



حلول خط الطاقة

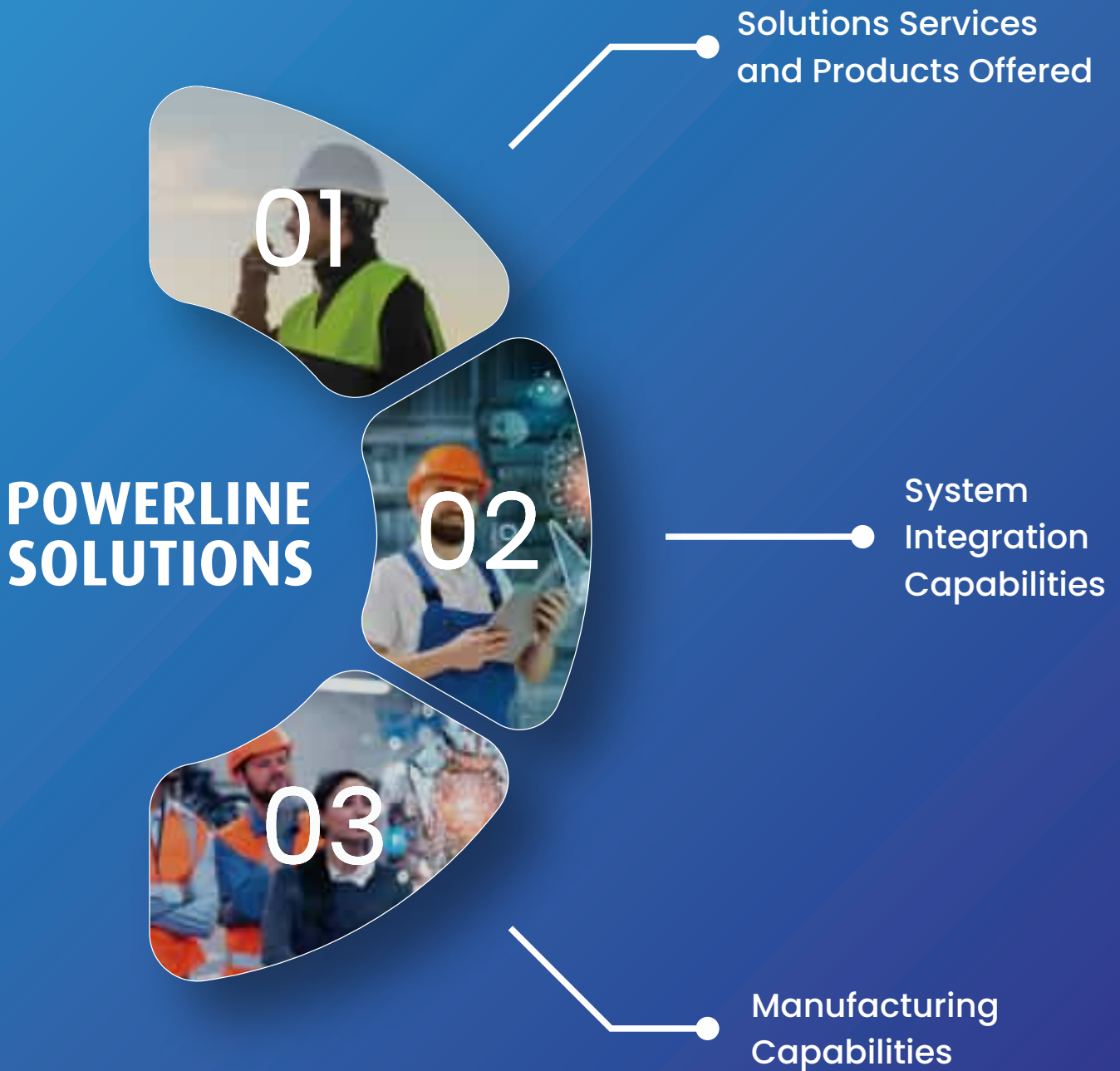
POWERLINE SOLUTIONS

ENERGY BUSINESS UNIT

www.powerlinesolutions.com

Commencing its journey in 2007, Powerline Solutions has set the standard for excellence in niche industrial segments, leveraging our expertise and in-depth knowledge. With a proven track record spanning almost two decades in the Saudi Arabian market, we have successfully completed several projects in core industrial segments, with the majority characterized by their challenging nature.

At **Powerline Solutions**, we are founded on the principles of leadership and impeccable commitment to our values, which form the bedrock of our operations. Our core values include Ethics, Safety, Quality, Environmental Integrity, Rigorous Training & Employee Welfare.



Solutions Services and Products Offered:



▲ EPC Projects

▲ Supply of Specialized Equipment & Solutions: We provide a comprehensive range of

- Mechanical Equipment
- Power Transformers
- Switchgears & Protection Upgradation
- Health care systems equipment & solutions.
- Electrical Equipment & Solutions
- Power Quality Devices & Solutions
- Instrumentation Devices & Solutions
- Power Backup Solutions

▲ Expert Service Team: Our highly competent & factory trained service team is equipped to handle any challenges in

- Static & rotating Mechanical Equipment
- Power Transformers
- Industrial Backup Power Systems
- Instrumentation & Control Systems
- Power System Protection
- Industrial Drives
- Power Quality Services
- Health Care Systems

System Integration Capabilities:



- Analyzer shelter & sample handling systems.
- Containerized Emergency Power Backup Solutions.
- Containerized Modular RO Packages & Modular Sewage Treatment Plants
- Modular Engineering packages for process cooling systems, chillers & chemical dosing skids.

Manufacturing Capabilities:



- All types of gas detectors, flame detectors, alarms & controllers.
- Critical control valves for industries such as Oil and Gas, Petrochemicals, Power, Water, Wastewater, Submarine & Cryogenic applications.
- Electrical Panel enclosures & special application switchgear components.
- Diverse range of polymer & rubber products.

Partner with Powerline Solutions for impeccable commitment, unparalleled expertise, reliability, & innovation in industrial solutions & services. Let us empower your success.

ENERGY BUSINESS UNIT

- ▶ Undertaking EHV Power, Oil and Gas, Utility Projects
- ▶ Power Plant and Substation Installation, Pre-Commissioning, Commissioning, Testing, Maintenance and Service
- ▶ Generators, Transformers, GIS & AIS Switchgears, Protection Relays, Auto Recloser, Circuit Breakers, Motors, MCC's, VFD, DCDB, ACDB, Battery Banks, UPS, etc..
- ▶ Supply and Services of all Electrical Equipment's EHV/HV/MV/LV with standards of IEC, IEEE, ANSI etc..
- ▶ Services for Retrofit and New Projects
- ▶ Supply and Service of HV/EHV Transmission Line Accessories.
- ▶ Telecommunication for Power Services



Solutions & Products

S.I No	Supply Products
1	Transformers upto 380 kV, 750 MVA
2	Switchgears and GIS upto 380kV
3	Mobile Substation up to 67 MVA / 132 kV
4	GIB Adaptor up to 380 kV
5	Circuit Breakers, CT, PT, Bushing Insulators
6	Generators, Motors, Surge Arrestors
7	Spare Parts for Substation, Transformers, Reactors
8	Digital Fault Recorders
9	Fire Protection, Fire Suppression System

All these products are designed and manufactured in compliance with latest IEEE, IEC, SEC standards.

S.I No	Telecom Supply Products
1	SDH Transmission, Materials Supply, Installation & Commissioning
2	OTN Structures, Materials Supply & Installation & Commissioning
3	Fiber Optic Cable Supply, Installation, Splicing & Testing
4	Telecommunication For Power Services
5	Engineering & Procurement Services For Power Sector
6	V-SAT & Microwave installation & commissioning



Services

We are able to undertake complete turnkey projects involving design, engineering, procurement, quality management, factory inspection, testing, delivery to site , assembly, oil filtration, testing , commissioning of the equipment etc.

| Design

- Designing of Transformer in collaboration with manufacturer.
- Designing of Switchgear in collaboration with manufacturer and modification.
- Design & Engineering of Digital Fault Recorder.
- Design and Engineering of new substation project.
- Design and engineering for Retrofit project of Protection relays replacement with related telecommunication works.



| Assembly and Installation

- Installation of Power Transformer and Switchgear.
- Installation of New Control & Protection , Telecom panels.
- Installation of Motor and Generator.
- Assembly and Installation of GIS, LCC panels with Interfacing to Existing live panels up to 380KV.



| Testing & Commissioning Services

- Testing & Commissioning of Power plant Indoor/Outdoor Substation upto 400kV.
- Testing & Commissioning of Power Transformer upto 500MVA.
- Testing & Commissioning of equipment such as CT,PT,CB, Control & Protection Relay.
- Testing and commissioning of ACDB, DCDB, Battery charger.
- Testing & commissioning of RMU/LBS.
- Testing & commissioning of telecommunication including V-SAT Microwave, FOC, UTP.



Some Ongoing Major Projects

- Supply, Installation, Testing of 8-Units of 40 MVA Transformers and 1 unit of 100 MVA Transformer for Saudi Electricity Company
- Supply, Installation, Testing of 14 -Units of Transformers for Saudi Electricity Company
- Supply, Installation, Testing of 3-Units of Transformers for Saudi Electricity Company
- Supply, Installation, Testing and Commissioning of 52 over current & 22 differential relays in Dammam Area at 69/33/13.8 KV at Saudi Electricity Company substations

- Supply, Installation & Commissioning of 3 Phase SF6 Gas Insulated Adapter
- Supply, Installation, Testing & Commissioning of 16-unit of Line differential relays & Jungle –Mux TNIU data card in Jubail Area at 230/34.5 KV substations for Saudi Electricity Company
- Supply, Installation, Testing and Commissioning with Installation of V-SAT & Microwave network for Digital Fault Recorders project in Riyadh & Qassim Area 30-substaions for Saudi Electricity Company



Some Major Projects Completed

- Supply, Installation, Testing and Commissioning of 12 Units of Transformers 13/20MVA, 33/13.8kV for Saudi Electricity Company
- Supply, Installation, Testing and Commissioning of Reactor 120 MVAR & 60 MVAR 380 kV at Yanbu SS Saudi Electricity Company.
- Supply, Installation and Commissioning of 380kV, SF6 Gas Insulated Adapter to Saudi Electricity Company
- Supply of Line Reactor (36 kV,69 MVR, 1501A) to Saudi Electricity Company



Some Major Projects Completed

- Replacement job of 230/69/13.8kV, 135/180MVA Transformer at Qatif BSP

Swapping between (1) one 230/69/13.8kV old transformers type ASEA including all parts and transformer oil with (1) one 230/69/13.8kV, 135/180MVA new transformers type Hyosung from temporary foundation to permanent foundation at Qatif BSP, Dammam, Saudi Arabia Energized and handed over to SEC.



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