



EleNet Engineering Solutions

The way of success



www.eenet-eng.com



Plot-91, Sindh small industries,
Northern Bypass, Karachi

ABOUT US:

EleNet Engineering Solutions is a privately owned Company engaged in the Design, Manufacture, Installation, Commissioning, Testing & Maintenance of Low Voltage Switchgear, Control Panels and providing EPC solutions in Electrical Power, Automation, Scada Control & Grid Control System.

We are the team of multi-disciplined professionals having the knowledge, experience and resources for planning, designing, managing and implementing the projects, including manufacturing and execution works strictly in confirmation with latest specifications, codes and standard.

We pride ourselves on being at the forefront of the latest technologies, by utilizing new products to achieve energy savings, closer control and immediate feedback to allow for continuous improvement in the whole system.

We also pride ourselves for client retention, which is evident from the repeat orders we get. We have responded promptly and efficiently to client needs with quality services and solutions.

Vision, Mission & Values

VISION:

We aim to become a leading player in the electrical manufacturing and Services industry with unique attributes characterized by quality products and services, excellence in practices, and values that nurture human potential.

MISSION:

EleNet Engineering Solutions is committed to provide good quality & wide range of electrical products and services which are reliable, safe, environmentally friendly and competitively in priced. We focus on human resource and technology integration which guarantees exceptional standards.

VALUES:

“The organization’s beliefs and principles that articulate the desired culture of the organization. These standards describe how employees and the organization are expected to behave internally and externally. They serve as the basis for decision-making and influence actions in everyday situations”



VISION & MISSION

Honesty:

Honesty in communicating within the Company and with our business partners, suppliers and customers, while at the same time protecting the Company’s confidential information and trade secrets.

Excellence:

Excellence in high-quality products and services to our customers.

Consistency:

Consistency in our words and deeds.

Compassion:

Compassion in our relationships with our employees and the communities affected by our business.

Teamwork:

Teamwork to synergize for achieving strategic objectives

Innovation:

Innovation to create value and sustain competitive advantage.

Our Product & Solutions

We specialize in Low Voltage Switchgear, Control gear and providing EPC solutions in Electrical Power, Industrial Automation, Scada Control & Grid Control System and consistently reputed services while maintaining the highest level of professional integrity and by providing cost-effective engineering solutions. This established consistency with professional reputation for the company and develop a high level of confidence with our clients respectively.

The major areas where we deal are listed below:

- LV Switchgear & Control gear Panels
- Remote Server Panels
- Grid Control and Protection Panel up to 500KV
- Smart Switchgear Panel
- Busway System (Local & Type Tested)
- Industrial Automation Solutions
- Substation Automation
- SCADA & DCS control system
- Energy Monitoring & Management System
- Synchronization & intelligent load management systems
- MEP Contracting
- Field Services & Projects Execution
- Retrofitting, Up gradation & services solutions
- Operation and Maintenance

LV Switchgear & Control gear Panels

"Manufacturing as per International standards"

With the perfect combination of industrial products, an experienced team and a reputable name for engineering and project management, we shall be happy to offer our ideal solution for power supply, distribution networks and protection be it standardized or customized.

- Power Panel from 100A to 6300A
- Main Distribution Panel
- Sub – Main Distribution Panel
- Motor Control Center (DOL, ASD, VFD & Soft Starter)
- Feeder Pillar Panels
- ATS / AMF Panels
- Grid Control Panels
- Generator Synchronizing & load sharing Panels
- Power Factor Improvement Panel
- PLC & Scada Control Panel
- Cable Tray System



Busway System (Local & Type Tested)

To meet your entire range of power delivery needs, we EleNet Engineering Solutions offer Bus tie duct systems from 250A to 6300A made with 99.99% pure & tinned copper. All copper work is punched and formed using automated machinery to standardized design, quality and torque of all connections is carried out under strict guidelines using calibrated equipment.

We specialized to Design, Supply, Installation, Testing & Commissioning of Busbar Trunking system on turnkey basis.

We offer two different types of Bus tie duct systems.....

Non-segregated or local manufacured busway

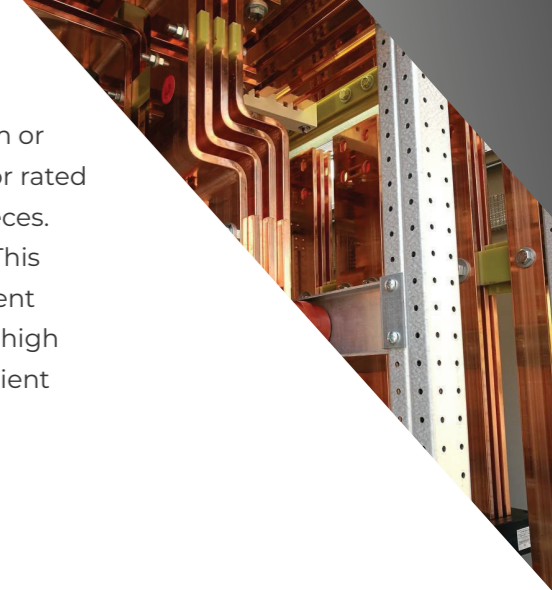
It has copper phase bars located in one enclosure separated by air and epoxy insulation. Environmental ratings include indoor, outdoor and dust tight. Housing or enclosure material can vary Mild steel. Capable of providing low voltage solutions, non-segregated phase bus duct is well suited for harsh environments.

Sandwich-style busway

It has phase bars stacked together inside a non-ventilated aluminum or steel enclosure. This busway can be indoor, sprinkler proof or outdoor rated and can be used for delivering power between gear using feeder pieces. Additionally, tap-off locations can be provided on the busway itself. This style is called plug-in busway and is typically used to power equipment below the busway. Capable of providing high ampacity with equally high short-circuit withstand ratings, sandwich-style busway is a cost-efficient solution in multiple markets.

Core features

- Lightweight and compact design provides for easy installation.
- Reduce installation costs and improve reliability with a simplified design compared to cable solutions.
- Maximize conductivity with a design that incorporates bare or tin-plating copper bars.
- Coordinates with LV switchgear, Transformer and connecting up multiple switchgear Panels.
- Housing is combined with a true sandwich design in both plug-in and feeder busway, contribution to improved coordination and high short-circuit ratings.
- Epoxy insulation process ensures optimum conductor and system protection.
- All bus plugs are polarized to prevent improper installation.
- Voltage drop is much lower than the equivalent cable and conduit allowing a more efficient use of energy.
- Minimize the risk of problems in harsh environments with a durable, baked-on epoxy powder coat finish.



Scada & Dcs Control System

EleNet Engineering Solutions specializes in the design, build, and integration of custom SCADA systems for a broad range of industries and applications, including water/wastewater, municipalities, food and beverage, Bio-tech, and more. Our engineering team has hundreds of combined years of experience implementing PLC-based SCADA solutions and can provide full project services, including system planning and analysis, hardware and software configuration, PLC programming, communication network design and integration, control panel manufacturing, system commissioning, documentation, troubleshooting, and maintenance.

We develop supervisory control software with well-structured code to simplify future feature additions and updates. Our software UI is designed with ease-of-use in mind, which results in clean and consistent interfaces that reduce distractions and help you focus on the important information.



Features & Integration Services

- AFF (Auto Fuel Felling Panel)
- Load Management Panel
- SCADA Panel
- Master Control Panel
- Smart MCC Panel
- PLC Control Panel
- Server Panels

Energy Monitoring & Management System

One of the aims of energy monitoring system is to provide various organizations, especially companies with large energy consumptions, with a monitoring tool to reduce their energy expenses. In most cases, the information available from the main electricity meter does not allow verification of the accuracy of the data on the electricity bill or even the identification of major energy consumers inside firms and companies.

Our Energy Monitoring solutions keep you well-informed of how much power you use, what your major loads are, when you use electric power the most, how much you pay for it, and the quality of the power you use. The combination of hardware and software products enables to improve your equipment productivity and life, reduce your power use and its costs, and increase your company's profits.



Key Features

- Easily identify saving opportunities
- Class-leading energy monitoring solutions
- Real-time data monitoring
- Multi-channel metering hardware and supporting by proprietary software
- Multi source monitoring (gas, electricity, water and Air etc.)

With the help of our EMS, you can measure

- The energy flows from different sources
- Full integration with existing building engineering systems
- Remote monitoring
- Configurable and programmable hardware components
- Measurement and verification opportunity
- 24x7 minute-by-minute monitoring.



Industrial/Power Automation Solutions

The rapid evolution of technology in industrial automation systems requires tighter integration between devices on the plant floor and the rest of the enterprise. This integration requires a secure network infrastructure, smart devices for efficient data collection, and the ability to turn data into actionable information. The integration of control and information across the enterprise enables our customers to optimize their operations by connecting the plant, site, facility, and people.



We deliver industrial automation and control through our control systems, motor control, and smart devices portfolios. The combination of these platforms is architected and designed to help you build the most efficient industrial automation system to meet your needs.

We offer scalable, future-proof, solutions built on contemporary technologies to help you to build a real-time, secure infrastructure that will help you deliver the most impactful results.

Field Services & Projects Execution

Our dedicated team of engineers and professionals is prepared to provide wide range of services which include installation, testing and commissioning of engineered equipment and the following...

- Installation and services of low voltage Distribution & Control Panels
- Installation and services of field & substation equipment
- Installation, laying & Termination of Power and Control Cables
- Installation of Cable Trays.
- Installation of Bus Bar Trunking systems
- Installation & energization of Solar Systems
- PV-Diesel Hybridization systems
- Maintenance and services of LV and MV system
- Retrofitting work for LV,MV and HV solutions
- Audit & Services of Power Quality Analysis Energy Audit



we have the competence, ability, experience, and resources to handle the needs of today's fast track projects in project management, installation, commissioning, and final handover. Our efficient coordination guarantees that the projects run smoothly from start to finish.

Our engineering team work with precision and close co-ordination to ensure the best fit is achieved to the full satisfaction of the clients and the consultants. With our reliable, high-quality and timely completion of work, we have carved out a niche for excellence and for providing the best value-engineered solutions.

In all stages of the project, we utilize the most up-to-date management practices for project implementation, quality assurance, and extensive use of control and information systems. Our services are dedicated to maximizing productivity while also ensuring quality, workplace health and safety, and environmental protection.

