expertise



Your Trusted Partner for Comprehensive

Electrical and Instrumentation Services

www.**expertindus**.com

Our Electrical & Instrumentation (E&I) Division is your trusted partner for comprehensive solutions in the energy, power, and automation sectors. With specialized expertise and extensive capabilities, we provide cutting-edge solutions and services across a wide range of industries and sectors, including

- Energy & Utilities: Power generation, transmission, and distribution
- Industrial: Manufacturing, processing, and automation
- Oil & Gas: Exploration, production, and refining
- Renewable Energy: Solar, wind, and hydropower
- Water & Wastewater: Treatment and distribution
- Petrochemicals: Production and processing
- Infrastructure & Irrigation: Development and maintenance

Our Services:

Electrical Substations Construction.

We provide turnkey solutions and EPC services for substation construction projects, additionally, Installation, Upgradation, Replacement, Retrofitting, and Testing & Commissioning services for LV, MV, and HV electrical assets and equipment, including, but not limited to;

Transformers | Switchgears | Generators | ATS & MTS | RMUs

Capacitor Banks | UPS & Battery System | Motors | Power Cables

Turnaround services and PM & CM.

We provide strategic and proactive maintenance planning optimizing the performance of the electrical and power equipment, dedicating a highly skilled and experienced team responding 24/7 to all scheduled and unscheduled emergencies and shutdowns incidents.

Instrumentation and Control.

Design, and engineering of Measuring and Actuating Instruments, further, complete installation and testing of instrument infrastructure and components including

- Field Sensing Instruments (Level, Flow, Pressure, Temperature, etc.).
- Field Actuating Instruments (Control Valve, MOV, SOY, PSV, etc.).
- DCS, ESD, Servers Mesh Network, & Operator Console System.
- Marshalling & Vibration Monitoring System.
- Instrument Tube & Fittings, Air and Impulse Lines
- Cable Trays & Conduits, Junction Boxes and Cables.
- Lighting System.

Asset Health Management.

Our asset management solutions are proposed to optimize the performance, reliability, and lifespan of critical assets. Our approach integrates advanced monitoring techniques, predictive analytics, and proactive maintenance strategies to enhance asset health and operational efficiency, avoiding downtime by allowing early indication of any critical and major asset failure.

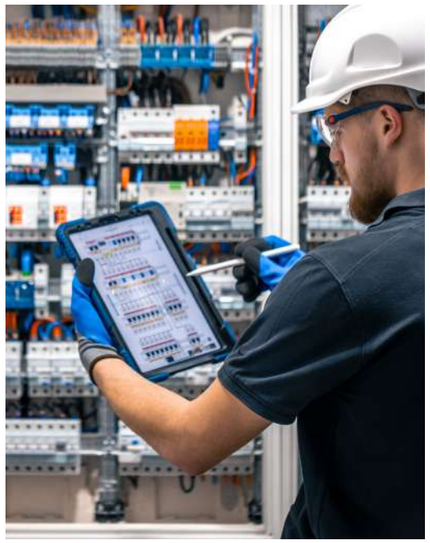
SCADA and Automation.

We provide advanced SCADA and automation solutions designed to enhance operational efficiency, ensure real-time monitoring, and improve decision making processes across various industries. Our solutions are designed to ensure system reliability and scalability in all industrial and utilities sectors utilizing needed hardware and software.

Energy Management and Reporting

We take into consideration providing Energy Management solutions applying monitoring, controlling, and energy consumption optimization. With the rising costs of energy and a growing emphasis on sustainability, our EMS shall empower making immediate decisions to enhance efficiency and reduce the costs and energy loses.







Solar and Renewable Energy

We are fully dedicated to promoting sustainable energy solutions through innovative solar and renewable energy technologies. Our commitment to environmental stewardship is reflected in our comprehensive range of services designed to harness renewable resources effectively, such as PV Systems, Solar Thermal Systems and Wind Energy Systems.

Industrial Security and Low Current Systems

Specialized in delivering robust, scalable, and cutting-edge security and cyber security systems tailored for industrial and plant environments, ensuring the protection of both operational assets and digital infrastructure.

LV, MV, and HV Power Cables Services

All cables services combined of cables installation, replacement, removing, termination, splicing, tracing as well as health assessment and fault identification are part of the professional services E&I is conducting, having onboard a highly professional and certified team.

Why Choose Us?

- **Safety First:** We prioritize safety in all our operations.
- **Experienced Professionals:** Our team is committed to delivering exceptional services through a highly skilled and diverse workforce and technical team.
- **In-house Equipment:** Complete in-house set of testing and commissioning equipment and devices for all types of electrical assets.
- **Reliable & Efficient Service:** We leverage our manpower capabilities to meet project demands efficiently and effectively, delivering customers requirement on time and within budget.
- **Commitment to Quality:** We adhere to the highest industry standards and best practices.
- **Technical Alliances & Partners:** Our Technical Alliances program is designed to foster strategic partnerships with industry-leading technology providers, enabling innovative solutions that drive mutual growth and success.
- **Customer Focus:** We are dedicated to providing tailored solutions that meet your unique requirements.

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Contact us to discuss your project requirements and experience the difference of working with the industry leader.

Contact us

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