

eAxis Power Technologies





About Us

E-Axis Power was incorporated in 2016 by a team of technocrats with a cumulative experience of over 25 years in the domain of Electrical Consultancy. E-Axis Power provides Industrial and Commercial Installations, Maintenance and Service for a broad range of public and private sector clients. Our services range from general lighting and power through to major switchboard and electrical upgrades, in addition to communications, data and advanced integrated installations.

E-Axis Power is involved in Design, Manufacturing, Testing and Supply of Electrical Control Panels, Power Distribution Boards, Motor Control Centers, Bus ducts, Cable Trays, Bus Trucking Systems and Electrical Poles for Street & Industrial Lighting.

Extensive Knowledge of the industry enables us to deliver customized solutions for all our clients. The team at E-Axis Power is flexible to adapt to varying needs of its clients. Ever since its inception, E-Axis Power has executed project ranging from simple to complex projects with great success.

E-Axis Power will strive to be a preferred supplier of electrical equipment by consistent focus on technology, quality and superior customer response and an excellent project management consultant by virtue of the vast man power expertise in various realms of electrical engineering. Successful execution of several projects has helped company gain in confidence to undertake bigger projects. E-Axis Power is flexible to adapt to varying needs of its customers. Process driven approach and knowledge retention are the key to successful execution of projects. The testimony to this is the repeatability of business over a period of time.

E-Axis Power can provide you with consultancy services in the following areas:

Feasibility Study	Co-ordination	Project Electrification
Plant Layout Engineering	Project Management	Automation & Controls
Detail Engineering	Testing & Commissioning Support	Utilities
Procurement Support	Troubleshooting	Safety Procedures Support
Product Selection / Hook Up	Optimization & Stabilization	Plant Audit
Project Scheduling	Project Eng-Checking & Validation	Co-ordination with Civil / Mechanical
Energy Management	Energy Audit	Energy Solutions
Plant Electrics Estimation	Plant Lighting	Metro / Rly Electrics

Vision

E-Axis Power Technologies will be recognized as a world class leader in Electrical Engineering Services and Consultancy supporting a diverse range of industries. We will add significant value to our customers business through high quality products and services, by orchestrating our processes and resources, guided by our values and focus and repeatability model.

Mission

To be a global group offering value creation opportunities for all our stakeholders in our chosen areas of competence. To achieve this E-Axis Power Technologies will partner with each customer to provide the ideal solution and added value through the highest quality production, reliable delivery, and enhanced product development for the success of the customer.



Construction of Electrical Sub Stations

Design to Commissioning of Substations of ratings upto 220 kV. The scope of the services broadly covers Soil Investigation, Structural Foundations-cum-Construction, Supply and Installation of Equipment, Earth Mats, Cable Duct Runs, Control Rooms, Approach Roads, Culverts, Switch Yards, Fencing, Terminal Bays, Installation and Testing of Power Transformers, Breakers, Isolators, CT/PT, Lightning Arrestors, Control and Relay Panels, Battery Banks, Yard Lights and Air Conditioning of Control Room.



Plant Electrification Services

We are committed to providing Quality Product and Services to the Customers for Plant Electrification services. The Plant Electrification work covers Conceptual studies and detailed Engineering, Electrical Schemes and Single Line Diagrams, Sizing and Selection of Electrical Equipment, Metering and Protection Schemes, Indoor Switch gear distribution Boards and Cubicle, Control, Indication and Alarm Annunciation System, D.C. Control Power Supply Equipment, AC Auxiliary Power Supply Equipment, Optimized solutions for the selection of the plant automation system.

E-Axis Power undertake total electrification of process plants such as Paper Mill, Sugar Mill, Bio-mass generation plants etc.

Typical Services include:

- Conceptualisation, Design, Engineering procurement, erection, testing and commissioning
- Sub-Station in co-ordination with local utility
- Associated transmission / distribution line to supply / evacuate power
- HT/LT distribution of power inside the plant premises
- Load centers
- Area and Street Lighting



Industrial Energy Audit

Energy Audit provides the vital information base for overall energy conservation program covering essentially energy utilization analysis and evaluation of energy conservation measures. Energy Audit attempts to balance the total energy inputs with its use and serves to identify all the energy streams in the systems and quantifies energy usage's according to its discrete function. Energy Audit helps in energy cost optimization, pollution control, safety aspects and suggests the methods to improve the . operating & maintenance practices of the system.

Typical Services include:

- ☛ Identifying the quality and cost of various energy inputs.
- ☛ Assessing present pattern of energy consumption in different cost centers of operations.
- ☛ Relating energy inputs and production output.
- ☛ Identifying potential areas of thermal and electrical energy economy.
- ☛ Highlighting wastage's in major areas.
- ☛ Fixing of energy saving potential targets for individual cost centers.
- ☛ Implementation of measures for energy conservation & realization of savings.
- ☛ Analysis of energy usage within a building or facility.
- ☛ Conditioned space, or comprehensive or tactical energy surveys for industrial facilities.
- ☛ Listing of energy efficiency measures derived from building and facility performance.
- ☛ Advise on reducing energy usage without negatively impacting the company's everyday practices.
- ☛ Audited equipment include HVAC, lighting, and plug load.



Manufactures of LT & HT Panels

- ☛ Supply, installation, testing & commissioning of HT & LT switchboards, power control centers, motor control centers, distribution boards, automatic control panels, generator panel, electronic panels, PLC panels, relay & control panels, rising mains, control desks, capacitor panels, bus bars, AC & DC drives, A.M.F. control panels.
- ☛ Supply, installation, testing & commissioning of LT distribution systems including main LT Panel, PDB, SDB, LDB and end termination.
- ☛ Supply, installation, testing & commissioning of HT & LT cables in trenches, trays and pipes.
- ☛ Design, Supply, Installation, Testing & Commissioning of HT/LT Panels, HT/LT
- ☛ Cables with terminations, Transformers, DG sets, complete low side electrical works, Lighting, earthing etc.



eBOP Projects

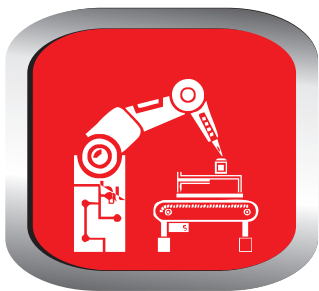
Design to Commissioning of Substations and Switch Yard works of Power Plants. The scope includes HV Substation, Bus Ducts and/or Cable and Connections, Transformers, Generator Circuit-breakers, Excitation Equipment, Power Plant Main, LV/MV Switchgear, LV-MCC Distribution, Switchgear, UPS System, Batteries/Inverters, Diesel Sets, and DCS System/Main Control.

E-Axis Power has extensive knowledge to undertake turnkey system integration of eBOP specifically customised to different power plant types, such as oil & gas fired combined cycle power plants, coal fired boiler power plants and hydro power plants as well as industrial sized turbine and boiler power applications.

We offer complete solution encompassing engineering, supply, manufacture, delivery to site, installation, commissioning, testing, and ensure the quality of the eBOP integration into the complete instrument, control and electrical system of your power facility. Through innovative electrical power applications we assist utilities build and maintain reliable power system installations safely and efficiently, offering cost effective solutions.

eBOP equipment include:

- HV Switchyard AIS / GIS
- Power Transformer
- Bus Duct
- Generator Circuit Breaker
- MV Switchgear
- Static Frequency Converter
- Station Supply AC/DC
- Cable System
- Light and Small Power
- Earthing and Lightning



Industrial Automation

Design, Engineering of power Automation for Medium and Large scale Power Plants Automation of cement plant automation, Steel plant automation, sugar plant, mining such as conveyers, material handling, SCADA for substation automation, etc.



Turnkey Datacenter Solutions

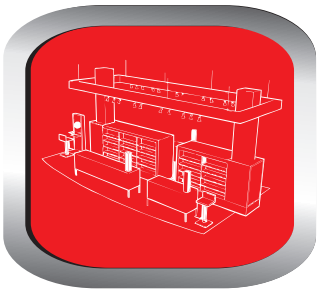
E-Axis Power drafts, plans and implements high-MTBF data centres and IT environments that are super-efficient in all aspects. Based on the requirements, our expert team will devise optimised, perfectly functioning IT centres for every size of company.

Data Centre Construction

- ❏ Engineering & Design to implement complete data centres
- ❏ Site management and execution
- ❏ Complete Project Management Consultancy
- ❏ Handling of all licensing procedures and approvals
- ❏ Preparation of various certifications (safety, energy efficiency, availability)

IT Infrastructure

- ❏ Customized Server racks and Network enclosures
- ❏ Scalable IT cooling concepts with scalability in mind
- ❏ Design of Modular power distribution and backup
- ❏ High-MTBF IT security rooms, including certificates
- ❏ Complete system accessories for IT environments and data centres



Civil and Interiors

- ❏ An in-house team of Engineers to handle all aspects of Interior Design, Layouts, Plans and Elevation and all construction related drawings
- ❏ Well versed teams who are abreast with emerging trends and technologies
- ❏ Customer-centric approach to meet the exact requirements of the clients
- ❏ Typical services include false ceiling partitions, design of furniture, floorings, paintings, etc.
- ❏ Strategic tie-up with manufacturers, suppliers and importers to source the best of materials
- ❏ Flexible modes of Business Engagement
- ❏ Knowledge of over 100 Product Lifecycles



HVAC

HVAC design engineering is provided for residential, commercial & industrial Hvac systems. We provide the detailed engineering of various types of HVAC systems - including chilled water, direct expansion, air cleaning, contamination control, clean air, etc.

Typical Services include:

- ❖ Cooling and Heating Load
- ❖ Cooling Load Formulas
- ❖ Fan Pressure Drop
- ❖ Pump Pressure Drop
- ❖ Refrigerant Pipe Sizing
- ❖ Fan Performance
- ❖ Pump Performance
- ❖ Air Leakage
- ❖ Pipe insulation
- ❖ HVAC Unit conversion

E-Axis Power provides guidelines on HVAC design, equipment, maintenance, and operation. The guidelines are provided on Hvac Design, Chillers & DX Units, Refrigerants, Fans, Dampers, Filtration



Engineering Services

- ❖ Energy analysis, process optimisation, conceptual design, engineering, project management and contract management services.
- ❖ We strive for a cleaner and sustainable environment.
- ❖ Cost –effective Solutions and services.
- ❖ Incorporating Plant and personnel safety features in all our Design Services of savings.

How to Reach Us

Registered office: # 1C, Sree Sai Krupa Complex, 3rd Floor, 7th 'A' Main, Dollars Colony, New BEL Road, RMV 2nd Stage, Bangalore-560094, INDIA

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Tele Support
On Site Support
Annual Maintenance Contract
Tech Support

