ABOUT US

EAMFCO is a leading manufacturer of LV Electrical panels. Our company is professionally managed with over-qualified, experienced and trained personnel, modern equipment and state of the art production facilities. We started out as a small assembly unit in 1975, building a sturdy reputation over the years and an infrastructure to take pride in. Today, EAMFCO is a company with an area exceeding 12000 sqm. We manufacture, test and are successfully commissioned in all kinds of LV panels, up to 6300A ratings. Our strength lies in our prompt and precise delivery and in our client satisfaction at every stage.

OUR MISSION

We started with a mission to manufacture and supply quality LV panel, and our quality management system has been certified to ISO 9001 -2008 since 2002. We have designed and manufactured various kinds of LV panels to custom requirements, employing cost effective measures in the design and manufacturing of the panels in order to maintain competitiveness.

OUR PRODUCTS

Our products have earned an esteemed list of clients from various kinds of industries such as, the engineering industry, the chemical industry, the petroleum industry, as well as hospitals, universities, and residential projects.
EAMFCO is concerned with the manufacturing and assembly of LV-type tested panels, switch boards, MCC panels, APFC Panels, Generators Synchronization Panels, ATS Panels, Unit & Package Sub-Stations, Switch Racks, Final Distribution Panels, and Control Panel boards. In accordance to the conventions of modern technology and strategic planning techniques, the company manufactures advanced-quality and sophisticated control panels and switch-gears. The products are manufactured using state of the art machinery, tools, and equipment with the help of expert engineers and technicians.

All the products are fully tested and verified by professionals to ensure trouble-free operations.

**OUR GOALS**

Today and for the future are to focus on achieving and maintaining an annual steady elevating growth of business by implementing customer oriented strategies as well as flexible, progressive, reliable and competitive company policies.

We have been growing exponentially under the able guidance of our President, MR. ABD EL KADER S. ABU JABARA. His enriching industry experience and knowledge form the foundation of our company.

**PRECEDENCE**

Starting at the top, the upper level management at EAMFCO defines and documents the Policy and Objectives for and commitments to quality in our products. Our Company Officer ensures that the QA policy is understood, implemented and maintained at all levels in the organization, and because they are confident that all EAMFCO employees are dedicated to manufacturing quality products, our officers have delegated specific responsibilities and the authority to implement the company’s quality assurance upon certain individuals.
2500A switch board
LOW VOLTAGE SWITCH BOARD

Low- Voltage switch boards cover a wide range of switch boards for various purposes. The switch boards are suited for the demanding needs of industries, power plants, and the energy of utilities and various buildings. EAMFCO LOW-Voltage switch boards are engineered and manufactured in accordance to the customer’s requirements.

In EAMFCO we pay special attention to safety, reliability, ease of installation and usability. EAMFCO switch boards are manufactured with normal ratings, up to 6300A, with installed feeder sections and bus-coupler arrangements also at your disposal. Alongside that, Bus duct arrangements to transformers or interval panel sections can also be fabricated.

- Full freedom of choice in the selection of electrical equipment with regard to type and manufacturer of breakers for fixed, and with drawable versions.
- EAMFCO switch board designed in accordance to IEC 61439
- Degree of protection: IP 43, IP 55, IP 65
- Segregation level: up to form 4B is also available
- 99.99% tinned copper purity bus bar
- Option of RAL 7032 colors finish or your choice of finish
- Rated voltage 690VAC
- Rated insulation voltage 1000V
- Rated frequency 50/60 Hz
- Rated current up to 6300A

Main switch board with ATS Make before Break
Draw Out MCC
LOW VOLTAGE MOTOR CONTROL CENTER (MCC)

Assisted by the proficient EAMFCO Team members, a range of quality motor control center (MCC) panels are also manufactured by us. These are made of Premium grade components to ensure optimum performance. We have designed and fabricated these systems as per the advanced technologies and modular construction with flexible bus designs.

This provides the system with easy construction, installation, and operability. Different kinds of starters are used, such as the automatic star delta, the direction-liner, the soft starter, variable frequency drives and others.

- Constructed with individual motor starter sections up to Form 4b
- Connected from the top, the bottom or the side of the panel
- Manufactured with a Cable connecting compartment
- Ensured high personnel safety
- Completely free option of selection of electrical components
- Free choice regarding height, width and depth
- Both front and rear side accessibility option

2000A, MCC

800A, MCC
Form 4b Main Distribution Panel
LOW VOLTAGE PANEL BOARD

We design our panels with the experience gained from installation contracts kept in mind. This results in safety assurance concerning the operating personnel, safety of the equipment, ease of maintenance, installation and commissioning.

The design incorporates a series of safety and convenience features, which meet the requirements of international standards along with compliance to the local standards and requirements.

We offer a wide range of power distribution panels that are used to distribute direct current power from one supply to other devices, with their main task in the power distribution panel being to monitor and protect the systems.

- Custom Design
- Bus bar rating up to 4000A
- Cubicle type compartmentalized construction
- Free standing, floor mounting
- Extendable on both sides
- Cable entry from top or bottom
- Up to form-4 construction
- Front and Rear Access
- Single-Double Bus bar System
- Auto Source change over
- PLC Logic for source change over
- Distribution panels suitable for outdoor installations

Distribution Panel

Form 2b Distribution Panel

Distribution Panel
4000A, Type Tested Panel
TYPE TESTED PANEL

A range of low-voltage type-tested switch-boards are designed and assembled by EAMFCO to suit the client’s requirements. EAMFCO also manufactures a range of partially and fully type-tested LV panels in accordance to market-leading modular construction systems, cubic modular systems, Schneider Prisma Plus, and ABB ArTu, in order to accommodate all your requirements. EAMFCO manufactures main and sub-main distribution boards with ratings from 250A to 4000A in varying forms of separation from form2 to form4, All EAMFCO switch board assemblies’ comply with the IEC 61439 standard.
GENERATOR SYNCHRONIZATION PANELS

Synchronization panels are mainly designed and used to meet power system requirements. These panels function both manually and with an automatic synchronizing function for one or more generators or breakers. They are widely used in synchronizing generators and offering multiplex solutions.

Our high quality range of DG synchronizing panels is available with capacities that reaches 10000 A, and are fabricated by our engineers using premium quality electrical components including copper bus bar, insulations, wires/cable, PVC channels, transformers, meters and switches.
AUTOMATIC TRANSFERS SWITCHES (ATS)

Automatic transfer switches are used to automatically change over from the main electrical supply to stand-by generators or generate on failure of the main supply. When the main supply is restored, the system automatically changes back and stops the generator. The stand-by generator will eventually be shut down after a short cooling down period. These panels are provided with mechanically or electrically interlocked pole contactors or MCCB. And are:
- Operated both automatically and manually.
- Employ a Breaker closing time delay instilled in order to avoid current and voltage surges.
- Employ automated sensing for:
  - Under voltage
  - Phase failure
  - Phase sequence
- Instilled with Generator start/stop commands
- And Indicate:
  - Incoming voltage
  - Engine running/faulty conditions
  - MCCB On/Trip conditions
- Engine tests run position for routine test of engines.
- Status signals for remote indications.

3000A ATS with Distribution Panel
2000 KVA Package substation
PACKAGE & UNIT SUBSTATION

Package substations are all factory-assembled and tested. They are designed and manufactured in order to satisfy the customer’s specific requirements.

There design engenders a high level of flexibility that covers a wide range of applications.

The package substation is a combination of the Ring Main unit, The Transformer and The Low-Voltage panel.

A unit substation is a combination of a Transformer and a Low-Voltage panel. These substations are used for effective electrical power distribution in medium voltage to low voltage distribution systems.

They are:

• integrating SF6 insulated Ring main units with various configurations’
• integrating oil or dry type Transformers
• integrating metering and protection

And can ensure:

• High operation reliability
• Operating personnel safety
• That they are suitable for building, infrastructure and industry.

All interconnecting equipment between medium voltage, transformers and low voltage are factory tested.

160 KVA lighting substation
Double side switch Rack
SWITCH RACKS

EAMFCO is capable of designing and manufacturing specialized switch racks, suitable for nearly all applications. The switch racks are produced appertaining to contractors’ wiring-diagrams and schematics. Bus bar enclosures, made of high quality materials may be adjusted with the switch racks to ensure durability and endurance of the installation.

- Dual sided switch racks provide complete motor control centered in the integrated package.
- Outdoors and indoors.
- In damp, wet or corrosive locations such as sewage treatment plants, petroleum refineries, pipe lines and chemical and petrochemical plants.
- All switch racks are completely wired and factory assembled.

EAMFCO’s specializes in manufacturing custom built racks to accommodate your exact requirements.

Double side switch Rack with MCC
FINAL DISTRIBUTION BOARD
(Lighting/power Distribution panels)

Our range of lighting panels and power distribution panels successfully serve the purpose of distributing power for the lighting system of panels.
These power distribution panels are manufactured by our team of diligent professionals who have years of experience, furthermore, these panels are quality tested in accordance to precisely defined parameters before being delivered to our clients.
• EAMFCO Custom-built distribution boards are available in range from 100A to 400A, 415/240/120VAC
• Available from 6 way to 72 way
• RCD (Residual-Current Devices) or RCBO
• (Residual Current Breakers with over current protection) can also be instilled.
• Protection Degree: IP 42, IP 55, IP 65
• Manufactured with flush and surface mounting
• Finished with polyester epoxy powder paint RAL 7032 (Other colors available on request)
CONTROL PANEL

We are one of the leading manufacturers and suppliers of a wide range of electrical control panels. Our range offers changeover panels, relay panels, PLC panels, HVAC panels, marshalling control panels, and DDC panels.

We offer high performance control panels that are capable of giving higher output and consuming less power, which are all manufactured from high quality raw components. These control panels are based on bolted construction that provide the facility with extended future expansions on all levels, as we also meet all customized requirements to ensure our clients’ benefit.
AUTOMATIC POWER FACTOR CORRECTION PANEL (APFC)

Our clients can also benefit from our extensive range of APFC panels that expedite the automatic power factor control panel. These panels are fabricated and designed to ensure the preservation of maximum energy and power. Manufactured to be used in the AC power distribution system terminal, these panels increase power while reducing the circuit loss, improving the output of the transformer in order to guarantee an economically orientated motor. It is used in parallel with the motor and the inductive load to automatically track and compensate the frequency factor.

APFC panels are highly efficient in accurately monitoring the reactive power in power systems, resulting in the sustainment of energy.
photos of some projects were EAMFCO has supplied some different kinds of Panel Boards.
Management system as per
EN ISO 9001 : 2008

in accordance with TÜV NORD CERT procedures, it is hereby certified that

Electrical A Modern Factory Co. (EAMFCO)
P.O. Box 422, Dammam - 31411
Kingdom of Saudi Arabia

applies a management system in line with the above standard for the following scope

Manufacturing & Marketing of Distribution, Lighting control panel Boards & sub station, street & garden lighting poles, cable tray system and steel fabrication 1000 ton

Certificate Registration No. 04 100 020799  
Audit Report No. 3507 8946
Valid until 2014-05-22
Initial certification 2002

C. Bräutigam
Certification Body
at TÜV NORD CERT GmbH
Essen, 2012-05-15

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

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