



COMPANY PROFILE





CEO MESSAGE

"One Stop Solution for your all industrial Needs"

"**VOLAMP** Engineering Solutions" has been in the switchgear business since 2018. It was established with a vision of these essential factors for all types of low voltage switchgear products.

- Unique quality
- Optimum performance
- High reliability
- Express deliveries

In **VOLAMP**, we place our employees and clients as our top priority and we are committed more than ever to provide not just quality products but be in line with keeping up with the new and always evolving technology each year.

At **VOLAMP**, our panels are fully compliant and have passed the strict standard tests with various certificates and fully compliance to the industrial standards.

We are dedicated to maintain our good reputation to meet the needs and expectations of our client's requirements.



Thank you

Muhammad Waseem
CEO



INTRODUCTION **VOLAMP** ENGINEERING:



Welcome to VOLAMP Engineering –
your one-stop solution for all your electrical needs!

At VOLAMP Engineering, we're not just another company – we're experts in the electrical industry, committed to delivering the highest-quality products and services to our clients.

Our mission is to build long-term relationships with our clients and working partners. That's why we go above and beyond to maintain the highest standards of integrity in everything we do. Ensuring that our clients have access to the best products and services that meet the highest industry standards.

With our extensive expertise and cutting-edge technology, we offer a range of solutions to meet all your electrical needs. Our services include switchgear manufacturing, renewable energy, electrical power products, energy-saving devices, and more!

So why choose VOLAMP Engineering? With our commitment to quality, safety, and integrity, we're not just a company – we're your trusted partner in the electrical industry. Let's work together to power up your success!



VISION STATEMENT:



Our company plays a significant role in providing a diverse range of LT (Low Tension) Panels, fabricated using top-notch raw materials obtained from reputable market vendors. The products are highly esteemed in the market for their ability to effectively cater to the evolving requirements and preferences of customers. Available in various sizes and specifications, these panels can be customized to suit the specific demands and expectations of our customers.



MISSION STATEMENT:

At **VOLAMP**, our mission is to deliver innovative and customized engineering solutions to our clients, while prioritizing safety, quality, and reliability in every project. We aim to exceed expectations by leveraging our in-house expertise and resources, and by fostering a culture of excellence, professionalism, and social responsibility. We are committed to building long-lasting partnerships with our clients and stakeholders, and to contributing to the sustainable growth of the engineering industry in Pakistan and beyond.



SWITCHGEAR SECTION

At **VOLAMP**, we're your go-to source for top quality Electrical Panels. Our state-of-the-art products are crafted from only the finest raw materials, so you can trust that you're getting the very best. Plus, our Power Distribution Panels come in a wide variety of sizes and widths, and we're always happy to customize to your exact specifications. So why settle for anything less? Experience the **VOLAMP** difference today!



Cable Trays



Main LT Panels



**Power Factor
Correction Panels**



**MCC Panels
(Motor Control Centre)**



**PLC and Instrument
Control Panels**



**ATS / AMF Panels-
Auto Transfer
& Auto Mains
Failure Panels**



**Bus Tie Ducts
for Connection
from Main
Transformer to LT.**



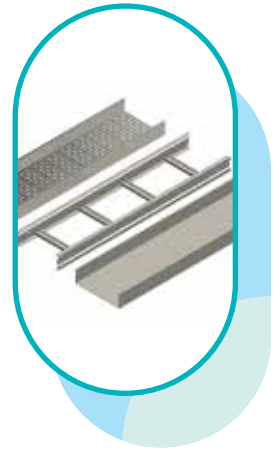
**Power Distribution
Boards / UPS
Distribution Boards**



**Load Sharing &
Synchronization
Panels**

OUR PRODUCTS:

- Low Tension Panels
- Synchronizing Panels
- Feeder Pillar Panels
- PFI Panels
- Motor Control Center
- Bus Tie Ducts
- AMF/ATS Panels
- Distribution Boards
- Cable Trays & Ladders



HIGH TENSION PANEL

We are instrumental in offering a wide gamut of HT (High Tension) Panel to our valued patrons. Offered range of panels is manufactured using supreme grade raw material that are procured from the most valued vendors of the industry. Moreover, these panels can be availed in various sizes, grades and other specifications as per the patrons needs and demands.

Some features are:

- High performance
- Fine finish
- Robust construction
- Low power consumption



LOW TENSION PANEL

VOLAMP Engineering is dedicated to being at the forefront of the electrical industry's transformation by providing superior products and services that meet and exceed the industry's stringent standards, with a goal of becoming the top provider in the field. We believe that adherence to strict quality standards is essential to becoming an industry leader. That's why we meticulously source our raw materials from reputable vendors and employ rigorous quality control measures at every stage of the manufacturing process. This ensures that our products are efficient, durable but also safe, and compliant with industry regulations.

Available with us is superior quality Low Tension Panel to the esteemed customers at highly competitive prices. These are designed in compliance with the international quality standards by our team of highly skilled experts. Owing to their easy installation and precision engineering, these panels are widely used in electrical and engineering industries. In our range, we offer Main Voltage Panels, Distribution Panels, SDB, MSB, DB, Metering Panels and others to our customers.



Some features are:

- Low maintenance
- High performance
- Easy to install
- Sturdy construction



DISTRIBUTION BOARDS

A distribution board (also known as panelboard, breaker panel, or electric panel) is a component of an electricity supply system that divides an electrical power feed into subsidiary circuits, while providing a protective fuse or circuit breaker for each circuit in a common enclosure.

Power Distribution Boards:

We provide custom built Distribution Boards to our customers. These Power distribution boards are available in the all range. The products are extremely easy to install owing to their modular design. This design provides them high flexibility thus saving a lot of time during installation. Manufactured using premium quality raw material, these products are widely acknowledged as a complete solution for power distribution.

Lighting Distribution Boards

We manufacture custom designed Distribution boards used in final distribution to lighting and other loads. These are wall mounting type and manufactured suitable for indoor as well as outdoor installations.

We offer quality Lighting Distribution Boards. These are known for their design, reliable performance and durability.



AMF/ATS PANEL

A transfer switch is an electrical switch that switches a load between two sources. Some transfer switches are manual, in that an operator effects the transfer by throwing a switch, while others are automatic and trigger when they sense one of the sources has lost or gained power.

Our company holds expertise in offering finest quality Automatic Transfer Panel to our valuable customers. Owing to their automated operations, impeccable finish, robust design and easy maintenance, these panels are highly demanded in the market. Offered panels can be customized as per the specifications provided by the customers.

Features:

- Convert switch controller the work is dependable and is easy of comprehension and have LCD the data and appearance show to control a button with operator.
- Controller all data and various postpone at a time when and all can regulate but have never needed to use service tool on the scene.
- ATS series conversion switch cabinet at urgent, back up, can choose back up the power applied situation, provide the supervision, generator set of city electricity and city electricity or city electricity and generator set the power to start to convert with load.
- The sum of ATS series conversion switch's settling electric current is continuous, can be applied to its Ming card sum settle parameter the following of all situations.
- Machine and the electricity dual allied lock allocation, keep two road the power (the city gives or gets an electric shock 1 give or get an electric shock with city 2 or city electricity and generator set) from throwing in the meantime load and control circuit short circuit.





SYNCHRONIZING PANELS

Synchronization panels are mainly designed and used to meet power system requirements. These panels provide manual as well as automatic synchronizing function for one or more generator breakers. They are widely used in synchronizing generators and offering multiplexing solutions.

Features:

- Equipped with a manual over-ride control. Stable operation even for sudden variations in the load.
- Auto load shedding facility can be incorporated by suitable programming of PLC.

PFI PLANT

The power transmitted from the power plant to the power stations, from the power stations to the industries and from the industries to the machines results in large power losses due to the inductive loads. The pure inductive loads results in lagging power factor while the pure capacitive loads results in leading power factor and the pure resistive load do not have any effect on power factor.

Maximum motors offer Inductive loads, thus increasing the power losses. $\text{Watt} = \text{Voltage} \times \text{Current} \times \text{Power Factor}$ $\text{Power Factor} = \cos \theta$ where θ is the angle between voltage wave & current wave called the phase angle. Smaller the phase angle, smaller will be the power losses. To improve the power factor, capacitors are installed in parallel with the mains supply that offer leading power factor, and thus neutralize the effect of lagging powerfactor due to inductive loads.



Features:

- Modular concept, expandable design.
- Advanced microprocessor relay to ensure accurate power factor correction in the installation.
- Aesthetically designed enclosure, vermin & dust protected.
- Flush mounted meters to indicate line voltage and current.
- Protection against high inrush current at the time of switching.
- Ready to use design confirming to latest standards.





MOTOR CONTROL CENTER (MCC)

A motor control center (MCC) is an assembly to control some or all electric motors in a central location. It consists of multiple enclosed sections having a common power bus and with each section containing a combination starter, which in turn consists of motor starter, fuses or circuit breaker, and power disconnect.

We are recognized as one of the leading manufacturers of Motor control centre (MCC) panels. These have the capacity to feed larger loads and are designed as per the client specifications. The MCC panels conform to the international standards and are available with multiple power ranges that help in supporting high capacity industrial motors. Our manufactured motor control centre (MCC) units comprises equipments like; various types of starters, soft starters, variable frequency drives, solid-state motor controllers with analog / digital metering, feeder circuit breakers, capacitor feeders etc.

- Enhanced energy monitoring and management.
- Predictive maintenance capability.
- Enhanced communication/networking capability.
- Increased flexibility & Greater control.



CONTROL DESK PANELS

We manufacture, supply a premium quality range of Industrial Control Desks, which are delivered within specified time period to the clients. These products are used for plants as well as remote controlling and we offer them at most competitive prices to the clients. Our products are highly acclaimed for their easy installations and user friendly nature and we offer them in a variety of designs, sizes, specifications and capacities to the clients.

Features:

- High durability
- Good performance
- Timely delivery.

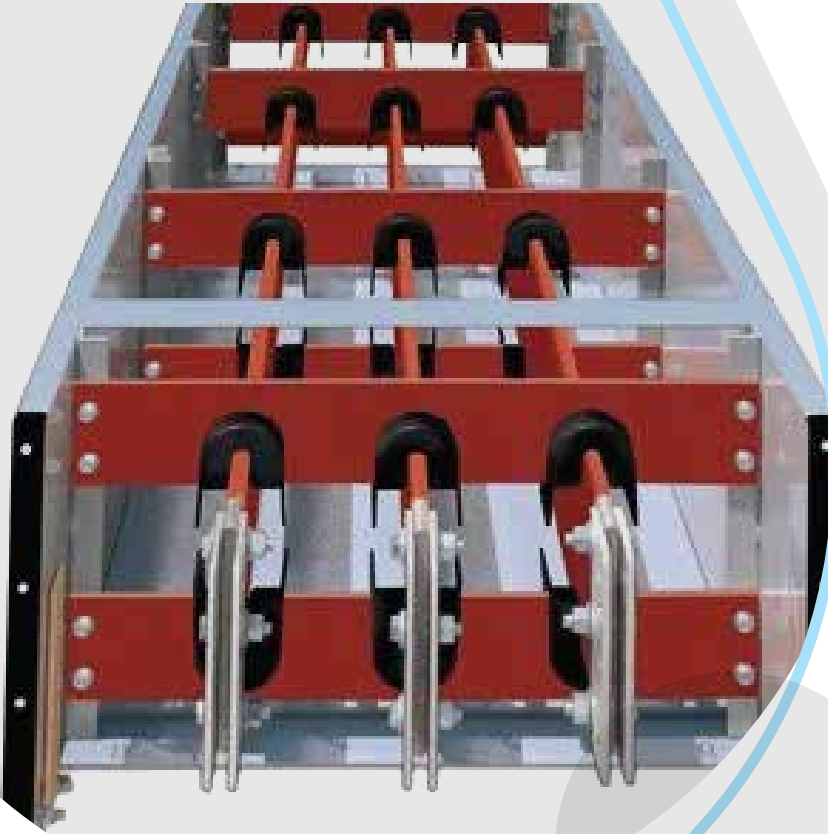


FEEDER PILLARS

We are engaged in manufacturing and supplying a wide range of Feeder Pillars, which are widely used in industrial sectors like termination and distribution of control circuits. These pillars are designed and developed using optimum grade raw material and advanced technology. These Feeder pillars are available in different sizes and can be customized according to the requirement of the customers. This product is widely appreciated for its features like high durability, low maintenance cost and is easy to use and install. Some of the salient features of these Feeder Pillars are as follows:

- Corrosion Resistant
- Longer functional life
- Efficient



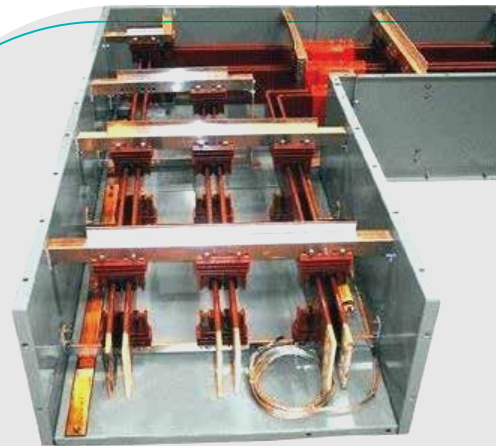


BUS TIE DUCT

The BTD is used to serve high power transmission from transformer to Main Distribution Panel, which covers the requirements of 3 phase 415V, 50 Hz UPTO 6000A, copper TPN Bus with enclosure suitable for indoor type. The BTD is designed for the current ratings and for a maximum temperature rise 45° C as an ambient temperature.

The enclosure is of 14SWG mild steel sheet, powder coated finish with flint gray shade RAL 7032 and dried in a oven after suitable pretreatment all structure and steel plates with anti corrosive phosphate method.

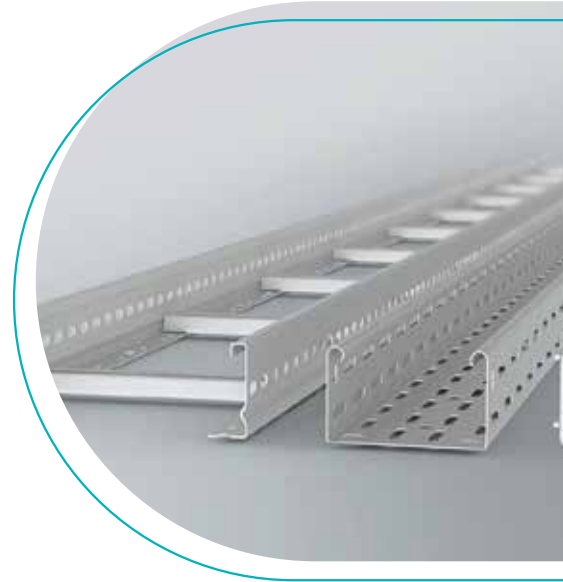
The BTD is also supplied with suitable earth bus running all along the length of the bus duct of copper strip of GREEN color, Two copper flats of same phase are stacked together or the spacing between them maximum of the thickness of one conductor and bus bars are identified by color i.e. RED, YELLOW and BLUE for phase and BLACK for the neutral bus-bars.






CABLE TRAYS & LADDERS

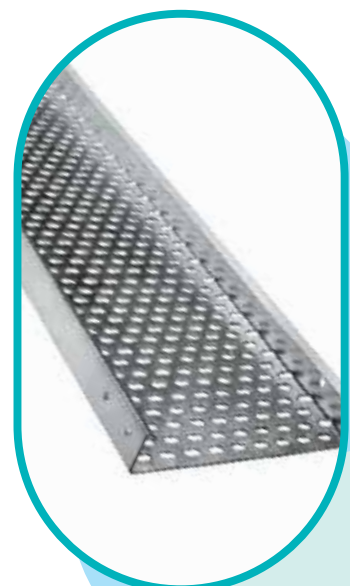
In the electrical wiring of buildings, a cable tray system is used to support insulated electric cables used for power distribution and communication. These are commonly used for cable management in commercial and industrial construction.

They are especially useful in situations where changes to a wiring system are anticipated, since new cables can be installed by laying them through the tray or ladder. A perforated tray has openings in the bottom of the tray, allowing some air circulation around the cables, which may either slots or holes punched in the bottom.



A Cable ladder tray has the cables supported by a traverse bar, similarly to the rungs of a ladder, at regular intervals on the order of 6 to 12 inches (150 to 300mm) Both Cable Tray or cable ladder are manufactured in different sizes in width/height as per site requirements, length on the order of 6 to 8 feet.

-  **Hot dip galvanized**
-  **Powder coated**
-  **Pre Galvanized material, with & without paint**



CERTIFICATIONS



Certificate Of Registration

Awarded to

VOLAMP ENGINEERING SOLUTIONS

at

479-E1 BLOCK, WAPDA TOWN, LAHORE.

Quality Registrar Systems certify that the management system of the above organization has been audited and found to be in compliance with the QRS requirements for registration of the management system standard detailed below:

ISO 9001:2015

Quality Management Systems

Scope of work

MANUFACTURING OF LT/HT PANELS

EA 19

Certificate No: AQP-10927

Originally Registered: 25 JAN 2021

Latest Issue: 25 JAN 2021

Valid up-to: 24 JAN 2022



Quality Registrar Systems



MANAGING OFFICE ADDRESS:
Quality Registrar Systems
P.O. Box :26826
United Arab Emirates



WORLD WIDE CERTIFICATION

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Fax: +971-2-6741449
www.qrsyst.com

This is an accredited certificate authorized for issue by Accreditation Service for Certifying Bodies (Europe) Limited who have assessed QRS as a Certifying Body for compliance with ISO 17021:2015 'Conformity Assessment - Requirements for bodies providing audit and certification of management systems'.
This certificate is only valid when confirmed by the register listed in the Quality Registrar Systems (qrsyst.com)

CERTIFICATIONS

1/21/22, 9:54 AM

Initial Date of Registration in PEC: Jan 21, 2022

Serial No. **522091**
PEC-11

Scan QR code to view details.



PAKISTAN ENGINEERING COUNCIL
Licence No: **77027** Category: **C6** Validity: **30 June, 2022**
LICENCE OF PAKISTANI CONSTRUCTOR/OPERATOR
(Under the bye-laws of Pakistan Engineering Council 1987)

This is to certify that M/s **VOLAMP ENGINEERING SOLUTION** (Licencee), with its registered office at **FLAT NO. 61, BLOCK C, NEW AWAMI VILLAS, BAHRIA ORCHARD RAIWIND ROAD, LAHORE**, . . . have been licenced under Construction and Operation of Engineering Works Bye-laws 1987, until the validity date to construct/operate engineering works, the construction/capital cost of which does not exceed Rs. **25 (TWENTY FIVE)** million provided the licensee fulfils all the qualification requirements prescribed by Client or Employer for a particular engineering work; and subject to the licensee continuing to fulfill all the requirements of the bye-laws.

Field of Specialization **EE01 - EE02 - EE03 - EE04 - EE06 - EE07 - EE08 - EE10 - EE11 (Solar) - EE11 (General Electrical Works Only) - (TEN ONLY)** (Specialization Code Nos. for detail see overleaf)

Date of Issue: **Jan 21, 2022**
(Lahore)




Registrar
Pakistan Engineering Council,
Islamabad.

Note:

1. If a firm does not get renewal of its license within a year after expiry of its license, the firm may be renewed after payment of outstanding fee if entire defaulting period plus surcharge at the rate of 5% of defaulting fee amount, or as prescribed from time to time.
2. The employer must ensure employment of engineers whose names are mentioned on backside of the licence. The Consulting Engineer (the Engineer Incharge in case the consultant is not appointed) shall monitor the number of engineers employed by the Constructor/Operator and inform the Council accordingly.
3. Owner(s) of the firm shall be held responsible, if any information, document or paper submitted by him/them is found incorrect or forged.

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7

OUR CLIENTS

Some of our esteemed clients
in the showcase



OUR CLIENTS

Some of our esteemed clients
in the showcase



mtm

Masood Textile Mills



ShafitExcel



BRITISH AMERICAN
TOBACCO

Westcon



LAHORE MOTORWAY CITY
Life begins here



ALLIED
Commercial

IZHAR
CONSTRUCTION

OUR CLIENTS

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in the showcase



OUR CLIENTS

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US Apparel & Textile



MALL OF
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MALL 35
SMART SHOPPING, MODERN LIVING



SERVING ACROSS COUNTRY

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