



A LEADER IN
MANUFACTURING
FOR ALL INDUSTRIAL CONTROL PANEL
WITH EXPERTISE IN SOLAR POWER GENERATION



About Us

Our organization , E NEEDS GLOBAL , incorporated in 2017 with a complete knowledge in manufacturing of Industrial Control Panels which includes all kinds of Electrical Control Panels like APFC , MCC , PCC , PDB , LDB , FEEDER PILLAR , DG/AMF Panel etc. Also includes Automation Panels like BMS , VFD , PLC , SCADA etc. This organization specially deals with Industrial Automations along with Supply of the items related with Automations and Electronics

We are also a pioneer in the Service of Plant Maintenance along with the Maintenance Service of all types of Power Stations and Switch Gear Yards. We are experienced in Running and Breakdown Rectifications of Plant Machineries , Electrical Power Stations and all of its Switch Gear components like Transformers , ACB , OCB , VCB , SFU etc. We have a vast knowledge in Routine Check-up with Preventive Maintenance of all Electromechanical Equipments. This organization is experienced with overall Maintenance (both Breakdown & Preventive) and Supervision of Manufacturing Industries & Process Plants and Engineering service sectors.

E NEEDS GLOBAL has an area of expertise about Natural and Re-new able Energy. We are also expertise with Green Energy like Solar Power Generating Systems which are widely acceptable by both Rural & Urban areas , Farthest or Remote places , Domestic or Commercial sectors like Petrol Pumps , Hotels , Hospitals , Nursing Homes , Shopping Malls , Schools , Colleges or all Corporate Houses etc.

This organization is a supplier of all General Orders along with a supplier of all kinds of Engineering goods related to Industrial Electrical , Electronics , Mechanical , Fabrications etc.

Our Mission

Service provider for Repairing , Maintenance & Annual Maintenance Contract for Industrial Machineries. Special care on Preventive Maintenance of Industrial Electromechanical Equipments.

Service provider for Installation , Testing & Commissioning of all kinds of Motors , PCC Panels , MCC Panels , PDB , LDB , APFC Panels , FEEDER PILLAR , SFU , Industrial & Domestic Wirings and Electrical Distribution Systems etc.

Installation , Repairing and Maintenance service provider for Capacitor Banks , Stabilizers , UPS / Inverters etc. Repairing of AC & DC Motors , Fans , Air Curtains , Blowers etc.

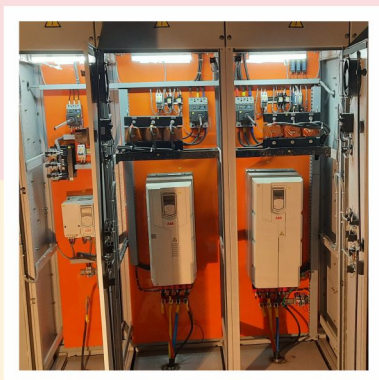
Service provider for Installation and Maintenance of Solar Power Generating Stations for all Commercial , Industrial & Domestic Sectors. All types of Repairing & Servicing jobs provider for Solar Power Supply Systems and all of its accessories.

Installation and Maintenance Service provider for Instrumentations along with all kinds of Automation Panels including VFD , PLC , SCADA etc.

Installation and Maintenance Service provider for Electrical Illumination Systems with Industrial Lightings(both solar and normal) like High Bay Lights , Street Lights , Canopy Lights , Room interior Decorative Lights etc.

Service Provider for the Manufacturing (Fabrication) of Enclosure Panels related to Industrial Control Panels with their supportive jobs like MetalCutting , Welding , Bending of Metals , Finishing &Painting of Panels also our another missions.

We are the Supplier for all Engineering Goods as well as for all General Orders.



Our Vision

To circulate our Engineering Services throughout the world with eco-friendly infrastructures along with reasonable rates.

Empowering of people with Non Interrupted Natural and Re-new able Energy. Also to make human lives smoother and more convenient solar power generation system.

We are E NEEDS GLOBAL where quality consciousness is our moto. We are going to introduce to the people with eco-friendly and easily available resources of energy for their everyday use.

To spread up Artificial Intelligence into all of the social sectors is our next upcoming.

Our Dreams

To build up an Intelligent Robotic Society along with the manufacturing of AI controlled Non-Conventional fuel operated vehicles are our future dreams.

To build up a Wireless Energy Transmission systems for the operations of all Industrial , Commercial and Domestic sectors with the uses of wireless transmission & distribution of electrical energy and power.



Our Products

MANUFACTURING, INSTALLATION, TESTING & COMMISSIONING OF

- MCC PANEL | • PCC PANEL | • PDB | • LDB | • APFC PANEL | • DG / AMF PANEL |
- FEEDER PILLAR | • AUTOMATION PANELS INCLUDING AUTOMATION COMPONENTS LIKE VFD, PLC & SCADA, SENSORS, HMI ETC.

SALES AND SUPPLY OF

- SOLAR POWER EQUIPMENTS | • ELECTRICAL ILLUMINATION SYSTEMS | • CCTV SETUPS |
- AC AND DC MOTORS | • AUTOMATION COMPONENTS | • SWITCHGEAR & POWER STATION ITEMS | • ELECTRICAL APPLIANCE | • ALL GENERAL ORDERS

MCC Panel

MCC (Motor Control Centre)

The Motor Control Centre Panels, also called MCC Panels are used to control motors from a central point in the industrial and commercial applications. In many industrial and commercial applications, many electric motors may be required, it is frequently advantageous to control part or all of them from a central place. The motor control centre is the device designed for this function.

Multiple enclosed sections with common Bus Bars build the motor control centers with each section consists of power contractors, isolators, protection relays, and other control and indication devices.



PCC Panel



PCC (Power Control Centre)

PCC Panel stands for Power Control Center also known as Main power Panel. The Power Control Center Panel works by combine circuits from several places into a single central hub. It would be quite risky to power up your Plant or Commercial Place without a PCC panel. Basically to protect and control power distribution for large manufacturing unit PCC Panels are used.

In PCC panels, the apparatus used for controlling switching, and protecting the electrical circuits and equipment is known as

Switchgear. Circuit breakers, Switch Fuse Units, switches, Off- Load Isolators, contactors, HRC Fuses, miniature circuit breakers, GFCLs and ELCBs, and other switching devices are all included in the Switchgear. Protection, Tripping times and selectivity, reserves / availability, Switchover Time, and operating procedures are all important variables to consider when choosing Switchgear.

PDB (Power Distribution Board)

PDB (Power Distribution Board)

They are used in applications like power distribution, control, ground- fault protection and monitoring. They can also be used as an alarm panel for freeze protection, broad temperature-maintenance and heat-tracing applications. A PDB panel can be used in residential buildings, industrial buildings, commercial buildings, hotels, hospitals, street lighting, schools, colleges and many other such places.



LDB (Lighting Distribution Board)



LDB (Lighting Distribution Board)

A Lighting Distribution Board (LDB Panel) is comprised of a free-standing enclosure, a bus bar system, MCCB's, metering and support equipment's and required Current Transformers. Panels are assembled in a systematic manner such as incomer section and outgoing section. A lighting distribution board is a type of electrical panel that is used to distribute power to lights and other loads in the domestic, commercial and industrial premises.

APFC (Automatic Power Factor Correction)

APFC (Automatic power factor correction/control)

APFC panels help to reduce Reactive Power and Apparent Power Demand. These panels also help to avoid Power Factor Surcharges & Maximum Demand Penalties. It reduces the risk of Operational Issues and Power Loss. Whereas it also improves the power factor.



DG / AMF & DG Synchronization Panel



DG / AMF Panel (Diesel Generator / Automatic Mains Failure)& DG Synchronization Panel

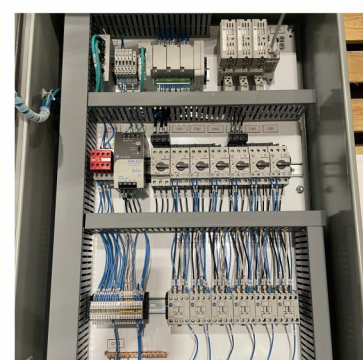
Auto Main Failure (AMF) Panels are designed to restore power during power failures and are installed in between the generators and main power supply. When the main supply failure occurs, the panel disconnects the main from the load, activates the generator and shifts load to generator output. DG Synchronization Panel comprises of special relay that automatically performs synchronization of two or more sources of power as well as Diesel Generators.

Feeder Pillar

In electrical engineering, a feeder line is a type of transmission line. In addition Feeders are the power lines through which electricity is transmitted into the power systems. Feeder transmits power from Generating station or substation to the distribution points. A feeder pillar, also known as a power box, a distribution pillar, or a feeder pillar box, is a container that is used to enclose electrical equipment's. It acts as a central course that controls and distributes electricity to outgoing circuits.



Automation Panel (VFD, PLC & SCADA)



Automation is defined as the technique of making an apparatus, a process, or a system to operate automatically. So Automation is the creation and the application of technology to monitor and to control the production and delivery of products and services without any direct manual approach. Automation includes various multitasking components like VFD , SCADA , PLC , HMI , SENSORS , OPTOCUPLERS , AI etc. We have a vast knowledge and setup to deal all of the said multitasking products with their applications. Now a days Automation encompasses many vital elements , systems , and job functions. Automation provides benefits with easy handling and simple operating procedures to run all of the

industries like manufacturing , pharmaceutical and food processing , petroleum and chemical productions , pulp , paper & textile industries , heavy engineering sectors , utility industries like water and wastewater projects , oil and gas projects , electric power and telecommunication sectors , Defence , Facility operations including security, environmental control, energy management, safety, and other building automations with BMS technology , fire fighting systems , CC TV & Camera setups etc. and many more.

Product And Services Gallery



Our Services

PLANT MAINTENANCE (AMC)

MOTOR REPAIRING & COIL WINDING

SOLAR POWER PLANT INSTALLATION

ALL LIGHTS / PUMP INSTALLATION

AUTOMATION & INSTRUMENTATION

TRANSFORMER / POWER STATION JOBS

ELECTRIFICATION & WIRING SERVICE

ELECTRICAL CONTROL PANEL MAINTENANCE

Plant Maintenance (AMC)

QUALITY YOU CAN TRUST IN

OUR EXPERTISE

E NEEDS GLOBAL is a pioneer in the Service of Plant Maintenance along with the Maintenance Service of all types of Power Stations and Switch Gear Yards. We are experienced in Running and Breakdown Rectifications of Plant Machineries, We have a vast knowledge in Routine Check-up with



Preventive Maintenance Set-up for all Electromechanical Equipments. This organization is experienced with overall Maintenance (both Breakdown & Preventive) and Supervision for Manufacturing Industries, Processing Plants and Engineering service sectors etc.

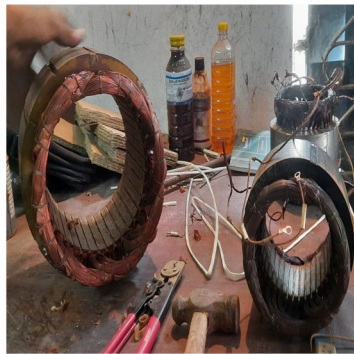
We are the Service provider for Repairing, Maintenance & Annual Maintenance Contract for Industrial Machineries. We pay attention with Special care on Preventive Maintenance for Industrial Electromechanical Equipments.

We also the Service provider for Installation, Testing & Commissioning of all kinds of Motors, MCC Panels, PCC Panels, PDB, LDB, APFC Panels, FEEDER PILLAR, SFU, UPS or Inverter Panels and all other Industrial Control Panels. We are also the pioneer for HT & LT Cable Laying jobs (for Both Underground & Overhead). Also we provide the service of Industrial & Domestic Wirings and all other wiring services included in the Electrical Distribution Systems.

WE ARE THE PIONEERS IN COMPREHENSIVE PLANT AND POWER STATION MAINTENANCE.

OUR EXPERT TEAM ENSURES OPTIMAL PERFORMANCE AND LONGEVITY THROUGH METICULOUS CARE AND INNOVATIVE SOLUTIONS.

Motor Repairing & Coil Winding



HIGH-QUALITY INSTRUMENTATION, LOW-COST SOLUTIONS

PRECISION AND PERFORMANCE

E NEEDS GLOBAL is the Installation, Repairing and Maintenance service provider for Capacitor Banks, Stabilizers, UPS / Inverters etc. along with the service provider for Coil Winding and Repairing of AC & DC Motors, Fans, Air Curtains, Blowers etc. Our services also include Installation, Testing and Commissioning of AC & DC Motors including AMC (As per demand).

Precise winding techniques are essential during installation to guarantee the motor runs well right away. To reduce the possibility of future problems, this entails choosing the proper winding technique, utilizing premium materials, and abiding by strict guidelines. In order to avoid premature wear and possible operational problems, professional installation services guarantee that motors are adjusted correctly to handle their intended load and climatic circumstances.

To keep electric motors reliable and efficient, motor windings require routine maintenance and prompt repairs. Inspections for wear and tear, tests for insulation resistance, and making sure windings are clear of impurities like moisture and dust are routine maintenance services. Repair services take care of problems like broken windings, which can lead to motor overheating and decreased performance. E Needs Global apply precise repair techniques to return motors to optimal condition and use state-of-the-art diagnostic technologies to correctly diagnose faults.

BOOST YOUR EFFICIENCY WITH EXPERT INDUSTRIAL MOTOR WINDING SOLUTIONS FROM E NEEDS GLOBAL

WE PROVIDE SERVICES FOR REPAIRING AND COIL WINDING OF ALL TYPES OF MOTORS WITH OUR LEVEL BEST EFFORT

Solar Power Plant Installation

INNOVATIVE LEADERS IN NATURAL AND RENEWABLE ENERGY

EXPERT INSIGHTS INTO NATURAL AND RENEWABLE ENERGY

E NEEDS GLOBAL has an area of expertise about Natural and Renewable Energy. We are expertise with Installation , Repairing & Maintenance of Green Energy like Solar Power Generating Systems which are widely acceptable by both Rural & Urban areas , Farthest or Remote places , Domestic or Commercial sectors like Petrol Pumps , Hotels , Hospitals , Nursing Homes , Shopping Malls

, Schools , Colleges or all Corporate Houses etc. We have vast experiences in this field as we are the Service provider for Installation and Maintenance of Solar Power Generating Stations for all Commercial , Industrial & Domestic Sectors. All types of Repairing & Servicing jobs provider for Solar Power Supply Systems and all of its accessories.

The installation phase includes mounting the solar panels, setting up the inverters, and connecting the system to the power grid. Mounting structures are installed to securely hold the solar panels at the correct angle and orientation to maximize sunlight exposure throughout the day. Inverters, which convert the direct current (DC) generated by the solar panels into alternating current (AC) used by the grid, are carefully integrated into the system.

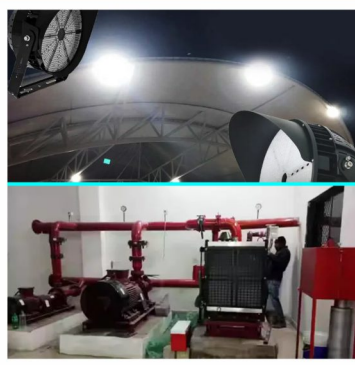
Additionally, proper wiring and electrical components are installed to ensure safety and efficiency. Once all components are in place, the system undergoes rigorous testing and commissioning to verify its performance and safety standards.



E NEEDS GLOBAL DRIVES THE GREEN REVOLUTION WITH NATURAL AND RENEWABLE ENERGY EXPERTISE

WE GUIDE YOU THROUGH THE INSTALLATION PHASE WHICH INCLUDES MOUNTING THE SOLAR PANELS, SETTING UP THE INVERTERS, AND CONNECTING THE SYSTEM TO THE POWER GRID.

All Lights / Pump Installation



MAXIMIZE PRODUCTIVITY WITH EXPERT INDUSTRIAL PUMP INSTALLATION SOLUTION

ENHANCING PERFORMANCE AND REDUCING DOWNTIME

Installation and Maintenance Service provider for Electrical Illumination Systems with Industrial Lightings(both solar and normal) like High Bay Lights , High Mast Lights , Street Lights , Canopy Lights , Room interior Decorative Lights etc. Also we provide installation service for all types of normal and solar pumps

used in domestic , commercial and agricultural sectors.

At E Needs Global, we are dedicated to providing comprehensive solutions for industrial pump and high bay light installations.

Our expert team combines extensive industry knowledge with cutting-edge technology to deliver installations that enhance operational efficiency and safety. Whether upgrading your current systems or setting up new facilities, we ensure a seamless and customized installation process tailored to meet your specific needs. Our commitment to quality and precision guarantees that your industrial pumps operate at peak performance, while our advanced high bay lighting solutions offer superior illumination, reducing energy costs and improving visibility.

PREMIER INDUSTRIAL PUMP AND HIGH BAY LIGHT INSTALLATIONS FOR PEAK PERFORMANCE

TRUST US TO PROVIDE INNOVATIVE SOLUTIONS TAILORED TO YOUR SPECIFIC NEEDS, COMBINING CUTTING-EDGE TECHNOLOGY WITH UNPARALLELED EXPERTISE.

Automation & Instrumentation

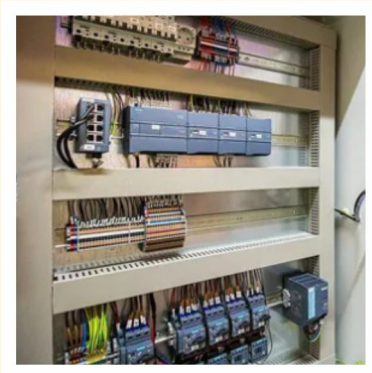
EXPERT INSTALLATION & MAINTENANCE FOR INSTRUMENTATION AND AUTOMATION PANELS

INSTRUMENTATION AND AUTOMATION PANELS (VFD, PLC, SCADA)

We are the Installation and Maintenance Service provider for Instrumentations along with all kinds of Automation Panels including VFD, PLC, SCADA etc.

We excel in providing top-tier installation and maintenance services for a wide range of instrumentation and automation panels, including VFD, PLC, and SCADA systems.

We specialize in delivering comprehensive installation and maintenance services for instrumentation and a wide array of automation panels, including VFD (Variable Frequency Drives), PLC (Programmable Logic Controllers), and SCADA (Supervisory Control and Data Acquisition) systems. Our team of seasoned professionals is committed to ensuring that your automation systems are set up with the highest level of precision and expertise. We understand that these systems are crucial for streamlining industrial processes, enhancing efficiency, and boosting overall productivity. Whether you are upgrading existing systems or embarking on new installations, we provide tailored solutions designed to meet your unique operational requirements.



WE OFFER COMPREHENSIVE MAINTENANCE PROGRAMS TO KEEP YOUR SYSTEMS RUNNING SMOOTHLY AND MINIMIZE DOWNTIME.

TRUST US TO HELP YOU NAVIGATE THE COMPLEXITIES OF INDUSTRIAL AUTOMATION WITH CONFIDENCE AND EASE.

Transformer / Power Station Jobs

EXPERT INSTALLATION AND MAINTENANCE FOR UNINTERRUPTED ENERGY

YOUR TRUSTED PARTNER IN POWER STATION EXCELLENCE

We provide the Installation and Maintenance Service for all kinds of Power Stations and Switch Gear Yards for both HT & LT Electrical Systems. We have the best knowledge with Installation , Repairing and Preventive Maintenance set-up for all Power Station items & Switch Gears like Transformers , ACB , OCB , VCB , SFU etc. including Underground & Overhead Electrical Transmission and Distribution Lines.

At E Needs Global, we specialize in providing top-tier transformer and power station solutions designed to meet the evolving needs of modern energy infrastructures.

In a rapidly changing energy landscape, E Needs Global stands out as a trusted partner for industries and communities alike. Our focus on sustainability and efficiency drives us to adopt the latest advancements in transformer technology and power station management. We understand the critical importance of a dependable energy supply, and our solutions are tailored to enhance resilience and reduce downtime. By choosing E Needs Global , clients benefit from our deep industry knowledge, robust technical expertise, and unwavering dedication to powering progress and innovation. Let us help you build a brighter, more sustainable future with our state-of-the-art transformer and power station services.



ENERGIZING THE FUTURE WITH DEPENDABLE POWER SOLUTIONS

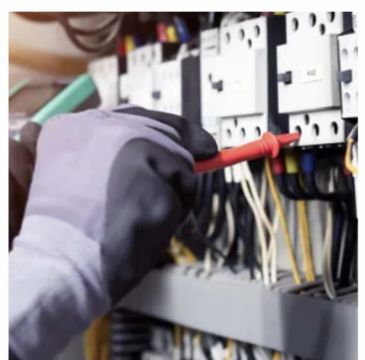
DEDICATED TO EXCELLENCE IN TRANSFORMER INSTALLATION AND MAINTENANCE

Electrification & Wiring Service

ENSURING SEAMLESS AND RELIABLE ELECTRICAL CONNECTIONS

YOUR GO-TO SOURCE FOR TOP-NOTCH WIRING SOLUTIONS

We provide repairing , maintenance & AMC service for all industrial electrical control panels throughout the world. Our team of certified electricians is committed to ensuring safety, efficiency, and reliability in every project we undertake. From initial electrical system design and installation to ongoing maintenance and troubleshooting, we deliver solutions that adhere to the highest industry standards.



In today's rapidly advancing technological landscape, having a dependable electrical infrastructure is more crucial than ever. At E NEEDS Global, we leverage cutting-edge technology and innovative practices to provide top-notch wiring services that enhance the performance and safety of your electrical systems. Our holistic approach means we not only install and repair but also offer expert advice on energy efficiency and sustainability. By choosing E NEEDS Global, you are investing in a future of uninterrupted power and peace of mind, knowing that your electrification needs are handled by skilled professionals who prioritize quality and customer satisfaction. Let us empower your home or business with our state-of-the-art electrical solutions.

BUILDING A SAFER, MORE EFFICIENT ELECTRICAL FUTURE

PREMIER ELECTRIFICATION SERVICES FOR RESIDENTIAL AND COMMERCIAL NEEDS

Electrical Control Panel Maintenance



PROFESSIONAL MAINTENANCE FOR UNINTERRUPTED POWER AND PERFORMANCE

ENSURING EXCELLENCE IN ELECTRICAL CONTROL SYSTEMS

At E Needs Global, we specialize in providing expert maintenance services for electrical control panels, ensuring the heart of your electrical system functions flawlessly. Our team of skilled technicians is dedicated to delivering meticulous care and attention to every component of your control panels, from routine inspections and diagnostics to comprehensive repairs and upgrades. Understanding the critical role control panels play in managing and distributing power, we prioritize reliability and efficiency, ensuring your operations run smoothly without unexpected interruptions.

In an era where electrical reliability is paramount, E Needs Global stands out as a leader in control panel maintenance. We employ the latest technologies and adhere to stringent industry standards to provide preventative and corrective maintenance that extends the life of your equipment and enhances overall safety. Our proactive approach identifies potential issues before they become costly problems, offering you peace of mind and a robust electrical infrastructure. By choosing [Company Name], you're investing in unparalleled expertise and a commitment to excellence, ensuring your control panels operate with optimal efficiency and dependability. Let us help you maintain control with confidence and precision.

MAXIMIZING EFFICIENCY, MINIMIZING DOWNTIME

TRUST US TO PROVIDE INNOVATIVE SOLUTIONS TAILORED TO YOUR SPECIFIC NEEDS, COMBINING CUTTING-EDGE TECHNOLOGY WITH UNPARALLELED EXPERTISE.

Quality Policy

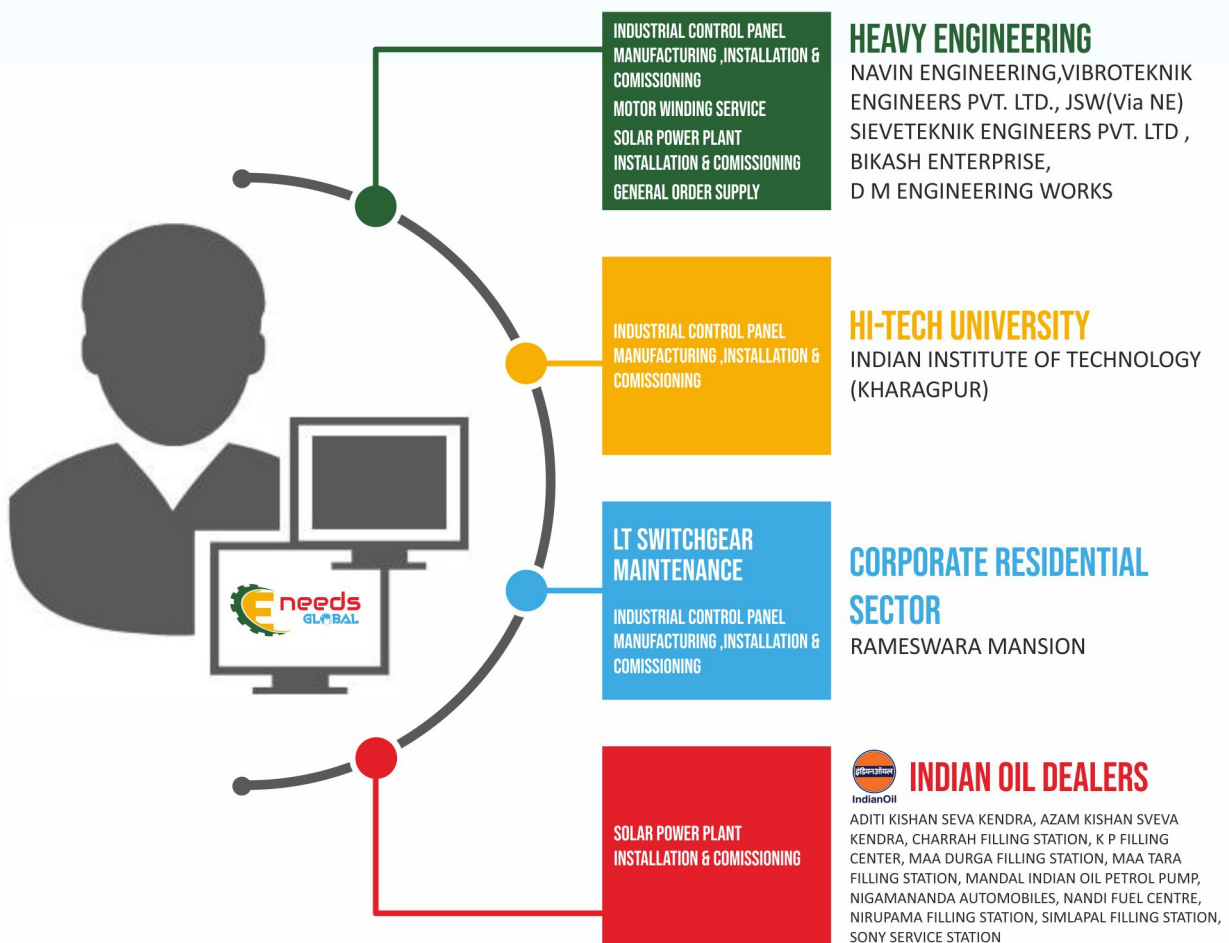
OUR QUALITY POLICY DETERMINES THE WANTS AND EXPECTATIONS OF THE CUSTOMERS TO MAKE SURE THEY ARE SATISFIED BY SATISFYING THEIR NEEDS WITH OUR QUALITY ABOUT ELECTRICAL CONTROL PANEL.

We are dedicated to keep health and safety management as a fundamental component of our business operations with the creation of high-quality structures in an eco-friendly manner. We Always Maintain the Build Quality & Performance Accuracy For Our Production Of Industrial Control Panels and Their Related Items With Our Effective Quality Control Team.

OUR POLICY FOR THE INSTALLATION OF A SOLAR POWER GENERATING SYSTEM OUTLINES THE PRINCIPLES AND GUIDELINES TO ENSURE THAT THE INSTALLATION PROCESS MEETS HIGH STANDARDS OF QUALITY, SAFETY, AND CLIENT SATISFACTION.

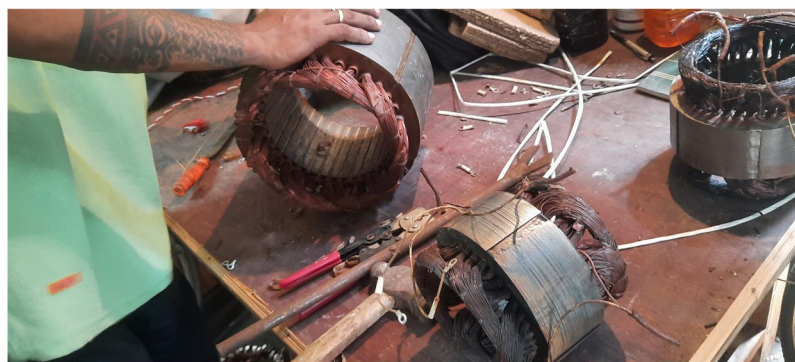
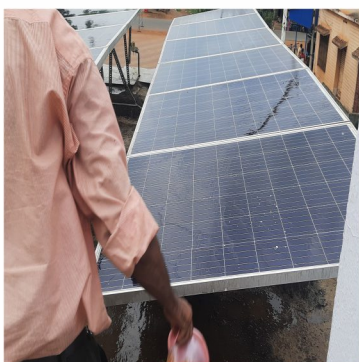
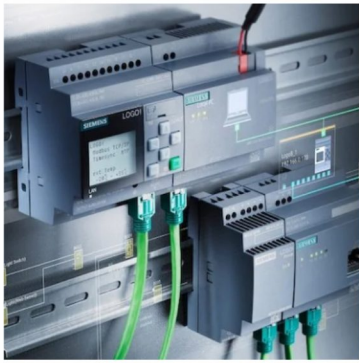
We are dedicated for our clients to deliver projects on time, within budget, and to the highest quality standards. We implement rigorous quality control and assurance processes throughout the installation life cycle. We invest in the continuous training and development of our workforce to ensure they possess the latest skills and knowledge in solar technology and installation techniques.

OUR CLIENTS



GALLERY





Achievements

Leading the Way: E Needs Global Celebrates Another Year of Outstanding Achievements!

E Needs Global has been incredibly successful throughout the years and has received a lot of praise for its exceptional achievements. Our accomplishments, which range from ground-breaking concentrations to unmatched customer services, are proof of our steadfast dedication to excellence. Along the process, we have continuously exceeded goals, creating new territory and standards for the industry. We have received multiple honours and distinctions for our commitment to innovation, morality, and client pleasure, which has solidified our position as a leader in the industry. We continue to push the envelope of what is possible and create a positive impact, and when we take stock of our accomplishments, we don't waver in our pursuit of perfection.

IF WE GET THE OPPORTUNITY, WE ARE READY TO ACCOMPLISH GREAT TASKS TO PROVE OURSELVES.

Deals With Brands

 Allen-Bradley

ABB

 **CONTROL
TECHNIQUES**

KEB



Finolex

inv

Lenze

Rexroth
Bosch Group

FE
Fuji Electric

POLYCAB
IDEAS. CONNECTED.



Schneider
Electric



DELTA

Danfoss

vikramsolar
CREATING CLIMATE FOR CHANGE

Inovance

LS

OMRON

SIEMENS

PHILIPS

KOLLMORGEN

YASKAWA
The Drive for Quality™

MESCB
Smarting

LUMINOUS

OMRON

MICROTEK
TECHNOLOGY WE LIVE



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