

# MARTINET ENGINEERS PVT LTD

*Promising Innovative Electrical Solutions*

# ELECTRICAL EQUIPMENTS CATALOGUE

LT PANELS | SERVO STABILIZERS | CABLE TRAYS



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## VISION

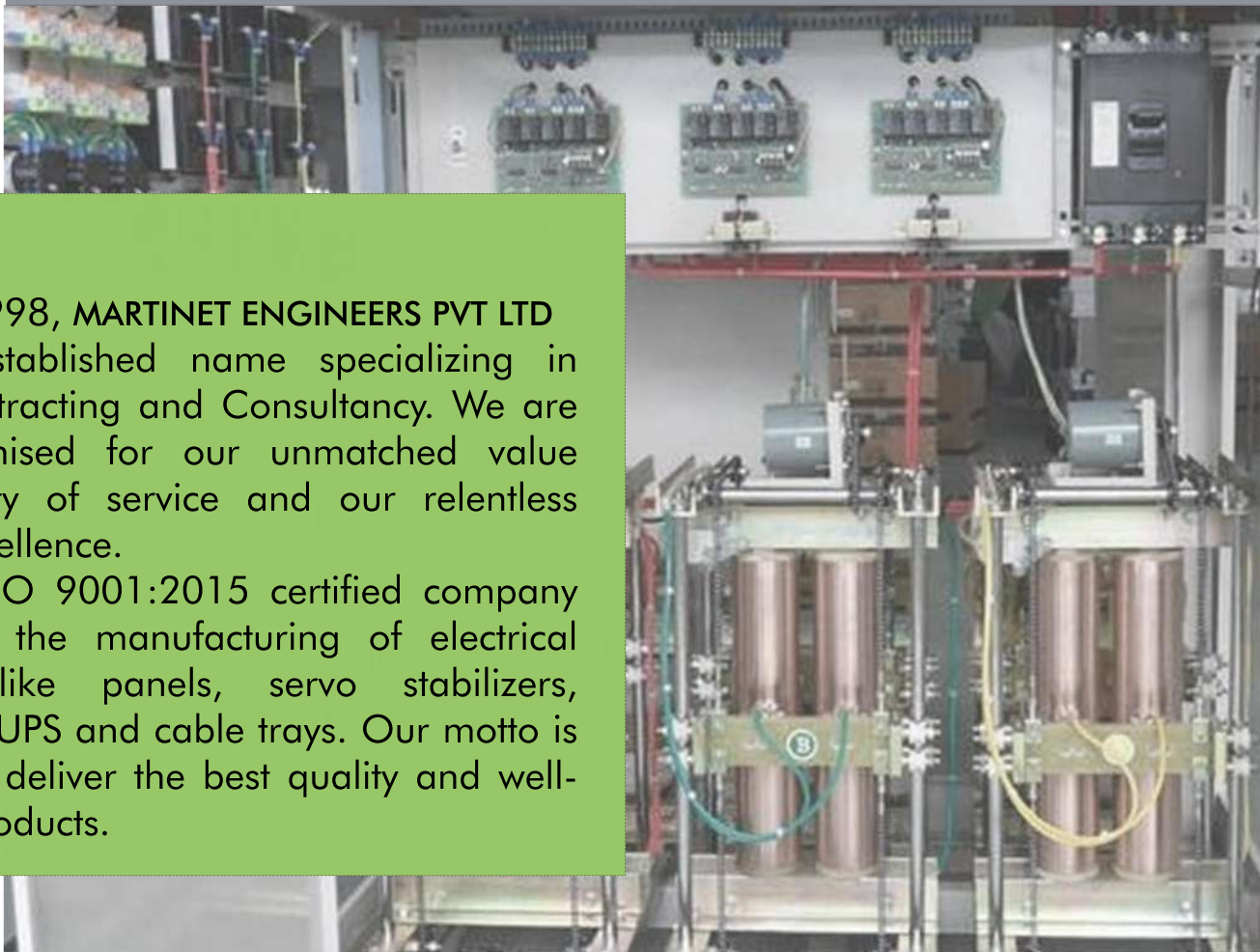
*To be a world class organisation, offering a wide range of Power Generation, Distribution equipments and solutions with international quality and utmost customer satisfaction.*

## MISSION

- *Foster Innovation*
- *Sustainable Technology usage*
- *Providing Modular, Flexible and Sealable Designs*

## WHY US?

- *Technical Excellence*
- *Reliability and Flexibility*
- *Quality Assurance*
- *Cost Effective Products*
- *Stringest Safety Standards*
- *Guaranteed Customer Satisfaction*



## ABOUT US

Founded in 1998, **MARTINET ENGINEERS PVT LTD** is a well established name specializing in Electrical Contracting and Consultancy. We are widely recognised for our unmatched value system, quality of service and our relentless pursuit for excellence.

We are an ISO 9001:2015 certified company foraying into the manufacturing of electrical equipments like panels, servo stabilizers, transformers, UPS and cable trays. Our motto is to continually deliver the best quality and well-researched products.

# LT PANELS

LT Panel receives power from generator or transformer and distributes the same to electrical/electronic devices.

Certification: CPRI

## SALIENT FEATURES

- Panels successfully tested at CPRI for temperature rise as per IS standards
- CNC Fabricated fully bolted standardized designs
- Panel enclosure degree of protection IP - 54, IP – 55 & IP 65
- Anti-corrosion treatment
- Non hygroscopic SMC busbar supports for best mechanical & electrical strengths for fault current withstand
- Bus bars and interlinks are insulated with heat shrinkable PVC sleeves
- Single & Double Front Panel (PCC/ MCC /PMCC /MDB)
- Provision for padlocking feeder & bus bar shutters
- Conforms to IS - 3118 & IEC - 62271 - 100 Standards

## TYPES OF LT SWITCHBOARDS

- Main LT Panel
- PCC (Power Control Center)
- Auto/Manual Synchronising /Load Sharing Panel
- AMF Panels
- MCC (Motor Control Center)
- Control and Relay Panel
- Control Desk & Mimic Panels
- Capacitor Panel
- Feeder Pillar
- Meter Board
- Main Distribution Board (MDB)
- Bus Ducts & Rising Mains



# SERVO CONTROL VOLTAGE STABILIZER



## SERVO CONTROL VOLTAGE STABILIZER

The main aim of the Servo Control Voltage Stabilizer is to maintain the voltage variation and provide a constant voltage for an equipment to the accuracy of  $\pm 0.5$  to  $1.0\%$

### Salient Features:

- Solid State Control circuit
- Synchronous Motor Drive
- Zero wave form Distortion
- Auto-Manual operation facility
- Over-Under voltage protection

CAPACITY	1 KVA TO 200KVA (SINGLE PHASE) 5KVA TO 5000KVA (THREE PHASE)
INPUT VOLTAGE RANGE	180-270 V, 160-270 V (SINGLE PHASE) 340-460 V, 300-460 V (THREE PHASE) OR AS PER DEMAND
OUTPUT VOLTAGE RANGE	230V $\pm$ 1% (SINGLE PHASE) 400V $\pm$ 1% (THREE PHASE)
COOLING	NATURAL AIR/ OIL COOLED
CORRECTION SPEED	10-35V PER SECOND
RESPONSE TIME	< 10MS
WAVE FORM DISTORTION	NONE ADDED BY THE EQUIPMENT
DUTY CYCLE	CONTINUOUS
POWER FACTOR	SUITABLE FOR ALL POWER FACTOR LOADS



# ISOLATION TRANSFORMER

The Isolation Transformers significantly block the voltage spikes, switching transients and noise that originate in the supply side from being transferred to the load side.

**Benefits:**

- Protection of the users from the faulty equipment.
- To have safe, reliable and accurate measurements.
- To avoid ground loops.
- To physically isolate/separate some part of an electrical system from the other or rest of the system.



# CABLE TRAYS



## LADDER CABLE TRAY

This system consists of two longitudinal side members connected by individual transverse members, and is designed for use as a power cable or control cable support system. Ladder and ventilated trays may have solid covers to protect cables.

## PERFORATED CABLE TRAY

This system has holes on bottom sheet and side rails for laying power and signal cables for the purpose of distributing electricity, signaling in industrial plants, department stores, gyms, hospitals, airports and other industries.

## RACEWAY CABLE TRAY

Raceways are generally mount on a wall in rooms where power and communications cables are to be terminated. Raceways protect wires and cables from heat, humidity, corrosion, water intrusion and general physical threats.

# THE PROMISE OF A BETTER FUTURE...



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