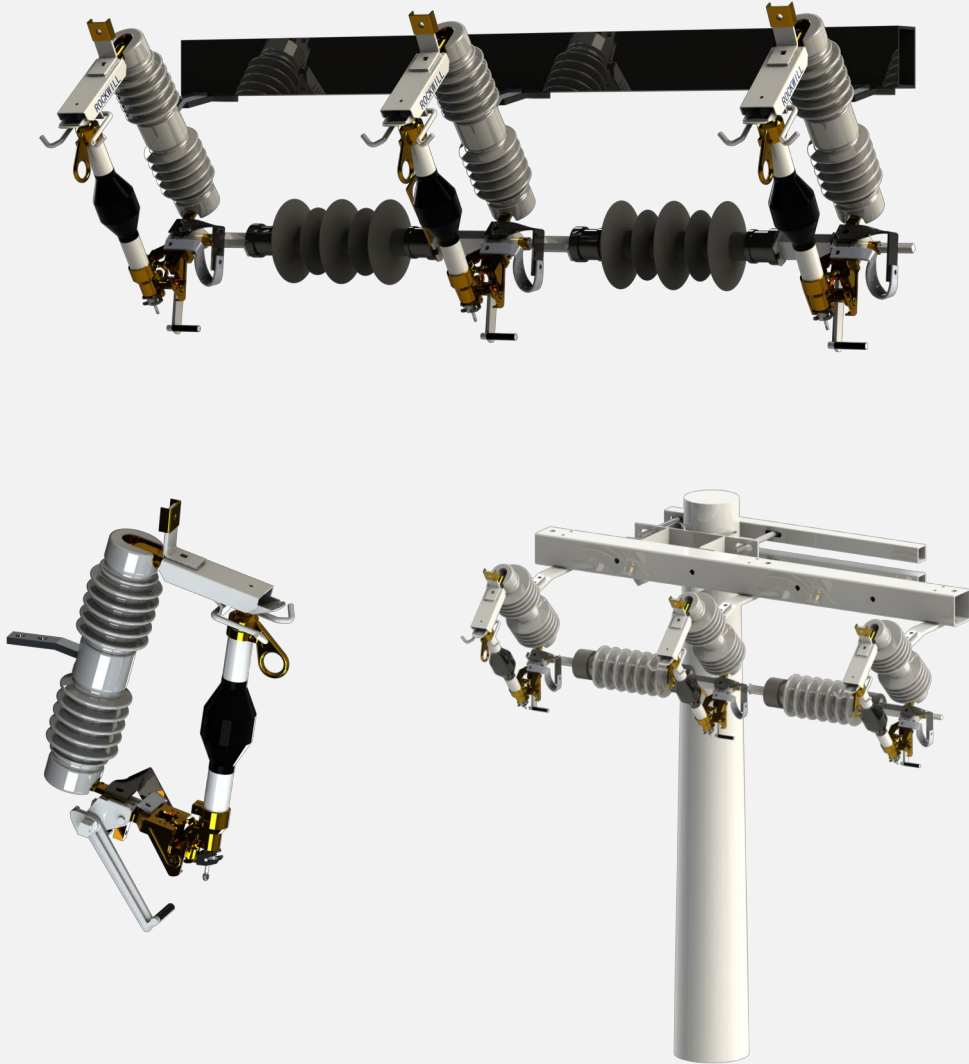
- RCW-Auto Recloser KEMA type tested as Per IEEE C37.60/IEC62271-111 standard.
- $U_r=11\text{kV}$ up to 38kV , $I_r=630\text{A}$ up to 1250A , $I_{sc}=12.5\text{kA}$ up to 25kA at 50/60Hz.
- Ready for SCADA communication protocol: IEC 61870-5-101,104, DNP3.0, Modbus, IEC61850, etc.
- With Software APP for personal mobile management- Micro Smart Grid App.

Outdoor SF6 Load Break Switch



- The RPS-SF6 Load Break Switch KEMA type tested as per IEC62271-103 standard.
- $U_r=11\text{kV}$ up to 38kV , $I_r=400\text{A}$ up to 630A , $I_k=12.5\text{kA}$ up to 25kA at 50/60Hz.
- Ready for SCADA communication protocol: IEC 61870-5-101,104, DNP3.0, Modbus, IEC61850, etc.
- With Software APP for personal mobile management- Micro Smart Grid App.

Dropout Sectionalizer



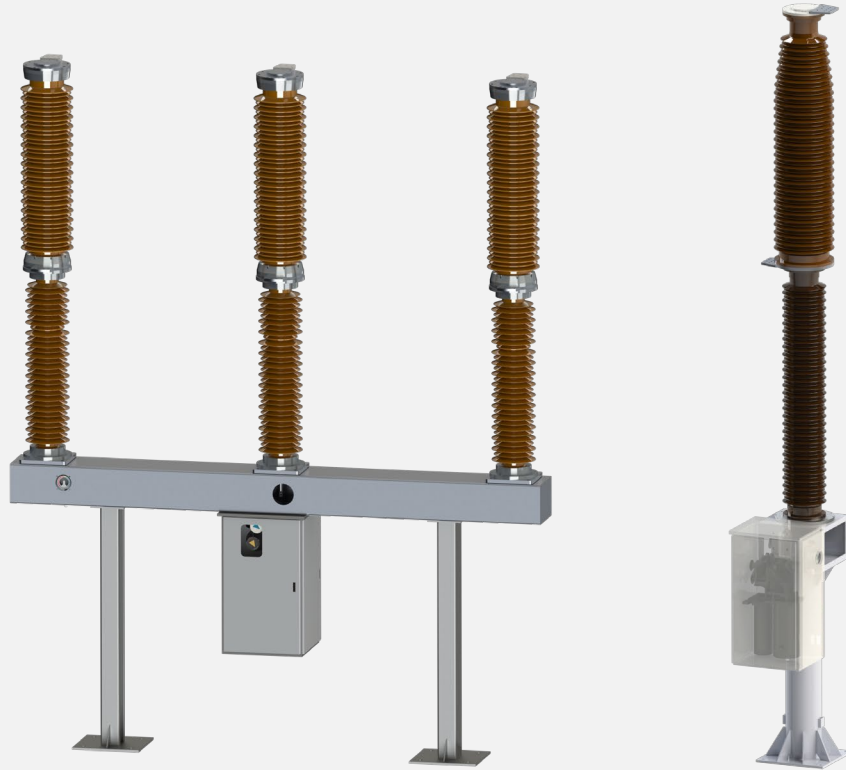
- The RDK-Auto sectionalizer tested as per IEC62271-103 standard.
- $U_r=11\sim40.5\text{kV}$, $I_r=200\text{A}$, $I_{sc}=16\text{kA}/20\text{kA}$ at 50/60Hz.
- Installed on distribution overhead line to isolate fault section. It allows the upstream recloser/breaker to clear the fault without interrupting the circuit
- Ready for gang operated by WIFI.

Vacuum Circuit Breaker



- The RVB-Outdoor Vacuum Circuit Breaker is tested as per IEC62271-100 standard.
- $U_r=12\sim36\text{kV}$, $I_r=630\text{A}\sim2500\text{A}$, $I_{sc}=25\text{kA}/31.5\text{kA}/40\text{kA}$ at 50/60Hz.
- Designed for different primacy options: Standard type and special type with CT for relay protection and current measuring purpose.

SF6 Live Tank Circuit Breaker



- The RHB-SF6 Live Tank Circuit Breaker tested as per IEC62271-100 standard.
- $U_r=12\sim550\text{kV}$, $I_r=630\text{A}\sim6000\text{A}$, $I_{sc}=25\text{kA}\sim63\text{kA}$ at 50/60Hz.
- Used in power distribution for control and protection of lines, transformers, rectifier units, capacitor banks, etc.
- Due to the SF6 autopuffer breaking technique, the SF6 circuit-breakers do not generate overvoltage during switching

SF6 Dead Tank Circuit Breaker



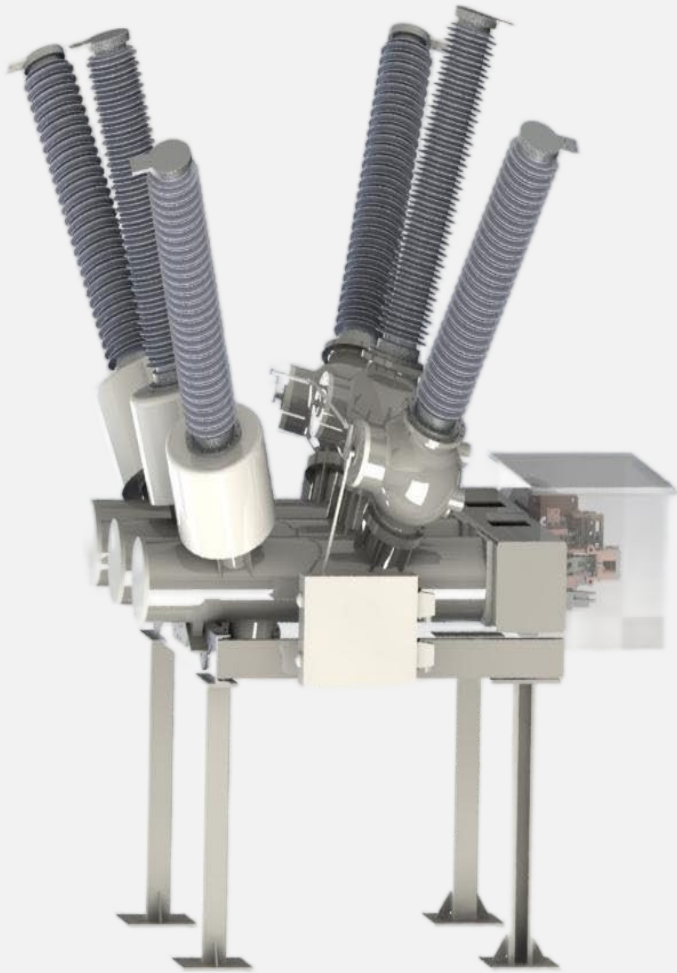
- The RHD-SF6 Dead Tank Circuit Breaker tested as per IEC62271-100 standard.
- $U_r=12\sim550\text{kV}$, $I_r=630\text{A}\sim6000\text{A}$, $I_{sc}=25\text{kA}\sim63\text{kA}$ at 50/60Hz.
- Used in power distribution for control and protection of lines, transformers, rectifier units, capacitor banks, etc.
- Due to the SF6 autopuffer breaking technique, the SF6 circuit-breakers do not generate overvoltage during switching

Clean air insulated vacuum circuit breaker



- The RVD Clean air insulated vacuum circuit breaker, compliant with IEC/IEEE standards.
- Rated voltage 145kV, rated current 3150A, short-circuit breaking current 50kA.
- SF₆-free environmentally friendly design with zero GWP and zero greenhouse gas emissions.
- Compact structure with high reliability and maintenance-free vacuum interrupter technology.
- Application: Indoor/outdoor substations and high-voltage power systems.

Hybrid Gas Insulated Switchgear



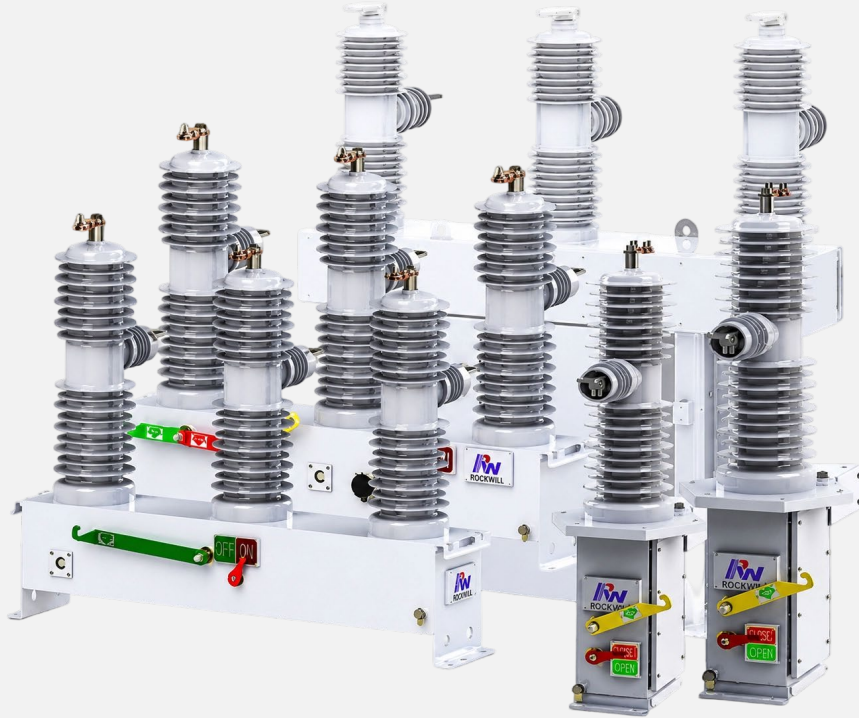
- The RHP-Hybrid gas insulated switchgear, compliant with IEC/ANSI standards.
- Voltage range 40.5kV up to 245kV, with compact structure and small footprint.
- Integrated circuit breaker, disconnector/earthing switch, CT and VT in one unit.
- Combines GIS reliability with AIS flexibility for substations and power systems.
- Application: Indoor, outdoor and rooftop installations.

Dead Tank Vacuum Air Circuit Breaker



- The RDV-Outdoor vacuum circuit breaker with magnetic actuator technology, compliant with IEC 62271-100 / ANSI standards.
- Rated voltage 15.5kV/27kV/38kV, short-circuit interrupting current up to 40kA.
- Compact structure with high insulation level and intelligent control system.
- Maintenance-free design with mechanical endurance up to 10000 operations.
- Application: Medium voltage substations and distribution systems.

Capswitch



- The RCS capswitch is complied with IEEE/ANSI C37.66.
- $U_r=15\text{kV}/27\text{kV}$ for single phase, 38kV for three phase at 50/60Hz.
- Advantage for substantial savings from reducing maintenance and maximized bank uptime and will also improve Power Quality.
- RS-232/RS-485 ports supporting. Modbus communication protocol support (GPRS/GSM wireless control).

Metal Clad AIS Switchgear



- The KYN28 & KYN61 Metal clad switchgears are type tested by CNAS which is in conformity with the standards of IEC62271-200.
- $U_r=12/24/36\text{kV}$, $I_r=630\sim3150\text{A}$, $BIL=75/95\text{kV}/170\text{kV}$ at 50/60Hz power system.
- Fitted with optional isolator/PT/Fuse truck etc...
- Mainly used for the transmission and distribution of electrical power and control, protection, monitoring of the circuit.

Ring Main Unit



- The RAR SF₆-free dry air insulated switchgear, compliant with IEC standards. It is in conformity with the standards of IEC62271-200.
- Rated voltage 24kV, rated current 630A, short-time withstand current 20kA/3s.
- Compact modular design for RMU and secondary distribution systems.
- Internal arc classified IAC AFLR 20kA/1s with high reliability.

Fully Air Insulated Switchgear



- The Rok-Pure Air/N₂ insulated switchgear, compliant with IEC/ANSI standards. It is in conformity with the standards of IEC62271-200.
- Rated voltage 12kV/24kV, rated current 630A, short-time withstand current 12.5/16/21kA.
- Integrated circuit breaker, disconnecter and earthing switch design.
- Compact structure with 420mm width, safe and reliable operation.
- Application: RMU and medium voltage distribution systems.

Low Voltage Panel



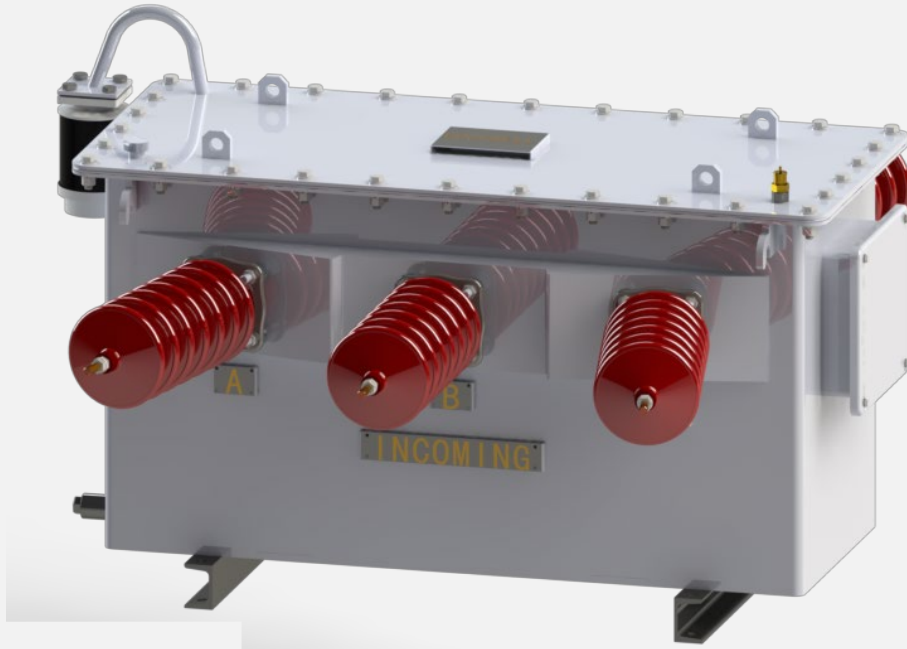
- The low voltage panel is in conformity with the standards of IEC439.
- Different types can be customized by clients' requirement.
- Component brand is CHINT and other well-known domestic supplier.

Voltage Regulator



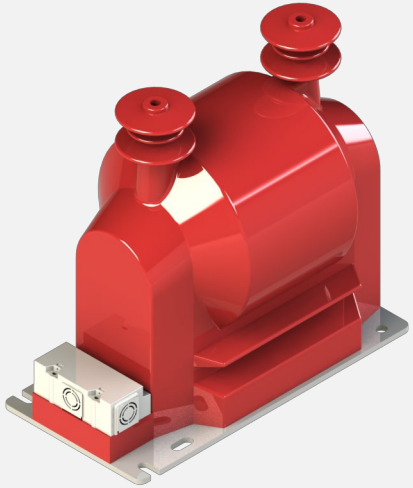
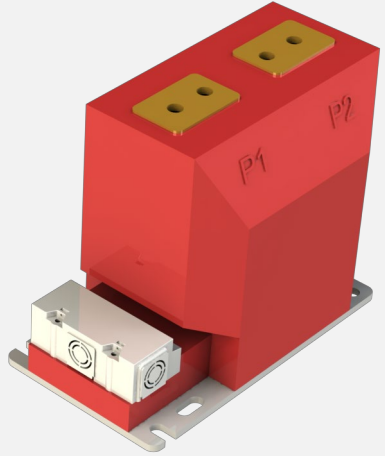
- The RVR voltage regulator is type tested by CNAS.
- $U_r=2.4\text{kV}$ (60 kV BIL) up to 34.5kV (200 kV BIL) for 50/60Hz.
- Ready for SCADA communication protocol: IEC 61870-5-101,104, DNP3.0,Modbus,IEC61850,etc.
- With Software APP for personal mobile management- Micro Smart Grid App.

Metering unit



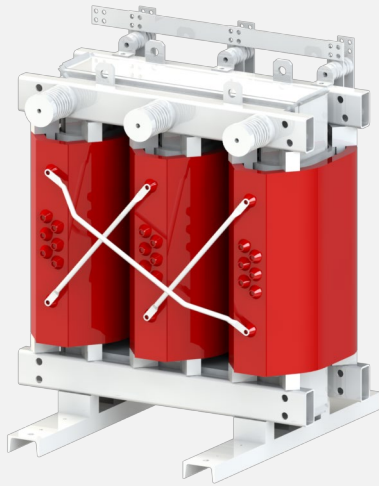
- The RBM metering unit is complied with IEC60044-3 .
- $U_r=11\text{kV}, 33\text{kV}$ at 50/60Hz power system.
- CT and VT combined and assembly together.
- Meter box can be placed in downstream of the metering outfit to measure the energy.
- Suitable for pole mounted

CT & VT



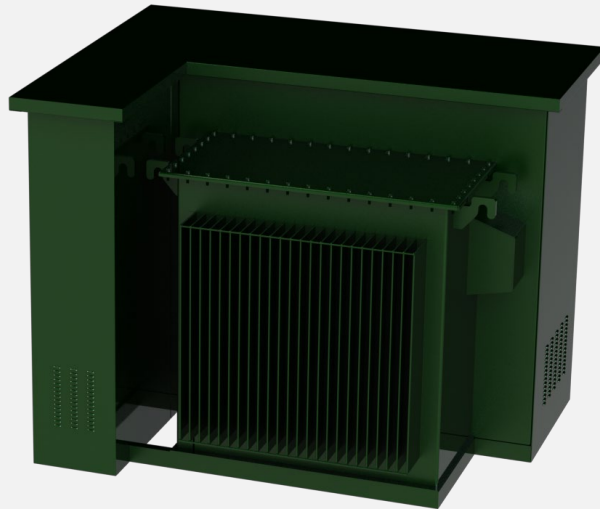
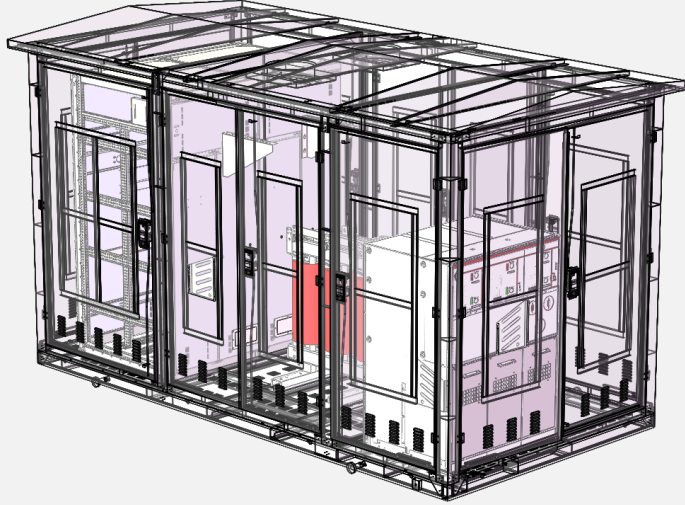
- The Current transformer and Voltage transformer are complied with IEC 60044.
- $U_r = 12\text{kV} \sim 36\text{kV}$ at power system 50/60Hz.
- Type: dry type, oil immersed type
- Application: Indoor/Outdoor
- To facilitate measurement/protection/control, it needs to be converted into a relatively uniform current/voltage

Transformer



- The transformer is type tested by CE and CNAS. It is in conformity with the standards of IEC60076.
- Type: cast resin, oil immersed, smart transformer
- Application: Transmit electrical energy, change voltage
- Suitable for pole mounted

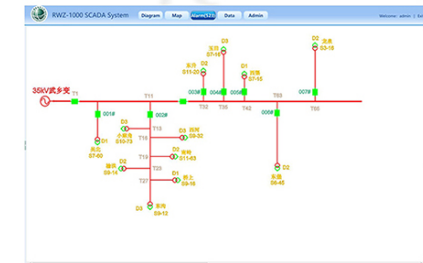
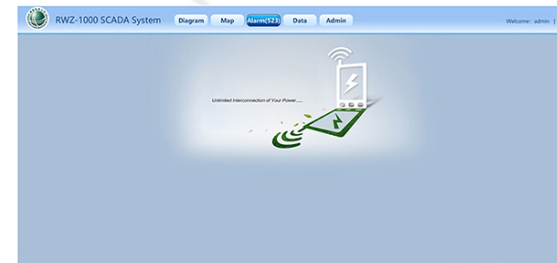
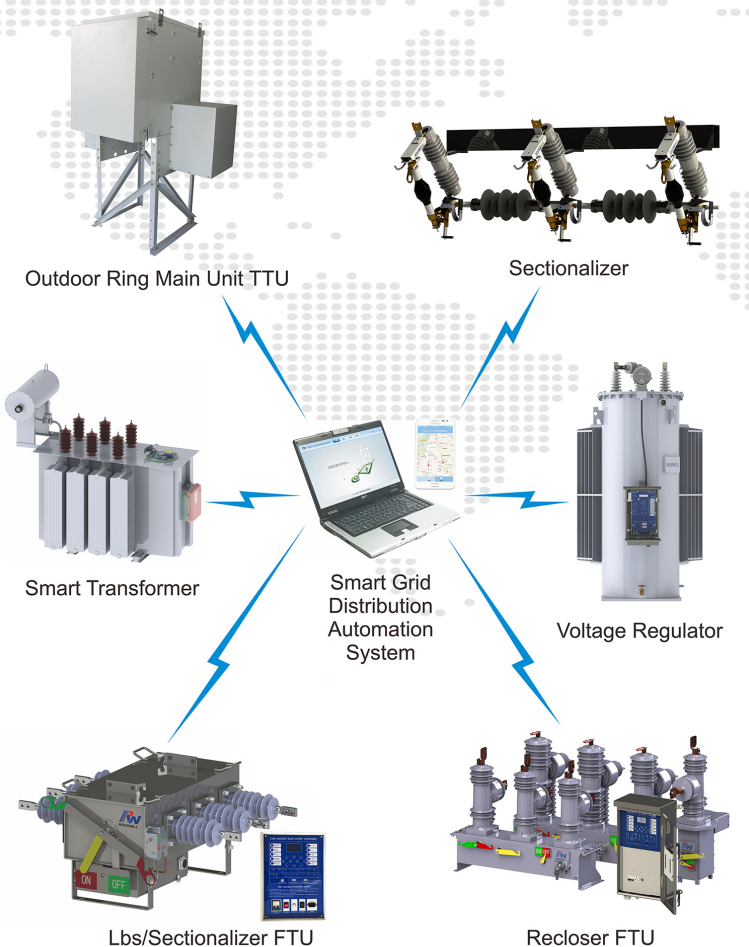
Compact Substation



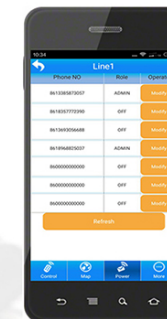
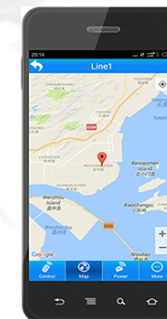
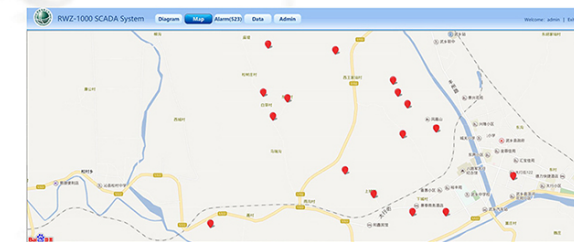
- The Compact Substation is type tested by CE and CNAS. It is in conformity with the standards of IEC60076.
- Equipment that integrates the MV switchgear, transformer, LV distribution equipment together.
- Advantages: Loop network power supply, high reliability, saving investment, compact area

SCADA System

The SCADA system mainly collects real-time data of switches distributed at each responsibility Demarcation point in the distribution network to realize real-time monitoring of power grid operation. In addition, the supporting mobile client software can check or manage the power grid anytime and anywhere, improving the level of automatic management and power supply quality.

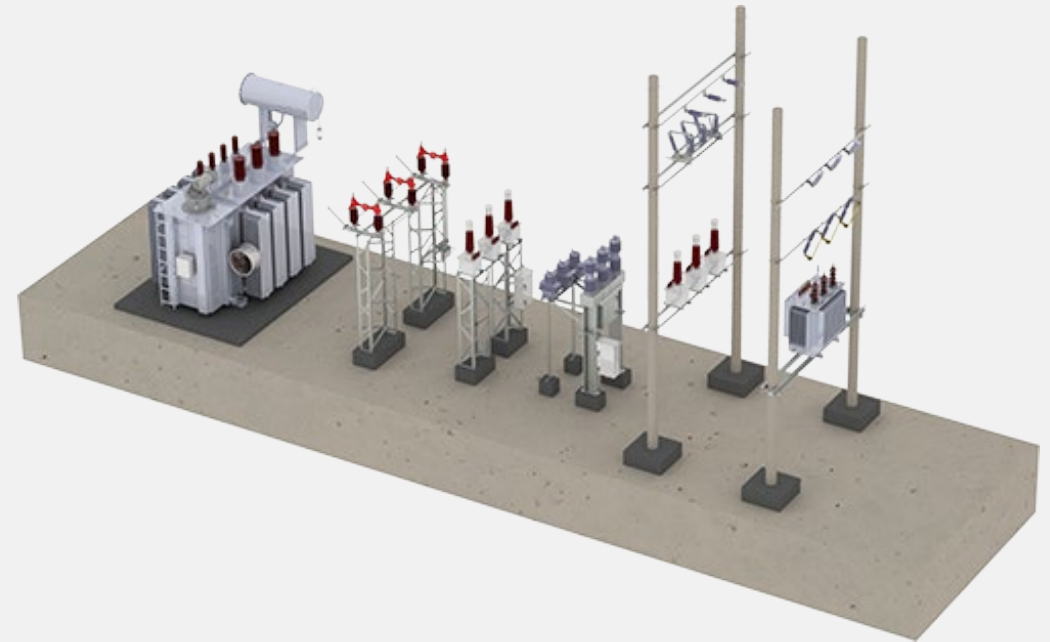


No.	Name	Unit	Value	Alarm	Remark
1	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
2	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
3	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
4	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
5	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
6	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
7	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
8	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
9	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
10	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
11	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
12	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
13	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
14	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
15	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
16	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
17	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
18	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
19	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变
20	10kV 武乡变	10kV	2018-07-01 10:10	Normal	10kV 武乡变



Substation

Substation consist of power transformer, switchgear, high voltage equipment, low voltage panel etc....



Advantages

Localization Brand

Many cooperation options for boost your business success by a Localization partnership way on : Production line Build, Joint venture factory, Assembly line build, etc.. Win future

Quality Control

Own design half automation production line and ISO quality control system, Which products has own ID for information tracking.



R&D Capability

Rockwill gained many patent products on AUTO recloser, load break switch, ring main unit and distribution automation solutions.

Services

Quick response in 12 hours. Train and build local service team. Rockwill policy is every agent or representative is responsibility for aftersales and technical service.

03 Project

- **Outdoor switchgear-Outdoor SF6 circuit breaker-Automatic circuit recloser-On load break switch-Automatic Sectionalizer-Outdoor vacuum circuit breaker-Capacitor switch solutions-Solid vacuum load break switch**
- **Medium voltage switchgear- Air insulated switchgear- Gas insulated switchgear-Solid ring main unit -Ring main unit**
- **Switchgear components: Vacuum circuit breaker-SF6 load break switch-SF6 circuit breaker-Earth switch-Current/Voltage transformer-Bulk metering unit**
- **Power transformer and Distribution transformer - Step voltage regulator-Prefabricated substation**
- **Solutions for power and grid-Substation works -distribution line works-Small power plant-Smart grid system solutions**

Business Area

Countries

- Indonesia
- Philippines
- Brazil
- Ethiopia
- South Africa
- Tanzania
- Congo
- Yemen
- Kenya
- Cameroon
- Zimbabwe
-

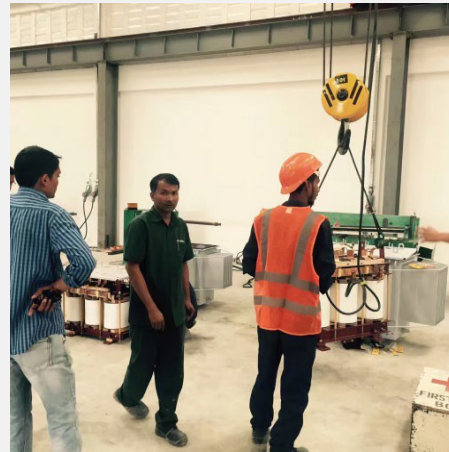


World Distribution

3.2

Overseas Joint Venture Factory

- **Establish JV transformer factory in Tanzania**



3.3

Overseas Joint Venture Factory

- **Establish JV the Africa Biggest Manufacturing Factory of Insulator, Fuse Cutout, Surge Arrester**



3.4

Project Cases

- **Pakistan -Substation -2016**



Project Cases

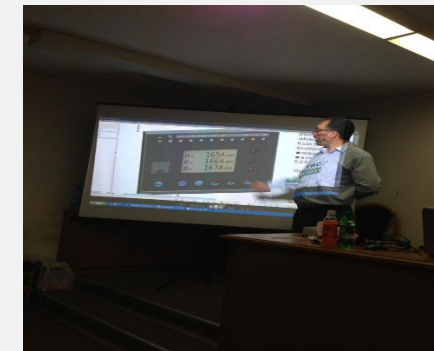
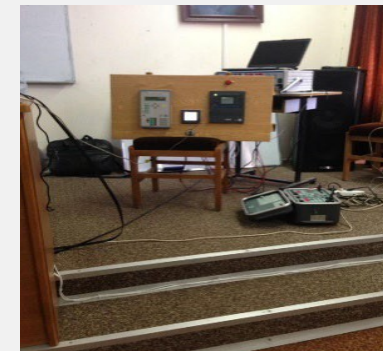
- 110kV Substation Completed in Afghanistan-2018



3.6

Project Cases

- **Supply of 66kV Line Protection Panels & 6.6kV High Voltage and Control Panels-2018**



Project Cases

- Distributed Photovoltaic Power Station**



Project Cases

- **Addis Ababa Transmission and Distribution System Rehabilitation and Upgrading Project ETHIOPIA-2022**



3.9

Project Cases

- **Installation of Frequency Converter at Wafra Joint Operations at Kuwait-2023**



3.10

Project Cases

- **Grid Connection of the 16.8MWp
Rooftop Solar PV on the LMI Mega Warehouse in Tema, Ghana-2023**



3.11

Project Cases

- **10MW Offshore Photovoltaic Boost Grid Connected System in Male, Maldives-2023**



- **UN POSTE DE REGLAGE 5 MVA-36/33 kV A TSHIBWE ET D'UNE LIGNE DE TRANSPORT 36 kV – 38 km TSHIBWE –MBUJI-MAYI ET DE LA SOUS-STATION 36/15 KV – 5 MVA DE BIPEMBA ET ELECTRIFICATION DES CITES DE BOYA, MIABI ET LUSANGA 36 kV – 38 km TSHIBWE at DRC-2024**



3.13

Events



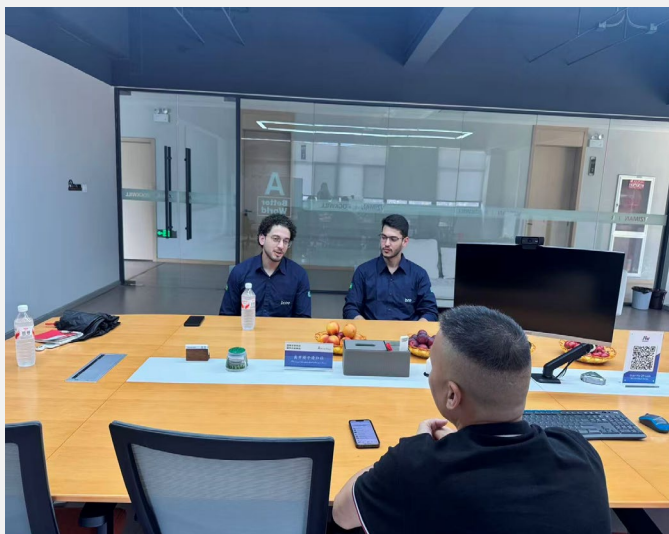
Clients from Bree



Clients at the Rockwill Headquarter



Customer from Argentina



Customer from Brazil



Rockwill Annual Conference



Customer from Egypt

3.14 FAT



04 Vision

Latest Target: Annual turnover reach 350 million in 2030.



In order to achieve this goals, we have to maintain a compound annual growth rate of 32%, so we take a series of measures to get it!



4.1

Rockwill Latest Five-Year Plan 2026-2030

R&D

We will spend at least 20% of our profits on upgrading our products and developing new products every year.

Production

**Refine production process to improve productivity.
Improving product quality control and delivery time control.**

Partner

Establish a professional training system for our partners.

Market

**75% Market share of Switchgear in Indonesia.
45% Market share of Transformer in Tanzania**

**Rockwell boost you success!
With better solutions for your Quality
Power and your business!**





Thank You!

www.cnrockwill.com