

LINUS ELECTRICALS

Company Profile

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EXECUTIVE SUMMARY



Linus Enterprise is a professionally managed engineering and infrastructure company specializing in Transmission Lines, Substations, Power Distribution Networks, Telecom Infrastructure, Electrical Installation, and Operation & Maintenance Services. With a team of experienced industry professionals possessing expertise across power, telecom, and electrical engineering sectors, we deliver reliable, safe, and cost-effective solutions for utility companies, government agencies, EPC contractors, and industrial clients.

Our comprehensive service portfolio covers the complete project lifecycle, including planning, design, procurement, installation, testing, commissioning, operation, and maintenance. We are committed to delivering projects that meet the highest standards of quality, safety, and operational excellence.

Driven by technical expertise, innovation, and customer satisfaction, Linus Enterprise aims to contribute significantly to the development of India's power and telecom infrastructure. Our ability to execute projects efficiently, combined with a strong focus on quality assurance and regulatory compliance, enables us to build long-term relationships with clients and stakeholders. We continuously invest in skilled manpower, modern technologies, and industry best practices to ensure successful project delivery across diverse infrastructure sectors. Through our commitment to excellence, integrity, and sustainable growth, we strive to be a trusted partner in building the critical infrastructure that powers communities and supports economic development across India.

COMPANY OVERVIEW



Linus Electricals is a leading engineering company specializing in power transmission, distribution, substations, and infrastructure development projects. We provide end-to-end EPC (Engineering, Procurement & Construction) solutions for power utilities, government organizations, and private sector clients. Our expertise covers the complete project lifecycle, including design, engineering, supply, erection, testing, and commissioning of electrical infrastructure. With a team of experienced engineers, project managers, and skilled technicians, we ensure timely and efficient project execution.

We are committed to delivering reliable, cost-effective, and high-quality solutions that meet industry standards. Through technical excellence, modern equipment, and strong project management practices, we support the development of robust power networks and sustainable infrastructure growth.

Key Highlights

- End-to-end EPC solutions in Power Transmission & Distribution (T&D) sector
- Proven execution capability for 66kV to 765kV overhead and underground systems.
- Experienced in GIS & AIS Substations, Transmission Lines, and Smart Distribution Projects.
- In-house Design, Survey, and Quality Control departments ensuring precise execution.
- PAN India presence with capability to mobilize multiple projects simultaneously.

MISSION & VISION



Our Mission

To provide reliable, innovative, and cost-effective engineering solutions in the power and telecom sectors while maintaining the highest standards of safety, quality, and customer satisfaction. We are committed to delivering projects efficiently, safely, and on time, creating lasting value for our clients through technical excellence, professional service, and dependable project execution. By embracing innovation, continuous improvement, and industry best practices, we strive to build long-term partnerships and contribute to the development of robust and sustainable infrastructure.

Our Vision

To become one of India's most trusted infrastructure development companies by delivering sustainable and technologically advanced solutions that contribute to the nation's growth and modernization. We aim to be recognized for our quality, reliability, and commitment to excellence in every project we undertake. Through continuous investment in skilled talent, modern technologies, and operational excellence, we aspire to support the nation's evolving infrastructure needs and create a lasting impact across the power, telecom, and engineering sectors.

WHY CHOOSE US



- ⚡ Experienced leadership with decades of combined industry expertise.
- ⚡ Strong technical capabilities in power, telecom, transmission, and distribution projects.
- ⚡ End-to-end project execution from planning to commissioning.
- ⚡ Commitment to quality, safety, and compliance with industry standards.
- ⚡ Skilled workforce supported by qualified engineers and consultants.
- ⚡ Proven expertise in operation, maintenance, and troubleshooting services.
- ⚡ Customer-centric approach ensuring timely project delivery and client satisfaction.
- ⚡ Cost-effective and reliable solutions tailored to project requirements.
- ⚡ Proven track record of successful project delivery.
- ⚡ Strong project management and resource mobilization capabilities for efficient execution across diverse infrastructure projects.
- ⚡ Focus on innovation, sustainability, and adoption of modern engineering practices to deliver future-ready solutions.

MEET OUR TEAM



Mr. Debabrata Karmakar

FOUNDER PARTNER

With over 16 years of experience in telecom and electrical industries, Mr. Karmakar possesses extensive expertise in telecom tower erection, RF & MW installation, electrical integration works, fiber laying, OSP/ISP projects, and site commissioning. His experience includes site acquisition, vendor coordination, and complete telecom infrastructure deployment for major operators and contractors.



Mr. Sumit Saha

FOUNDER PARTNER

Mr. Saha has more than 9 years of experience in transmission line projects, substation installation, and power distribution network development. His expertise includes project planning, execution, commissioning, quality assurance, and project management across various power infrastructure projects.



Mr. Mithun Mukherjee

CHIEF CONSULTANT & TECHNICAL HEAD

(Chartered Engineer, B.E.)

With over 15 years of professional experience in electrical engineering, Mr. Mukherjee specializes in detailed engineering for power plants, substations, transmission systems, distribution networks, equipment layout planning, electrical safety audits, and system design for generation, transmission, and distribution projects.



Mr. Shubham Dev

OPERATIONS HEAD

Mr. Dev brings over 12 years of operational management experience in the telecom industry. His expertise includes telecom tower operations, fiber projects, electrical installations, maintenance management, project coordination, troubleshooting, client communication, and process optimization.



CORE SERVICES

Linus Enterprise provides comprehensive engineering, construction, installation, and maintenance solutions across the power, telecom, and infrastructure sectors. With extensive industry expertise and a commitment to operational excellence, we deliver reliable and cost-effective solutions tailored to the evolving needs of utility companies, government organizations, EPC contractors, and industrial clients.

Our multidisciplinary capabilities enable us to undertake projects of varying scales and complexities, covering every stage from planning and engineering to execution, testing, commissioning, and long-term maintenance support. By combining technical expertise, modern equipment, skilled manpower, and stringent quality standards, we ensure the successful delivery of projects that contribute to the development of robust and sustainable infrastructure. Our focus on safety, innovation, and customer satisfaction allows us to consistently deliver value-driven solutions while maintaining the highest levels of professionalism and reliability.

Our Core Service Areas

- Transmission Line Projects
- Substation Engineering & Construction
- Power Distribution Networks
- Electrical Installation Works
- Operation & Maintenance Services
- Telecom Infrastructure Solutions
- Civil & Infrastructure Development
- Testing & Commissioning Services
- Engineering Consultancy & Technical Support
- Safety Audit & Compliance Services

TRANSMISSION LINE PROJECTS

Linus Enterprise specializes in the construction, installation, testing, commissioning, and maintenance of Extra High Voltage (EHV) and High Voltage (HV) transmission systems. We provide complete turnkey solutions for overhead transmission line projects, ensuring reliable power transfer and network stability.

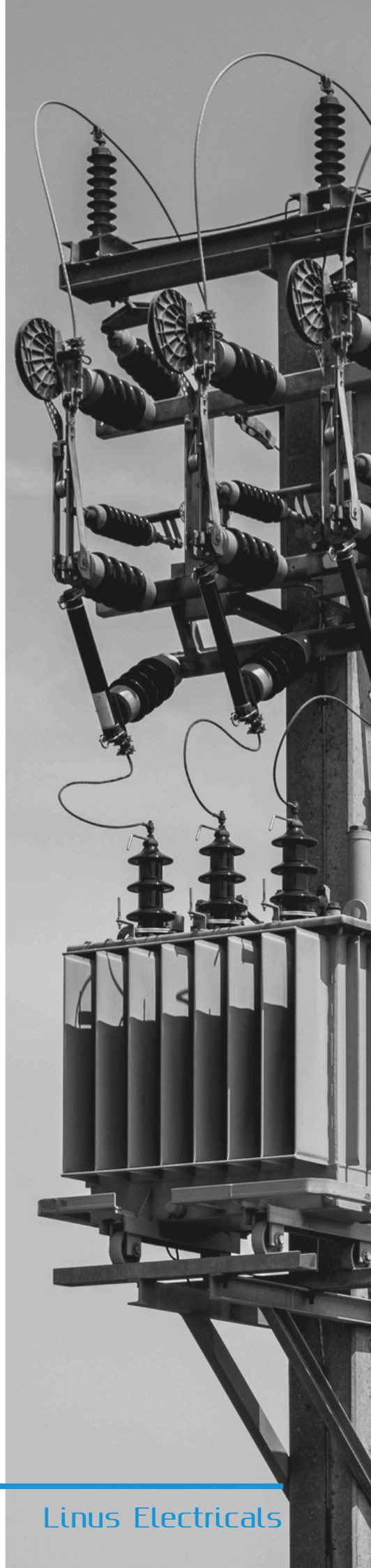
With expertise in transmission infrastructure development, we undertake projects from route surveys and foundation construction to tower erection, conductor stringing, testing, and commissioning. Our focus on safety, quality, and timely execution enables us to deliver dependable transmission networks that support efficient power distribution.

Our Core Service Areas

- EHV & HV Transmission Lines (66kV to 765kV)
- Route Survey & Alignment
- Tower Foundation Construction
- Tower Erection & Assembly
- Conductor Stringing Works
- OPGW & Earth Wire Installation
- Transmission Line Testing
- Energization & Commissioning
- Existing Line Maintenance & Upgradation
- Turnkey EPC Solutions

Key Capabilities

- End-to-End Project Execution
- Quality Assurance & Inspection
- Skilled Technical Workforce
- Safety-Compliant Operations
- Timely Project Delivery



SUBSTATION WORKS

Linus Enterprise delivers complete substation engineering, construction, installation, testing, and maintenance solutions for AIS and GIS substations. Our expertise covers every phase of the project lifecycle, ensuring safe, efficient, and reliable power infrastructure.

Pre-Construction & Engineering

- Site Survey & Soil Investigation
- Load Flow Studies
- Single Line Diagram (SLD) Preparation
- Equipment Layout Planning
- Earthing Grid Design
- Risk Assessment & Safety Planning



Civil Construction

- Transformer Foundations
- Control Room Buildings
- Cable Trenches & Ducting
- Transformer Bund Walls
- Equipment Plinth Construction
- Fencing & Access Roads

Electrical Installation

Primary Equipment

- Power Transformers
- Circuit Breakers
- Current Transformers (CT)
- Potential Transformers (PT)
- Isolators & Earth Switches
- Lightning Arresters
- Busbars & Gantries

Secondary Systems

- Relay & Control Panels
- SCADA Systems
- PLC Communication Systems
- Battery & Charger Systems
- Auxiliary Power Systems

Testing & Commissioning

- Transformer Testing
- CT/PT Testing
- Relay Calibration
- Protection Coordination
- Functional Testing
- Energization Support



DISTRIBUTION WORKS

We provide complete solutions for power distribution infrastructure, including overhead and underground distribution systems, consumer connectivity, and network modernization projects.

Overhead Distribution Systems

- Oil Testing & Analysis
- Cooling System Inspection
- Relay Testing
- Bushing Inspection
- Oil Filtration Services

Underground Distribution Systems

- Contact Resistance Testing
- Mechanical Operation Checks
- SF6 Gas Monitoring
- Lubrication & Servicing

CTs & PTs

- Insulation Testing
- Ratio Verification
- Secondary Circuit Inspection

Earthing Systems

- Earth Resistance Measurement
- Earthing Network Inspection
- Corrosion Assessment

Protection & Control Systems

- Relay Testing & Calibration
- Trip Circuit Verification
- Control Panel Inspection

Battery Banks & Chargers

- Voltage Monitoring
- Electrolyte Inspection
- Charger Performance Testing

Documentation & Reporting

- Maintenance Records
- Inspection Reports
- Preventive Maintenance Scheduling
- Compliance Documentation





MAJOR MAINTENANCE ACTIVITIES

Linus Enterprise provides preventive, predictive, and corrective maintenance services designed to improve equipment reliability, minimize downtime, and enhance operational performance of electrical infrastructure.

Power Transformers

- Oil Testing & Analysis
- Cooling System Inspection
- Relay Testing
- Bushing Inspection
- Oil Filtration Services

Circuit Breakers

- Contact Resistance Testing
- Mechanical Operation Checks
- SF6 Gas Monitoring
- Lubrication & Servicing

CTs & PTs

- Insulation Testing
- Ratio Verification
- Secondary Circuit Inspection

Earthing Systems

- Earth Resistance Measurement
- Earthing Network Inspection
- Corrosion Assessment

Protection & Control Systems

- Relay Testing & Calibration
- Trip Circuit Verification
- Control Panel Inspection

Battery Banks & Chargers

- Voltage Monitoring
- Electrolyte Inspection
- Charger Performance Testing

Documentation & Reporting

- Maintenance Records
- Inspection Reports
- Preventive Maintenance Scheduling
- Compliance Documentation

ELECTRICAL INSTALLATIONS WORKS

Power Equipment Installation

- Power Transformers
- HT & LT Switchgear Panels
- Distribution Transformers
- Busbar Systems
- Capacitor Banks

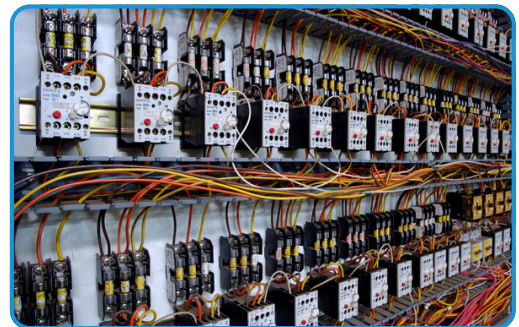


Cable Works

- HT Cable Laying
- LT Cable Installation
- Control Cable Routing
- Cable Jointing & Termination
- Cable Tray Installation

Industrial & Commercial Installations

- Electrical Panels
- MCC Panels
- Lighting Systems
- Power Distribution Boards
- Earthing Systems



Protection & Automation Systems

- Relay Panels
- SCADA Integration
- Metering Systems
- Control & Monitoring Systems

Testing & Commissioning

- Insulation Resistance Testing
- Continuity Testing
- Functional Testing
- Load Testing
- System Commissioning



SOLAR & GREEN ENERGY PROJECTS



Linus Enterprise provides end-to-end Solar EPC (Engineering, Procurement & Construction) solutions for industrial, commercial, institutional, and utility-scale renewable energy projects. Our expertise spans the entire project lifecycle—from feasibility studies and engineering design to installation, commissioning, and ongoing support.

Committed to India's clean energy transition, we deliver reliable, cost-effective, and high-performance solar solutions that maximize energy generation and long-term value for our clients.

Our Core Service Areas

- Utility Scale Solar Power Plants
- Rooftop Solar PV Systems
- Ground Mounted Solar Installations
- Solar EPC Solutions
- Solar Plant Design & Engineering
- Module Mounting Structure Installation
- Solar Panel Installation & Wiring
- Inverter & Transformer Installation
- HT/LT Interconnection Works
- Testing, Commissioning & Grid Synchronization

Key Capabilities

- End-to-End Solar Project Execution
- Engineering & Energy Yield Analysis
- Grid-Connected & Hybrid Solar Systems
- Quality Installation & Safety Compliance
- Performance Optimization
- Timely Project Delivery
- Sustainable & Environment-Friendly Solutions

SOLAR OPERATION & MAINTENANCE



Linus Enterprise provides professional O&M services for solar power plants to maximize energy generation, improve system reliability, and minimize downtime. Through preventive maintenance, performance monitoring, and timely corrective actions, we help ensure efficient and sustainable plant operation throughout its lifecycle.

Power Transformers

- Routine Solar Plant Inspection
- Module Cleaning & Performance Monitor
- Inverter & Electrical System Checks
- Earthing and Safety Verification

Corrective Maintenance

- Fault Detection & Troubleshooting
- Inverter and Module Replacement
- Cable & Protection System Repairs
- Emergency Breakdown Maintenance

Performance Monitoring

- Generation & Energy Yield Analysis
- Performance Ratio (PR) Monitoring
- Remote Monitoring & Diagnostics
- Efficiency Improvement Recommendations

Asset Management & Reporting

- Preventive Maintenance Scheduling
- Maintenance Records & Compliance Reporting
- Site Safety Audits
- Monthly & Annual Performance Reports

Benefits

- Improved Plant Efficiency
- Reduced Downtime
- Higher Energy Generation
- Extended Equipment Life
- Regulatory Compliance
- Lower Operating Costs



OUR PROCESS

At Linus Enterprise, we follow a structured and systematic approach to ensure every project is executed efficiently, safely, and in accordance with the highest quality standards.

1. Consultation & Requirement Analysis

- Understanding project objectives, technical requirements, site conditions, and client expectations to develop the most suitable solution.

2. Engineering & Planning

- Detailed engineering, feasibility studies, design development, project scheduling, risk assessment, and resource planning.

3. Procurement & Resource Mobilization

- Sourcing quality materials, equipment, and deploying skilled manpower, tools, and machinery required for project execution.

4. Execution & Installation

- Professional construction, installation, and implementation activities carried out in compliance with safety, quality, and technical standards.

5. Testing & Commissioning

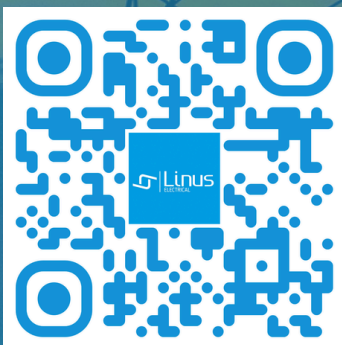
- Comprehensive testing, inspection, validation, and commissioning to ensure system performance, reliability, and compliance.

6. Operation & Maintenance Support

- Providing preventive maintenance, technical support, troubleshooting, and long-term operational assistance for sustained performance.

Our Commitment

- **Quality**
- **Safety**
- **Reliability**
- **Timely Delivery**
- **Customer Satisfaction**



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