

———— **SQUARE E**
For ELECTRICAL INDUSTRIES
———— Your Partner For Success ————



SQUARE E
ELECTRICAL INDUSTRIES



About us:

- **SQUARE E** is a company based in Egypt that specializes in manufacturing and integrating Low voltage panels, starting its founding in 2008.
- With its expertise in panel building and access to a wide range of Low voltage products, **SQUARE E** has established itself as one of the leading panel builders in Egypt. **SQUARE E** has a large stock of Low voltage products which allows it to manufacture and deliver projects in the shortest delivery period, based on the availability of these products.
- In 2021, A contract was signed with Schneider Electric Company as a panel builder which allowed us to have greater competitiveness in terms of prices, delivery periods, and specifications.
- Over the years, **SQUARE E** has worked on numerous projects, ranging from small-scale installations to large projects. The company has a team of skilled technicians and engineers who work closely with clients to deliver customized solutions that meet their specific needs.

- **SQUARE E** provide Quality and after sales services with the highest level of competence with commitment to health safety and environment awareness.
- **SQUARE E** is involved with a variety of electrical works, ranging from: Domestic to Industrial Installations and Electrical Contracting.
In conjunction to our general electrical works.

WHY SQUARE E ?



**BEST
PRICE**

**MINIMUM
TIME**

**MAXIMUM
QUALITY**

Our Mission:

- **SQUARE E** is committed to provide high service levels in all aspects that exceed our client's expectations with sustainable solutions and always taking initiatives that make us steps away from the competition.

Our Vision:

- **SQUARE E** vision is focused on raising the company's profile in the local and regional markets by providing quality products and services that meet and exceed customer expectations.
The company is committed to establishing its own identity based on a strong reputation for quality and customer satisfaction.



OUR PRODUCTS:

❖ Low Voltage Main Distribution boards:



- Ratings up to 6300A - 690V – 100KA 1s Icw
- High level of safety by design verification according to IEC 61439-2.
- Personnel and switchboard safety in case of internal arcing proven by means of testing according to IEC/TR 61641.
- 3 and 4 pole bus-bar system.
- Internal separation from:
form 1 up to form 4b (IEC 61439-2).
- IP degree of protection up to IP65 (IEC 60529).
- Indoor and outdoor applications.
- Modular switch board with variable designs:
Fixed, withdrawable.
- Variable feeder designs:
Power Factor panels, MCCs, ATS panels,
Synchronization panel.

- **Material:**

Enclosure is manufactured from sheet metal
2.0 mm and 2.5 mm.

- **Surface treatment:**

Powder coated or galvanized.

❖ Sub distribution board:

- Framework for currents up to 630 A for different applications.
- IP degree of protection IP42 – IP54 – IP65 (IEC60529).
- All available in wall, floor and flush mounting.
- Indoor and outdoor applications.
- Material:
Enclosure is manufactured from sheet metal
2.0 mm or 1.5 mm as required.
- Surface treatment:
Powder coated or galvanized.



❖ Distribution boxes:

Types:

- Flush Mounting Distribution box (IP42).
- Floor mounting Distribution box (IP54).
- Wall mounting Distribution box (IP54).
- Enclosures with different dimensions.
- Metering cabinets.

Characteristics:

- From 6 line to 54 line.
- Incoming MCB or MCCB.
- Line panels or vertical panels.
- With bus-bar or without bus-bar.



❖ Manual & Automatic Transfer Switch (ATS):

To ensure continuity feeding Emergency loads without interruption,
We implement automatic transfer panels of all types.



❖ Power Factor Correction panels:

The power factor correction panels are designed to improve the power factor in electrical systems while ensuring energy and cost efficiency. They are suitable for a variety of processing plants with fluctuating loads, such as steel plants, chemical plants, paper mills, and automotive plants.



❖ All types of stainless-steel formation:

(MDBs, panels, distribution boxes and different applications.)

- **SQUARE E** is a pioneer in the manufacture of stainless-steel panels in Egypt with the highest quality and the best price.
- Our experience in this field comes from the implementation of major projects in different market segments such as industry, oil & Gas.
- We specialized in stainless-steel custom-made products:
 - Electrical distribution panels.
 - Enclosures for different application.
 - Special solutions for emergency on sites.
 - panels up to IP66.
- Thickness: 1mm-2.5mm.
- Grade: 304/316/321 Stainless Steel.



❖ Cable trays:

- Cable trays are essential for any project, at **SQUARE E** we can produce high-quality cable trays in a variety of shapes and with a variety of surface coating.
- Cable trays are made of either steel or aluminum.
- Available in six basic types:
 - Ladder Type Cable Tray.
 - Solid Bottom Cable Tray.
 - Trough Cable Tray.
 - Channel Cable Tray.
 - Wire Mesh Cable Tray.
 - Single Rail Cable Tray.



Engineering services:

SQUARE E offer a range of specialized engineering services primarily to clients in the energy and infrastructure sectors.

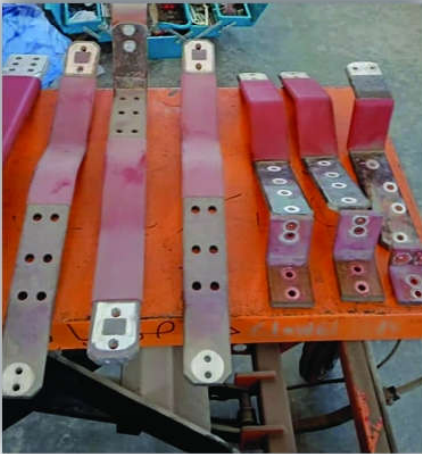
Our engineering services is offered by a team of highly qualified professionals who meet the highest quality standards while ensuring a high level of care and attention to detail that our clients expect.

Retrofit

We execute retrofit projects with the main goal of enhancing performance, increasing efficiency and realizing our clients' advancement objectives.

Our retrofit services include:

- Expansions and extensions of installed systems by adding new equipment or functionality.
- Replacement of worn parts or outdated equipment components.
- Upgrade to next-generation hardware and software Switching Device upgrade.



Maintenance

SQUARE E offers unprecedented predictive and preventive maintenance services with the main objective of risk minimization, cost reduction and preventing unplanned equipment shutdowns.

Our maintenance services include:

- Preventive maintenance: routine planned maintenance for panels (MV & LV), breakers (MV & LV) and transformers.
- Predictive and corrective maintenance.
- Protection and control.



Installation, Testing and Commissioning:

We handle electric installation projects from start to finish, including the design, selection, construction, inspection and testing of the installation, as well as the systematic examination of the installation site, safety management and risk assessment.





Complete maintenance contracts:

SQUARE E has a crew specialized in maintenance in many electrical fields, such as Electrical switchgears (MV & LV), Transformers, Generators, protection relays, UPSs, baterries and battery chargers which enables it to conclude periodic maintenance contracts with many companies in the field of oil, gas, construction, etc.

Training

Our training programs for:

- Electrical power distribution system.
- Protection and Control Relays for all Power System Equipment
- Low voltage panel structure.
- Bus-bar system
- Electrical Design.
- Tendering.

Some of our previous projects:

- El Dabaa Nuclear Power Plant.
- Haya Karima in Fayoum and Beni suif.
- New Administrative Capital.
- New Alamein City.
- Helwan Hospital.
- HSBC Bank in Maadi City.
- Mash Prieme Factory.
- EMC Administrative buildings for UGDC Company.
- COCA COLA factory in 6th October city.
- Play time parks.
- INSUTECH Factory.
- Salam Factory in 10th of Ramadan city.
- Beni-Suef Power Plant.
- Kayan in new admin. Capital.
- WATTANIA Plast.
- ElKatamya Downtown.
- 5A water way mall in new cairo.
- Water treatment plant in Belbis.
- Adm. Building NPC project.
- Supply Low voltage panels in Sinai Cement Company.
- Complexe maintenance contract for PETROBEL Company at all PETROBEL fields.
- YKK factory.
- MSE for papers.
- Sucker rod pumps control panels at PETROBEL Company.
- MSA university





SQUARE E

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15+ Years of Experiences



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