

Electro Energy Egypt

إلكترو إنرجى إيجيبت



E
Electro Energy Egypt
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Company Profile

- The company has formed its teams of specialist using most modern art of technology of construction equipment to maintain its serious progress towards the intended quality.
- It has now become a young professional and dynamic corporation that adopts true quality at every stage of power projects construction.
- The company goes on to operate without sacrificing its principles pursuant to corporate objectives in order to contribute directly or indirectly to national economy and to place its brand in global positive orbit.

Vision

- To be a world-class EPC main contractor, recognized as a construction leader in the field of Electrical power Systems, Wherever we operate, we act in a responsible way, reliable and customer friendly, based on a firm set of values and business principles, Bearing in mind the humanitarian needs of the company employees.



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What We Do

► Construction

● Solar Power Station

- Complete System provider
- Design
- Civil Work
- Installation, Testing, Commissioning & Start Up

● Design

- Primary Design
- Secondary , Sizing , Calculation
- Protection Coordination.
- Civil Design.

● Erection, Installation

- Generators, Turbines, GIS and conventional HV equipment indoor/outdoor, Transformers, Capacitors, Reactors.
- Switchgear, Control, protection, AC & DC panel boards , Cable laying, Pulling & cable terminations control and power

► Manufacturing

● Panel Building

- ACDB, DCDB, Protection, Control Panels.
- Distribution boards, all electrical Panels.

► Service

● Consultancy & Project Management

- Project Management Consultancy.
- Projects execution Consultancy.
- Testing& commissioning Consultancy.

● Maintenance & Overhauling

- Maintenance of Generation Station& Substations.
- Maintenance of Distribution Panels & Transformers
- Maintenance of (Control, Protection, ACDB, DCDB..)

● Testing & Commissioning

- Generation & Substation Testing
- Transformer , all Panels Testing

● Training

- Test Equipment Training
- Protection, Control, Scheme Training.
- Design Training.



● Construction Division

► Solar Power Station

● **E** is targeting the clean energy market, we provide a complete solar power plant Starting from 100 KW up to 50 MW, EEE has a firm and strong dealing with first class solar panel manufacturer, we can supply all type of residential or commercial panels, **E** offer solar solution for all customer either private or governmental, **E** system is design to deliver more energy and greater saving.

● We are designing, sizing the whole project requirement both Civil and electrical works.

● **E** is also design & Manufacture the Steel Structure and any necessary steel supports.

● Civil works execution, Erection, Testing & Commissioning is what we are specialist.

● Startup & Energizing of completed projects either off grid or ON grid connected.



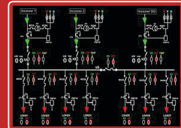
► Design Office

● Complete MEGA power projects design office, Primary, forces& load calculations, civil, civil guide, steel structures and gantries.

● Secondary, Scheme, Protection & control panel design, SLD, PLG, general layout, wiring& cable termination .

● CT, Cable sizing and load calculation.

● Protective relays coordination & setting calculation.



► Erection, Installation of power station

E is capable to erect and install all generation , EHV & HV station equipment such as but not limited to gas insulation and conventional switchgear starting from 0.4 KV up to 220 KV , including panels supporting , cable trays , cable laying & termination , Bus bar connection , gas processing

● Also we have wide experience of power station upgrading and extensions, relays and control equipment replacement.





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Manufacturing & Trading Division

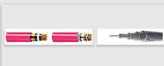
▶ Panel Boards Manufacturing

- We are manufacturing extremely high quality panel boards, using most modern computerized CNC machine and first class powder coating line, this is coming due to the cooperation and joint venture with our Saudi sister company National Excellence for Construction & Energy "NECE" and is affiliation Alnafie Steel
- Using the highest material quality, EEE is assembling its panels, wires from Alfano or equivalent, Terminals from Weidmuller or equivalent, auxiliaries from Siemens, ABB, GE or equivalent.
- All type of panels we do, ACDB, DCDB, Control ,Protection, distribution & Sub-boards with any specific IP.
- Complete factory test using professional quality and testing engineers.

Trading

is one of the distributors for many international companies.

- NECE – Saudi Arabia (Testing & Commissioning Service).
- Alnafie Steel & Alnafie for metal industries – Saudi Arabia (Panel boards , Steel sheets, Steel Structure).
- Alfano – Saudi Arabia (Cables, Panels, Transformers, MCB, MCCB).
- Trafo Elettro – Italy (Transformer Manufacturer).
- GVD – Turkic (Panel Manufacturere).



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▶ Service Division

▶ Consultancy & Project Management

- Over than 25 Years of expert engineers, we are taking care of our customers, EEE provide all necessary technical & commercial support before and during project execution.
- Study tenders, provide clarifications, highlight risks and perform risk assignments.
- Providing project management and time schedule proposal for turnkey projects, supervising project execution using expert project managers.
- Attending projects testing & commissioning on behalf of our customers, Achieving, fulfilling our Client specs and requirement up to project handling over and starting up.




▶ Testing & Commissioning

Using the most modern test equipment from reputable manufacturers (Omicron, Megger, Dilo, High Volt) EEE has a professional, Qualified and wide experience team in the field of testing & commissioning of power system
We are testing the following:

- Generation station including rotors , stator ,exciter ,Auxiliary systems , Turbine , protection system , DCS & MCC panels.
- Sub stations testing including relays of all manufacturers , scheme & function test , protection , control panels , primary & secondary injection, GIS ,indoor & outdoor switchgear up to 500 kv systems , fault & event recorders , Bus bar protection system , Stability test , AC & DC panels , Batteries & Battery chargers , End to End , start up energizing , On site training and factory test.
- Transformer testing for all ratings including Turns ratio, winding Dc resistance, Tan Delta, vector group, calibration of Oil & winding temperature.




🌐 Maintenance & Overhauling

Using highly trained and wide experience team  are capable to maintain all kind of power station equipment such as generators , switchgear , transformers , circuit breakers , disconnector switches , relay, control and auxiliary panel system , we are performing per scheduled preventive maintenance , trouble shooting and Major overhauling maintenance.



🌐 Training

 Established the first specialist private training center for testing & commissioning engineers, qualifying the fresh graduate engineers and changing the career of any electrical engineer to T&C, market is booming and T&C are highly required especially in gulf area.



 is also nominating the talented engineer to a potential T&C vacant job with our sister company "NECE" in Saudi Arabia, agreement with RAWAJ) one of the first class recruitment companies in Egypt" to nominate the trained T&C engineers for Saudi. market jobs.





Provided Course:-

- "How to use modern test equipment" like FRIJA306 Megger, CMC 356 Omicron.
- How to test Simple protective relays "Over current- Earth fault, DOC, DEF"
- How to test advanced protective relays "Synchronizing, auto re-closure, distance, line differential"
- How to understand and read drawing, schematic diagram, interlocking principals.



➤ Quality

 has a strong and firm quality assurance system following local and international instructions, needs, requirements & codes.

 employees are quite trained and have the necessary experience about the meaning of quality and quality assurance system, our goal is gaining customer satisfaction using highest quality service



➤ Client

We are targeting mainly Egypt Electricity Company, Saudi Electricity Company (SEC) , Orascom, ElSwedy , Arab Contractors, EGEMAC, and all grate organizations are our targeted clients , in addition to international organizations such as Siemens ,ABB, GE, Alstom , AREVA & Schneider , Also we are cooperating with all main local contractor to uphold our country contribution

Our policy with our client is clear and firm, we are looking for our client satisfaction providing the utmost quality service.



➤ Career Jobs

We are looking for talented and highly qualified electrical engineers, if you have Testing and Commissioning experience please post your CV to the down below e-mail, if you don't have and would like to become T&C engineer to have a Job opportunity please Joint our training courses.

rec@eee-eg.com





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Affiliations

Electro Energy Egypt is the sister company with

NECE is manufacturing , Trading & Contracting Company NECE Trading division is supplying all necessary electrical Component Which Consists Of the Power Plant Such as Transformers (Specially The dry Type) ,Panel boards & Cables From international Brands .



Al - Nafie Steel Co . has Commenced merchandising and importation of steel and allied products including stainless steel , aluminum and brass since the year 1979 in different specifications of European , American and Japanese origins

Out of Our rich experience accumulated in the last 30 years in this field , Al-Nafie Steel Co ,has gained good ideas of the requirement Of our local market in particular and the neighboring countries markets in general for the required items ,sizes and specifications

Pioneers It was founded by a Team of competent Professionals Who has over 18 years of experience in the Technology field and more than 10 years in ERP Industry with the mission of "delivering the optimum it Solution for your company "

As a Microsoft Certified Partner , Pioneers IT Professional services in the development , implementation , Training and Support of integrated business management systems , fully focused on Microsoft Dynamics ERP and CRM Solutions , and their Specialized addtions



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