



SIMMU ENERGY INTERNATIONAL FZ-LLC



COMPANY **PROFILE**

SIMMU ENERGY INTERNATIONAL ...ADDING VALUE TO SOURCING



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MAKING **THE WORLD GLOW**

A multi-product, multi-technology company, run by most experienced, matured, seasoned techno-crafts and economists with **having more than 100 years combined experience in the field of Industrial Excellence, Manufacturing, Distribution, International Trade and Supply Chain Management**



“ It is the mission of the SIMMU Energy to be a Value Leader in every facet of its corporate activity through the integration of 'focus on customers' and 'high professional and technology standards' towards Entrepreneurial Excellence ”

The **SIMMU Energy International**, a Limited Liability Company, incorporated under the laws of United Arab Emirates (UAE), is a conglomerate of professionally managed companies with diverse business interests, reaching out to Customers in the remotest corners of the World.

A multi-product, multi-technology company, run by most experienced, matured, seasoned techno-crafts and economists with **having more than 100 years combined experience in the field of Industrial Excellence, Manufacturing, Distribution, International Trade and Supply Chain Management**, the **SIMMU Energy International** leads the market in various area, with technologically advanced products, business insights and sophisticated marketing skills that conform to International

Quality System Standard.

RESPONSE + ABILITY is the driving engine and ensures efficient and immediate response in terms of Information, Deliveries, After Sales Services, or any Specific development needs of its customers, Small or Big.

It is the mission of the **SIMMU Energy** to be a Value Leader in every facet of its corporate activity through the integration of 'focus on customers' and 'high professional and technology standards' towards Entrepreneurial Excellence.

SIMMU Energy has drawn up its agenda for growth and is all ready to take on the challenge of creating a global niche.



The company that is into shareholding, authorized representative & distributor of Original Equipment Manufacturers and raw material manufacturers worldwide to ensure high-quality and competitively priced products with most fastest possible delivery and lowest shipping time & cost which are extensively supplying from factories in India, Middle East, China, Korea, Taiwan, Turkey, Europe, USA, & Russia.

The objective of the SIMMU Energy is to provide its customers, service technology that translates to delivering the best value for money.

The SIMMU Energy strength lies in its sharp focus on its business area. The concentration of the company has been in being the one-stop solution and single supply source to Utilities, EPC Contractors and end-users of Power Generation, Transmission & Distribution and Automation; Oil & Gas; Steel & Steel based

industries; complete supplier to manufacturer of Tower & Steel Structures, Galvanized High Mast, Pole & Lighting, Transformers etc.

Our team has experience of marketing and exporting products in almost 40 countries; Projects worth Hundreds Millions Dollars related to Power Generations, Transmission, Distribution, and Automations has been completed in the last few years in Africa, the Middle East Region.

The company strives for an amalgam of total customer support and after-sales services, which shows in its abiding concern for Quality and Customer Satisfaction.

We believe that because we are in the business of Customer satisfaction, the secret of our success lies elsewhere in understanding and caring for our clients.



At SIMMU Energy, quality matters, and it's everyone's responsibility. We are committed to continually improving the quality of our products and services. And we deliver an exceptional customer experience by meeting requirements and embedding quality in everything we do.

Chief Operating Officer

It is the policy of SIMMU Energy to satisfy its customers by supplying products that fully comply with customer requirements.

The Company will continuously strive for recognition as a **“WORLD CLASS SUPPLY PARTNER”**, investing in training and development of its employees and maintaining a total quality culture.

Therefore, it is Company Policy to organize its systems of management so that they comply with the requirements of TQM, QMS, ISO 9001, 14001 & 18001 and involve every function and every individual in the pursuit of quality. All of its business

partners & product sources are World's largest manufacturing companies with ISO 9001, ISO 14001 and ISO 18001 certification and product type tested from independent labs & Internationally renowned like KEMA, CESI, CPRI, ERDA, ASTA, etc.


All personnel are required to comply with the quality policy, systems, and procedures and contribute to the effective working and continuous improvement of the Quality Management System and the business.

SIMMU Energy is the leading engineering and supply company, with specialization in the domain of Power and Energy, it includes LV, MV, HV, EHV Power Transmission Lines and Substation up to 765kV.

Our associated manufacturing units are equipped with most modern management techniques & excellent infrastructure with the latest technological equipment & software, and Infrastructure has enabled us to supply Material of transmission and Distribution Lines. The company's commitment towards Supplying superior quality products & never-ending quest for improvisation through innovative R&D has helped us to achieve the highest standards in all the departments.

SIMMU Energy aims to become a leading company internationally with our team of competent and knowledgeable professionals in the transmission & distribution industry. We are always striving for superior quality, economical cost solutions, time-framed delivery, and always ensuring the client's milestones in the completion of projects.

The one-stop solution for all your needs of Distribution & Transmission Line, Substation and BOP Equipments up to 765kV.



“ Our associated manufacturing units are equipped with most modern management techniques & excellent infrastructure with the latest technological equipment and software ”

“ With specialization in the domain of Power and Energy, it includes LV, MV, HV, EHV Power Transmission Lines and Substation up to 765kV ”

STEEL TOWERS & STRUCTURES & POLES

Our manufacturing capacity is the largest and among the top 10 in the World, ISO 9001 & 14001 certified, 295,000MT annual production facilities equipped with latest CNC punching/drilling machines, galvanizing bath, tower testing, and R&D station is offering end to end solutions and established quality assurance plan offering international standard quality Towers.

The Steel Towers are designed in lattice or polygonal types in accordance with customer specifications and the applicable international standards.

We undertake designing, manufacturing, testing and supply of Transmission and Distribution Tower, Substation Structure, Solar Structure, Railway Electrification Structure, Telecom Towers etc. Our Expertise to produce & supply up to 750kV towers in accordance with the applicable standards (ISO, EN, ASTM, CSA etc.) or customised standards.

Monopoles, Poles & Masts with 259ft. Max. Height, up to 500kV generally conforms to ASTM A572 Gr65 material with a high yield strength of 450 Mpa (65ksi) for shaft and ASTM A572 Gr50 material for base-plate with World-class manufacturing range.

We undertakes designing, manufacturing, testing and supply of Poles for Transmission & Distribution monopoles, Telecom monopoles, Steel Light Poles, Swages Poles, High Masts, Stadium

Masts, Flag Mast etc. Poles can supply in Painted or Galvanized as per project requirement.

Fasteners – All types of Industrial Bolts, Nuts, Washers, Screws from M4 to M200 dia, length 10mm to 1200mm in Mild Steel/Stainless Steel/Carbon Steel/Alloy Steel/Brass Material. High Tensile Grades are available in Black, Plated, or Hot Dip Galvanized Finish (treatment).

Products developed on customer's request SS/MS/Copper/Brass/Aluminum Sleeves, Spindles, Cotter Pin, D-Iron Pins, Taultit & Bull Dog Clamps, Stud Rods, Chain & Chain Shackles, etc. (as per customer's drawing/samples).

Our products available in all international standards IS/BS/DIN/ISO/AS/ASTM/ANSI/ASME/KS/JIS/drawing/Samples and in all material grades.





Our associate plant is one of the World's largest producers and global supplier of Conductors, Al. Clad Steel Wire and Galvanized Iron/Steel Wire in the World and producing all type of Conductors, ACSW and GSW for Overhead Power Transmission & Distribution; as per international standards like IEC, BS, ASTM, DIN, NFC, JIS etc.; with having type tested from internationally approved testing laboratories CESI, KEMA, EDF, CPRI, ERDA, NETFA, NSIC, TAG etc.



OVERHEAD LINE CONDUCTORS

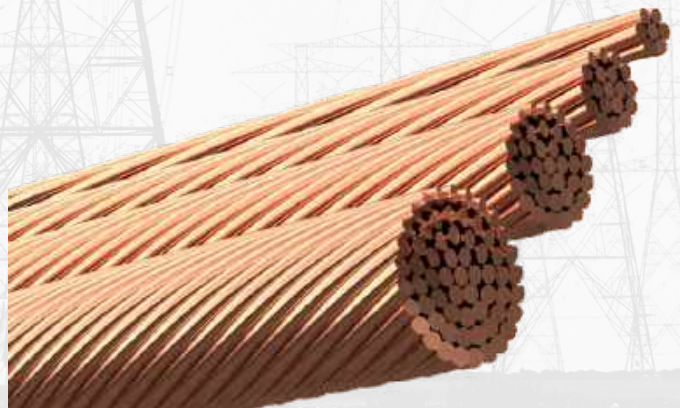
- ❖ All Aluminium Alloy Conductors (AAAC)
- ❖ All Aluminum Conductors (AAC)
- ❖ Aluminium Conductor Steel Reinforced (ACSR)
- ❖ Aluminium Conductor Aluminium Clad Steel Reinforced (ACSR/AW)
- ❖ Aluminium Alloy Conductor Steel Reinforced (AACSR)
- ❖ Aluminium Alloy Conductor Clad Steel Reinforced (AACSR/AW)
- ❖ All Aluminium Alloy Conductors (AAAC)
- ❖ Aluminium Conductor Alloy Reinforced (ACAR)

HIGH PERFORMANCE ALLOY CONDUCTORS FOR OVERHEAD POWER TRANSMISSION & DISTRIBUTION

- ❖ High Conductivity Alloy Conductors (AL 59, AL-57, AAAC 1120, etc.)
- ❖ High-Temperature Thermal Resistant Alloy conductors (TACSR, TACSR/AW, STACIR/AW, TACSR/TW)
- ❖ High Temperature Low Sag conductors (ACSS, ACSS/TW, GTACSR / GZTACSR etc.)

COPPER CONDUCTORS

- ❖ Bare Stranded Soft Drawn Copper Conductors (SDCC)
- ❖ Bare Stranded Hard Drawn Copper Conductors (HDCC)

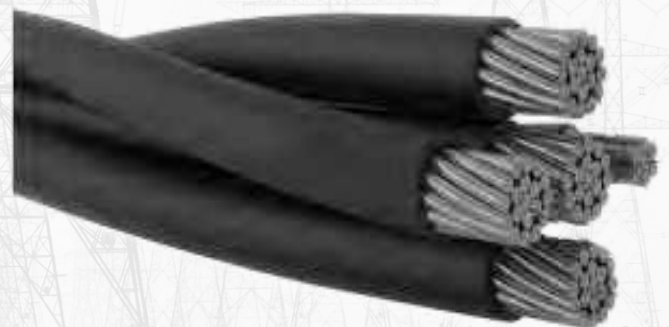




POWER & CONTROL CABLES – World's Leading manufacturer and supplier of a highly reliable range of Cables from 600/1100V to 220kV, with state-of-the-art manufacturing facility; providing an exceptionally durable range of cables to the clients at affordable price, the company has crossed many milestones of success in the domain. This premium range of Cables comprises

- ❖ LV/MV/HV/EHV XLPE/PVC Power Cable (up to 220kV),
- ❖ XLPE Control Cable,
- ❖ LV & HV Aerial Bunched Cables,
- ❖ Concentric Cables,
- ❖ Instrumentation Cable,
- ❖ Fire Resistant Cable,
- ❖ Fiber Optic Cable including Ribbon Cable,
- ❖ Jelly Filled Telecommunication Cable,
- ❖ Submarine & Underground Cables,
- ❖ Railway Signaling Cable,
- ❖ Solar Cables,
- ❖ Telephone Cable, and Flexible Cable.

AERIAL BUNCH CABLE (AB CABLE) - Aerial Bunched Cables manufactured by the company are meant for distributing LV & HV power in rural areas, hilly terrains, congested urban areas, theft-prone areas and/or as a replacement of bare conductors. In comparison to bare overhead power distribution lines, ABC has very high degree of safety and reliability in maintaining services because power and neutral conductors are insulated with the best dielectric medium. Tampering with power-line like hooking also gets eliminated, resulting in much more efficient utilization of power. These Aerial bunched cables are tested as per various quality standards like IS, IEC, BS, BIS, NFC etc.





OPTICAL FIBER GROUND WIRE (OPGW)

OPGW – Plant is fully equipped with the most advanced technology with state-of-the-art manufacturing facility is capable of producing full range of optical fibre cable.

Optical fiber ground wire (OPGW) protects high-voltage transmission lines as an aerial supporting line and is used as communications lines. Using heat-resistant silicon and heat-resistant tape, the ground wire is encased in the aluminum spacer and protected by the aluminum tube. The optical fiber grounds wire twist-paired with aluminum-clad steel wire satisfies all the mechanical, electrical properties of existing aerial lines. In addition, it guarantees stable operation even under extreme

conditions such as tropical storm, lightning, or any contingencies.

OPGW is mainly divided into Central Tube OPGW, Stranded Stainless Steel Tube OPGW, Central Al-Covered Stainless Steel Tube OPGW, Aluminum Tube OPGW, Lightning Resistant Central Stainless Steel Tube OPGW with compressed wires and OPCC.

All our OPGW Cable have type tested from International Independent test laboratory according to IEC, IEEE, BS etc.

INTERNATIONAL... ADDING VALUE TO SOURCING





COMPOSITE INSULATORS in the current scenario, are most advanced & popular. The Composite Insulators manufactured are of the rating up to 1200kV from 11kV with compliance of International Standard IEC, ANS, NFC, BS, IS etc. We have an extensive and diverse range of Composite Insulators which can be used for Transmission Line, Distribution Line, Substation and Railway. Our Insulators are tested and approved by all internationally accredited labs like KEMA, CESI, CPRI, ERDA, etc. Composite Insulators have several advantages over the conventional ceramic insulators like light weight, unbreakable, hydrophobic, resistant to ozone & UV radiations, resistant to earth quake shocks, self cleaning properties & resistant to vandalism. Our product range and supply :-

- ❖ Line Post Insulator
- ❖ Post Insulator
- ❖ Pin Insulator
- ❖ Suspension Insulator
- ❖ Deadened Insulator
- ❖ Railway Insulator



PORCELIAN INSULATORS – We have nations largest manufacturing unit of Porcelain Insulator producing from 10kV to 500kV for HV Overhead Lines as per IS, BS, IEC, DIN, ANSI, ALP, NEMA and other international standards. There are basically six (6) type of Insulators used in Distribution & Transmission Lines as

overhead insulation

- ❖ Pin Insulators
- ❖ Suspension Insulators
- ❖ Strain/Tension Insulators
- ❖ Stay Insulators
- ❖ Shackle/Spool/Groove Insulators
- ❖ Coach Screw Insulators



Pin, Suspension and Strain Insulators are used in medium to high voltage system. While Stay and Shackle Insulators are mainly used in low voltage application.

TOUGHENED GLASS INSULATORS provides the highest level of performance and long-term security for high voltage insulation.

It has many inherent characteristics that makes it suitable for MV, HV, EHV, HVDC application according to International Standards ANSI, IEC, NFC, GOST and CSA. Our manufacturing unit is among the world's largest manufacturing plant, producing from 15kV to 800kV, Standard, FOG and Ultra-FOG Glass Insulators with mechanical rating from 70kN to 840kN.





An experienced and reliable manufacturer of Hardware Fittings and Accessories for Pole Line, Distribution Line, Overhead Transmission Line and OPGW Cable. These fittings and Accessories are made of Aluminium, Copper, Steel, Plastic/Rubber etc. It is basically use as the connection among the Pole/Tower, Conductor, OPGW/Earth Wire, Insulators as well Railway OH Electrification.

Products are manufacturing and Type Tested as per International Standards like IEC, IS, ASTM, BS, DIN, NFC etc. Design and R&D are made in 2D and 3D using Auto CAD.

The one-stop solution for all your needs of Power Transmission & Distribution line fittings and hardware from LV Line to 765kV Lines. Backed by a team of experts and professionals from the field, with a proven track record for complete solution of

- ❖ Aerial Bunched Cable (ABC) Accessories (LV & HV),
- ❖ Pole Line & Distribution Line Accessories,
- ❖ Transmission Line Accessories (upto 765kV),
- ❖ Conductor & Insulator Fitting Accessories,
- ❖ OPGW and Helical (Performed) Fittings,
- ❖ Sub-station Clamps & Connectors,
- ❖ Galvanized Fabricated Steel Structures,
- ❖ Cable Lugs, Clamps & Connectors,
- ❖ Earthing and Lightning Protection Materials,
- ❖ Railway OH Electrification, etc.



“ The one-stop solution for all your needs of Power Transmission & Distribution line fittings and hardware from LV Line to 765kV Lines. ”

SWITCHGEAR PRODUCTS – In an electric power system, switchgear is used to control, protect and isolate electrical equipment. Switchgear is used both to de-energize equipment to allow work to be done and to clear faults downstream. This type of equipment is directly linked to the reliability of the electricity supply. By the early 20th century, a switchgear line-up would be a metal-enclosed structure with electrically operated switching elements, using oil circuit breakers. Today, oil-filled equipment has largely been replaced by air-blast, vacuum, or SF₆ equipment, allowing large currents and power levels to be safely controlled by automatic equipment. The technology has been improved over time and can now be used with voltages up to 1,100 kV.

We have widest choice of MV to UHV Switchgear products, including Gas Insulated Switchgear (GIS) and Dead Tank Circuit Breaker (DTB), apart from Low Voltage Panels to meet the requirements of power generation and distribution substation in utilities and industries. A wide choice of products designed and test compliance as per IEC, IS, ANSI, CSA, ENA, GB and other international standards

Product Range

Vacuum Circuit Breakers (VCB)

– one of the largest manufacturers for Outdoor Type up to 36kV, 2000A, 40kA and Indoor Type up to 40.5kV, 4000A, 50kA Vacuum Circuit Breaker. These VCBs designed to provide compact, reliable switching & protection solution for MV distribution system.



Gas Circuit Breakers – one of the largest manufacturers of SF₆ gas circuit breakers (GCB) with range of Indoor Type GCB upto 36kV, 2000A, 40kA and Outdoor Type GCB up to 765kV, 4000A, 50kA.

Gas Insulated Switchgear - as the World is moving towards highly compact and reliable power Transmission and Distribution equipment, GIS is emerging as the best solution for Power Transmission and Distribution. We offer the latest technology GIS. Together with complete conventional solutions, the use of digital protection and control technology, sensor systems and plug-in connections make it suitable for NextGen. The GIS comes



with flexible SF₆ gas-insulated modules of various Equipment to suit different network configurations up to 300kV, 4000A, 50kA as per IEC, ANSI, IS International Standards.

Ring Main Units is a factory assembled, metal enclosed set of switchgear used at the load connection points of a ring-type distribution network especially used in underground cable distribution network. Ring main units can be characterized by their type of insulation - air, oil or gas. Our RMU Product range is up to 36kV, suitable for Indoor and Outdoor installation, designed using latest technology, Compact, Easy in Installation & Operation; easily integration with automation/SCADA network.



Disconnecter Switch/Isolators – a **disconnecter, disconnect switch** or **isolator switch** is used to ensure that an electrical circuit is completely de-energized for service or maintenance. Such switches are often found in electrical distribution and industrial applications, where machinery must have its source of driving power removed for adjustment or repair. High-voltage isolation switches are used in electrical substations to allow isolation of apparatus such as circuit breakers, transformers, and transmission lines, for maintenance. The disconnecter is usually not intended for normal control of the circuit, but only for safety isolation. Disconnectors can be manual or motor operated.



We are broadest range of Disconnecter (**Double Break,**

“The purpose of auxiliary power supply systems is to cater for the necessary energy for the operation of primary and secondary devices at the substation.”

Centre Break, Pantograph, Knee Type, Vertical Break, Horizontal Break, Grounding Switch, Motor operative mechanism, etc.) supplier in the World with products ranging from 11kV to 765kV Disconnectors, Railway Traction Switches, Fuses, Earthing Switches, Bus



T r a n s f e r Contacts, and Motor Operating Mechanisms, used in various service areas, ranging from Testing Labs, Transmission Grids, Generation Yards, Industrial Customers.



Line Trap/Wave Trap - Line traps are used in transmission and distribution networks around the World. Line traps are a vital component in PLC (Power Line Carrier) systems used for remote control signals, voice communication, remote metering, and control between substations in the electrical T&D network. Our manufacturer unit has extensive experience in designing and supplying line traps for system voltages up to 800 kV.

namely the AC system and the DC system(s). The AC system normally operates with the country's standardized utility low voltage level, **for example 400 V 50 Hz**. Normal DC auxiliary supply systems in power substation are operating **either on the 110V or 220V level**, though lower levels exist. Some systems at the substation may require lower voltages as their auxiliary supply source.

Product Range

- ❖ Diesel Generator Sets (5kVA to 3000kVA)
- ❖ Batteries & Batteries Bank (Lead Acid, SMF-VRLA, Nickel-Cadmium)
- ❖ Battery Charger (Thyristor Battery Charger)
- ❖ AC & DC Distribution Boards
- ❖ Power Control Center Panel (PCC)
- ❖ Motor Control Center Panel (MCC)
- ❖ Control & Relay Panel (C&R) – up to 765kV Substation
- ❖ AMF Panel
- ❖ Auto-Synchronizing Panel

AUXILIARY POWER SUPPLY SYSTEM - The purpose of auxiliary power supply systems is to cater for the necessary energy for the operation of primary and secondary devices at the substation. The auxiliary power systems are normally divided in two categories,



SURGE ARRESTORS (PORCELAIN & POLYMER HOUSING) –

To protect electrical power system equipment from lightning and switching over voltages, surge arresters are used as a tool for insulation coordination. Our manufacturing unit is pioneer in the industry of Surge Arresters with complete range from LT to UHV Surge Arresters (0.5kV to 1200kV) – Station Class or Distribution Class. Distribution Arresters nominal discharge current 5kA or 10kA and mounted with support of mounting bracket. Transmission line arresters are designed with or without gapped configuration with disconnecting device is preferred. The designs are Type Tested according to International Standards IEC, ANSI-IEEE, BS, DIN etc. and also comply with customer standards.



FUSE CUTOUT (MV OUTDOOR) – Fuse Cutouts are using by all electrical utilities around the world today as its provide main or back-up protection against overload and over-currents on overhead distribution systems upto 38kV. We have Fuse Cutout in both current limiting and non-current limiting or Expulsion fuses with housing – Porcelain and Polymeric. Fuses are designed & tested according to International standards IEC, ANSI. Our advance designed supplied fuse cutouts provide higher reliability and safety.

“Our advance designed supplied fuse cutouts provide higher reliability and safety.**”**



AUTO-RECLOSER or AUTO CIRCUIT RECLOSER can use on overhead distribution line as well as distribution substation application upto 38kV power system with breaking capacity from 12.5kA to 31.5kA. ACR have two basic functions on the distribution system; reliability and overcurrent protection. Our made ACR are state of the art technology; easy integration with multiple controller, protection, measurement, communication, fault detection, on-line monitoring options. Our ACR meet all the requirements for outdoor use in accordance with IEC, ANSI.

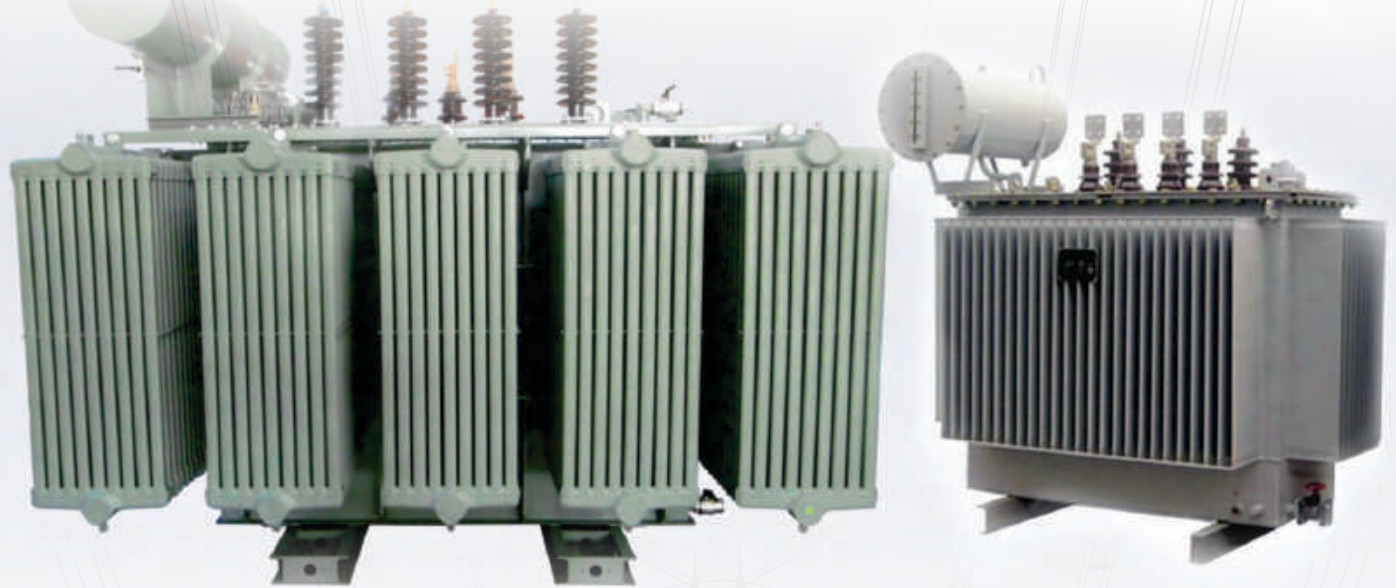


operating modes, capacity and functionalities and most of them can be configured to the desired number of counts as well as the amount of actuating current. Our made Sectionalizer are state of the art technology; designed & tested according to international Standards.

LOAD BREAK SWITCH can use on overhead distribution line upto 38kV power system. The Load break switches are used where full load operations are required very frequently. When a fault occurs and the main circuit breaker or nearest recloser trips off, the load break switch is able to open the line, isolating the faulted segment and allowing a quick service restoration in segments unaffected by the incidence. The load break switch enables the operator to directly disconnect the line for any maintenance work without disturbing the whole network as one does not need to trip the circuit breaker. LBS are available in two technology – SF6 and Air-Break; manual and motor-driven type. Our product is type tested in accordance with IEC or International Standards.

SECTIONALIZER, protective device that automatically isolates a faulted section of line from the rest of the distribution system. It is installed downstream of a MV Overhead feeder protected by a recloser/breaker. Sectionalizers are simple, flexible, convenient, safe and economical means of isolating faulty circuits. It is available in different





TRANSFORMERS AND REACTORS – Power Transformers facilitate the transmission of electricity from any part of the electrical or electronic circuit to the other. Generally used in high voltage transmission networks to step-up or step-down the voltages. We offer a complete range of Power & Distribution Transformers from our one of the Globe's largest state-of-the-art manufacturing plant for Transformers. The range of Power Transformers offered is from 25 kVA to 600 MVA, and 11 kV to 765 kV class, and Reactors from 10 MVAR to 125 MVAR, and 33 kV to 765 kV class. These products are designed, manufactured & tested to comply IEC, ANSI, IS, BS, NEMA and other international standards. We have in-house International Accredited Test Laboratory, apart from plant has ISO9001, ISO14001 and ISO18001 certifications. Each & Every component used in transformer undergoes series of stringent checks and controls at each stage of manufacturing. We ensure high-quality products and Customers Globally rely on the quality and reliability of our Transformers.

Product Range

- ❖ **Power Transformers** (up to 600MVA, up to 765kV, ONAN/ONAF/OFAP/ODAF, 3Ph or 1Ph)
- ❖ **Autotransformers** (up to 600MVA, up to 800kV)
- ❖ **Generator Transformers** (up to 600MVA, up to 800kV)
- ❖ **Reactors** (10 MVAR to 500 MVAR, and 33 kV to 765 kV class)
- ❖ **Rectifier/Mining Transformers** (1MVA to 20MVA, up to 52kV, ONAN/ONAF/OFWF)
- ❖ **Distribution Transformers** (up to 5000kVA, up to 36kV, ONAN/ONAF, Pole or Ground Mounted)
- ❖ **CSP Distribution Transformers** (up to 2500kVA, up to 36kV, ONAN/ONAF, 3Ph or 1Ph)
- ❖ **Amorphous Metal Distribution Transformers (ADMT)** (up to 2500kVA, up to 36kV)
- ❖ **Cast Resin Dry Type Transformers** (up to 10MVA, up to 36kV)
- ❖ **Earthing Transformers** (up to 1250kVA, up to 66kV)

INSTRUMENT TRANSFORMERS (MV/HV/EHV/UHV) – Instrument transformers are installed in AC circuits to convert large high-voltage currents into small low-voltage currents to conduct measurements. There are mainly two types of instrument transformers: voltage transformers (VTs) and current transformers (CTs). We have ability to design, manufacture and supply high-performance and high-quality complete range of Instrument Transformer from 11kV to 1200kV rating, Oil Filled Outdoor and/or Resin Cast Indoor/Outdoor in our product range. The product incorporate the best and most modern technology, to ensure a good quality product. All the instrument Transformers have been Type Tested and meet IEC, IS, BS, ANSI, DIN and other international standards. Instrument transformers have significantly contributed to the electricity boards and utilities across the globe. Several thousands of EHV Instrument Transformers have been put into service in various environments Worldwide and operating satisfactorily.



Product Range

- ❖ **Current Transformers (CTs)** - from 11kV to 800kV; Live Tank and Dead Tank Design
- ❖ **Potential/Voltage Transformers (PTs/VTs)** from 11kV to 36kV
- ❖ **Inductive Voltage Transformers (IVTs)** from 36kV to 420kV
- ❖ **Capacitive Voltage Transformers (CVTs)** from 72.5kV to 1200kV



SIMMU Energy is a fully integrated solar solutions provider from wafer to cell, module, systems, service, and training. Our sophisticated solar photovoltaic and solar thermal manufacturing units are ISO 9001 and ISO 14001. Our products and systems have been accorded approvals by various test agencies from India and Globally.

One of the largest in Asia, our state-of-the-art module manufacturing facility is capable of manufacturing modules from 0.3Wp to 320Wp, and beyond. The sophisticated solar cell manufacturing unit can process Amorphous Silicon Thin Film, mono and multi-crystalline wafers of 125mm² and 156mm². Our products are designed to the highest standards of quality, reliability and performance.

We provide customized solar solutions to illuminate homes, streets, and communities; reliable and cost-effective solar power is supplied to sectors ranging from education and banking to healthcare and telecommunications. We also provide specialized solutions for BIPV, hybrid systems, railways, defense, and offshore platforms. SIMMU Energy has the skills and capabilities to offer complete solutions for large, commercial solar power plants of the megawatt scale.

Our products meet international standards, including UL, IEC, ETL, CE, JET, JIS, CEC, FSEC, MCS, etc. required to sell our products across the globe.

Product Range:

- ❖ Solar Modules
- ❖ Solar Grids/Power Plants (Grid/Off-Grid)
- ❖ Rooftop Solar Systems (Residential, Commercial & Industrial, and Institutions)
- ❖ Solar Water Pumping Systems
- ❖ Solar RO Systems
- ❖ Solar Street/Garden Lights
- ❖ Solar Lanterns
- ❖ Solar Water Heating Systems



“Our products and systems have been accorded approvals by various test agencies from India and Globally.**”**

With the largest product portfolio in steel, we are largest steel exporter, shipping to Globally.

Steel is essential to our society. As a permanent material, steel is also fundamental to a successful circular economy. From transport systems, infrastructure and housing, to manufacturing, agriculture or energy, the industry is continuing to expand its offer of advanced high-strength steel. Steel will continue to be the backbone and enabler of society's evolution and progress. It will make the world a better place to live.

With the largest product portfolio in steel, we are largest steel exporter, shipping to Globally. All types of commercial and industrial grade Steel Flat Products and Long Products conform to specified IS, BS, ASTM, ANSI, JIS/KIS, API, AS, CSA, DNV, UL, Lloyds standards varied applications relating to structural use to Oil & Gas, Power Transmission & Distribution, Irrigation drainage & water supply to Industrial applications.

Product Range

❖ HOT ROLLED COILS/SHEET

Coils – up to 16mm Thickness x 1830mm Width, Coils ID : 760/850mm, Coils OD : 2300mm Max.

Sheets – up to 10mm Thickness x 1400mm Width x Length 4500mm



❖ COLD ROLLED COILS/SHEET

Coils - up to 2mm Thickness x 1620mm Width, Coil ID : 510/600mm, Coil OD : 2200mm Max.

Sheets - up to 2mm Thickness x 1500mm Width x Length 3600mm

❖ GALVANIZED COILS/SHEET

Coils (Plain) - up to 2mm Thickness x 1220mm Width, Coil ID : 510/600mm, Coil OD : 2200mm Max.

Sheets (Plain) - up to 2mm Thickness x 1250mm Width x Length 3600mm

Sheets (Corrugated) - up to 2mm Thickness x 910mm Width x Length 3600mm

Varied applications relating to structural use to Oil & Gas, Power Transmission & Distribution, Irrigation drainage & water supply to Industrial applications.

All types of commercial and industrial grade Steel Flat Products and Long Products conform to specified IS, BS, ASTM, ANSI, JIS/KIS, API, AS, CSA, DNV, UL, Lloyds standards.



❖ **PLATES** - up to 125mm Thickness x 3200mm Width x Length 12000mm

❖ **SEMI STEEL**

Billets (up to 350x350mm, 12Mtr, HT & MS Grade)
Blooms (up to 320x320mm, 12Mtr, HT & MS Grade)
Slabs (up to 320x1500mm, 12Mtr, HT & MS Grade)

❖ **STRUCTURAL STEEL**

Angles (MS/HT Equal Angles up to 300x300mm x25mm;
Un-Equal Angles up to 150x115mm x12mm)
Channels (up to 400 x 100 x 10mm)
Joists/Beams (up to 600x210mm x12mm)
Broad Flange Beams (up to 200x200mm)

❖ **BARS, RODS & REBARS**

TMT Rebars (up to 50mm Dia; YS : 650MPa; UTS : 800MPa)

Wire Rods (up to 30mm Dia; Coil ID 850/900mm, OD 1250mm)

Squares (up to 300mm with any thickness)

Rounds (up to 250mm)

Flats (up to 300mm with any thickness)

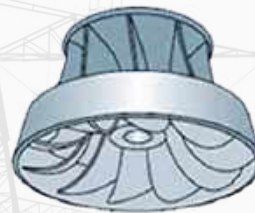
❖ **PIPES & TUBES**





We are specialized to supply equipment of Power Generation (by Gas, Steam, Small Hydro, Coal/Thermal, Diesel/HFO etc.) and Balance of Plants conform to all International standards including but not limited to IEC, ANSI, ASTM, API, BS, NFC, DIN, CSA, DNV, UL, Lloyds for

- ❖ Gas Turbine
- ❖ Steam Turbine
- ❖ Stream Generators
- ❖ Turbo generators
- ❖ Diesel/HFO Generator Sets
- ❖ Air Preheaters
- ❖ Electrostatic Precipitators
- ❖ LV & MV Switchgears
- ❖ Fans
- ❖ Boilers
- ❖ Soot Blowers
- ❖ Pulverizes
- ❖ Pumps
- ❖ Valves
- ❖ Seamless Steel Tubes and Piping Systems
- ❖ Control Relay Panels & Automations (SCADA, PLC)
- ❖ Fabric Filters



FRANCIS



FIXED PITCH PROPELLER



PELTON



KAPLAN



TURBO



CROSSFLOW



Our manufacturing associate is a leader in the manufacturing and global distribution of products to the Oil & Gas with more than 99,000 product lines inventoried products/equipment with the presence of over 136 countries around the World. Given this extensive inventory, we can supply the entire range of products for all seismic, drilling, exploration and production operations in the Oil & Gas Industry in addition to the refinery industry likes:-

- ❖ Drilling Equipment
- ❖ Oil Field consumables
- ❖ Safety and Protection Equipments
- ❖ Welding Equipment & Consumables
- ❖ Compressors and Pumps
- ❖ Paints & Coatings
- ❖ Assorted Tools
- ❖ Steel pipes and Fittings
- ❖ Fitting & Flanges
- ❖ Valves & Valves Automation
- ❖ Mechanical and Electricals supplies
- ❖ Oil field Drilling Chemicals and Mud's
- ❖ Laboratory, Measuring and Testing Equipments



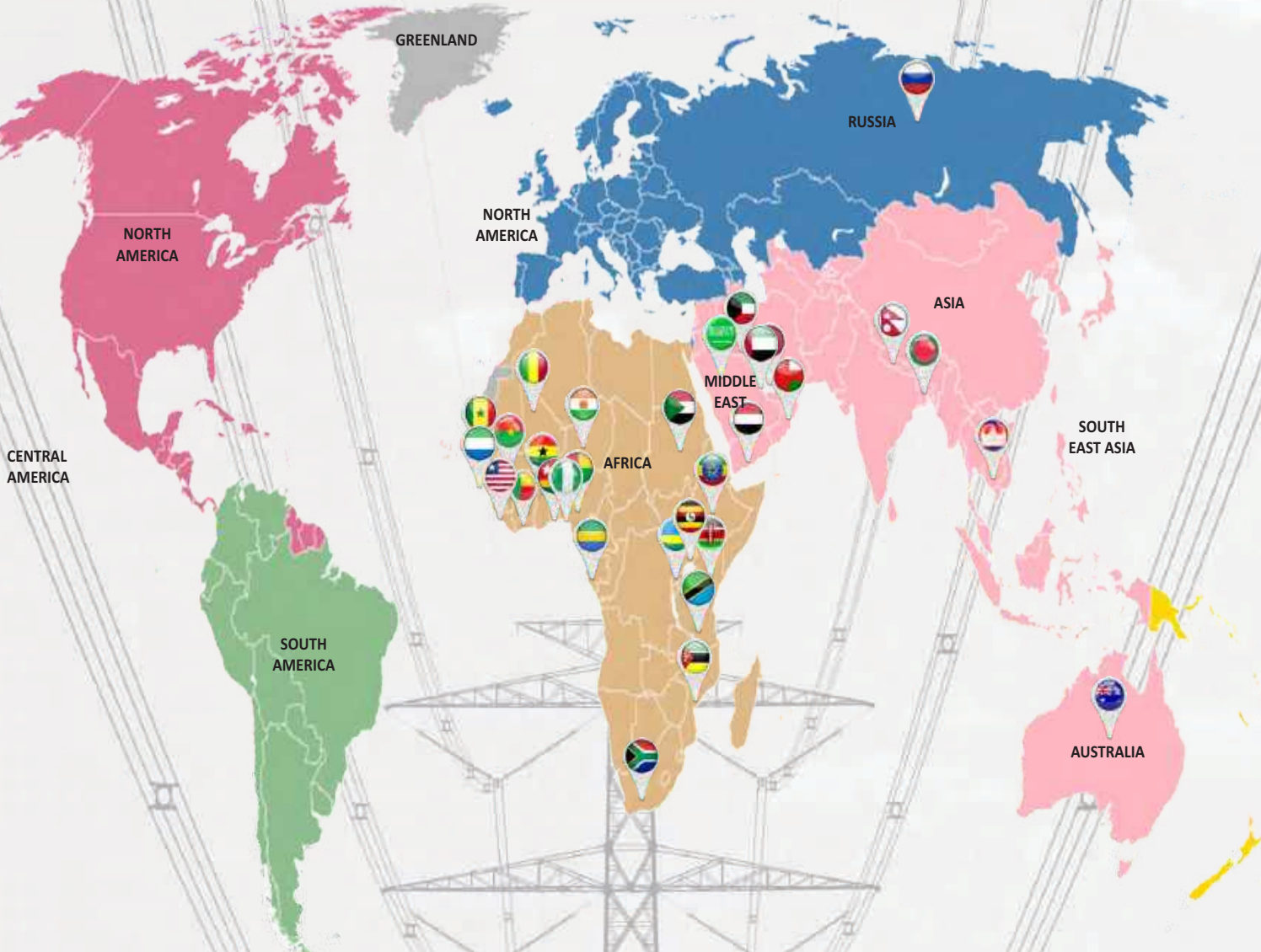
COMPETENCES

- ❖ An experienced, innovative and professionally qualified team
- ❖ 100 years of combined experience in the industry
- ❖ Technical support from different service activities, from various world renowned manufacturers
- ❖ Integrated Management System Policy

ADVANTAGES

- ❖ Technologically Advanced Product from Globally
- ❖ Environmentally Friendly Products
- ❖ Minimized risk of failure/rejection
- ❖ Cost-Savings for customers
- ❖ Investment Pay-Offs
- ❖ Excellent after-sales support

“ Technical support from different service activities, from various world renowned manufacturers ”



Experience of marketing and exporting products in almost 40 countries; Projects worth Hundreds Millions Dollars related to Power Generations, Transmission, Distribution, and Automations has been completed in the last few years in Africa, the Middle East Region.





Producer and Supplier of

Power Generation, Transmission, Distribution and Automation Equipment upto 765kV

(i.e. Conductor & Cables, OPGW/GSW, Insulators (Polymeric/Porcelain/Glass), T&D Line Hardware & Pole Line Fittings, Lightning Arresters, Fuse Cutout, Auto-Recloser, Sectionalizer, Load Break Switches, RMU, Power & Distribution Transformers, Instrument Transformers, GIS/AIS Switchgears, Panels, Generators and Invertors, Battery & Battery Banks etc.)

Solar Module, Systems & Lights

Steel and Fabricated Steel Structures, Towers & Poles etc.

Gas & Oilfield Equipments



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