

Pioneering Solutions



- Modular design
- CNC Manufactured
- Type Tested as per IS / IEC

Pioneering Solutions

Load Controls India Private Limited is a professionally managed organization, engaged in the manufacture of LV & MV Switchboards, Control Panels and Bus Ducts since 1990. The idea was & is to excel in pioneering solutions for our Customers, bench marking world class standards & enabling user friendly results.

The Load Controls team is highly specialized in all aspects of Switchboard manufacturing with technical expertise that ensures safety, reliability and convenience for their Customers. The process of manufacturing is fully in-house from fabrication, powder coating to electrical assembly, inspection and testing.



Load Controls Panels are modular in design, manufactured using CNC Machines and render the advantages of unmatched flexibility to their installations. The methods adopted are ISO 9001:2008 certified and aimed at zero defects. The Switchboards are repeatedly type tested for compliance to IS & IEC standards, both in LV & MV. Load Controls are Alliance Partners for Schneider Electric for MV Panels integration up to 36KV.

Load Controls Mission

- Our mission is to be a world class dependable source of power & control switchboards, bus ducts & allied products.
- We are committed to work with integrity while being pioneering in our deliverables.
- Our promise is to offer uncompromising reliability & convenience, contributing with pride to the World's work.

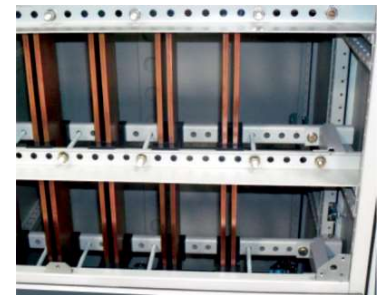
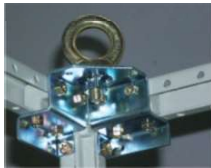


Load Controls Vision

- Be a professionally managed Organization.
- Be committed to a world class customer experience.
- Benchmark global quality standards.
- A specialist partner with differential value add.
- Attain market leadership and be within the top 5 in South India.
- Empower an active R & D that leads meaningful innovation in the industry.
- Enroll latest technologies in manufacturing processes.
- Sustain a high performance team and blend it with strategic partnerships for enhancing solutions.
- Instill in our people the values we stand for.
- Create wealth for our stake holders.

Addressing your growing needs with our MODULAR SWITCHBOARDS

- Panel skeletons are made with just two profiles (Frame Bars & Cross Bars).
- Each profile has multiple bends for added strength, flexibility & rigidity.
- Every 30mm, the profiles are punched with 6.5mm dia holes for modularity.
- Standardization in height, width & depth is therefore possible.
- Alu-Zinc Tripods that are pressure die cast form the corners of each Panel.
- Several ingenious joiners help accommodate the base plates & partitions.
- All doors are bent twice at the edges & are reversible - LHS to RHS & vice-versa.
- Seamless foam gaskets protect the Panels from dust & vermin reliably.
- Adjustable switch mounting, cable ladders and shrouding add versatility.
- Changes in switchgear & modules can be easily accommodated even at site.
- Made from mostly stocked components which enables faster delivery.



Load Controls DNA

Pioneering

- Being Pioneering is a way of thinking that permeates all our activities.
- We are always looking for distinguished ways of doing, working & contributing.
- We seldom hesitate to experiment outside our comfort zone to lead in solution.

Professional

- We give 100% of ourselves in whatever we undertake.
- We focus not just on the “what” but also on the “how” & “why”.
- Integrity in thought, word & deed is the way we are.

Perseverant

- We keep trying - at what we believe is right, correct and fair to all concerned.
- We never give up especially when the going gets tough.
- Our belief, faith and trust in the larger picture, helps us reach for the stars.

Positive

- A ‘can do’ approach is the bottom line of our Customer Focus.
- We feel grateful for what is, while we strive to be all that we were meant to be.
- To laugh a little more in life & enjoy the journey is our philosophy for living.

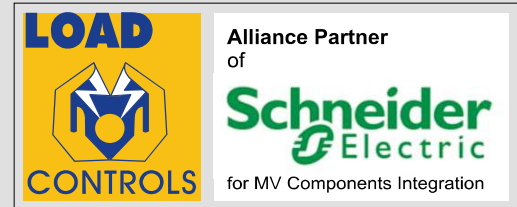
Passionate

- We strive to be involved in our work always with an attitude of gratitude.
- We live in the moment taking each challenge in our stride with aliveness.
- We enjoy learning more about our Customer’s needs & exult in the delivery.

Medium Voltage Air Insulated Switchboards

Salient Features / Benefits

- Air Insulated Indoor & Outdoor Switchgear Cubicle with Vacuum / SF6 Circuit Breakers up to 33 kV
- Modular in construction. Extensible. Fully compartmentalized & compliant to Internal Arc Test
- All compartments are segregated from each other with metal sheets with IP 20 protection
- Emergency tripping arrangement without opening the Cubicle Door & suitably interlocked
- Switching, withdrawal to test, isolated position can be performed with front door closed
- Type tested as per IEC 62271-200, IS 3427
- Metering compartment with Numeric/Static/ Electromagnetic Relays, Indicating Meters, Lamps etc
- Protection, measuring, monitoring, automation features customized as per Customer requirement
- Option of withdrawable PT with fuses & with safety shutters available in the Breaker Panel
- Bus Bar PT & Feeder line PT facility available & provided as required
- Ample cabling termination height to suit any make of cable sealing kit
- Live parts covered by automatic earthed insulator shutters when breaker is racked out
- Choice of Copper or Aluminum Bus Bars
- Optional integral earthing switch available
- Inspection window for VCB and CT chambers
- Choice of CRCA or Non magnetic gland plates for bottom entry cables
- 7 tank Pre-Treatment Process & Powder Coating for the Enclosures
- Suitable separate powder selected for indoor and outdoor applications
- Applications are in Transformer, MV Capacitor, Motor Starter & Generator Protections



11 KV

33 KV

Additional MV Solutions

- Load break switch panels of 400A, 630A & 1250A available in indoor & outdoor versions
- MV Phase segregated air insulated bus ducts, up to 2500Amps, 26.3kA, 11KV
- MV Motor Starter Panels
- Relay, Metering & Controls Panels for HV and EHV range switching devices
- Neutral grounding resistor (NGR) panels for DG applications
- Generator line side CT/PT panels
- Compact RMUs of Schneider make available in combinations as required
- Packaged Sub-Stations, fully compartmentalized, available in Indoor & Outdoor Designs
- RMG - Ring Main Gear with Metering Panel
- Earthing Trucks

Comprehensive

Product Range

- Medium Voltage Switchboards

- 3.3 kV to 33 kV VCB/SF6 Breaker Panels
- Control & Relay Panels with PLC Automation
- MV DG Synchronizing Panels

- Low Voltage Switchboards

- Main Switchboards – Single & Double Bus Bar Systems
- Motor Control Centers with intelligent relays, interlocks & automation
- Power Control Centers (with multiple power source)
- DG AMF & Synchronizing Panels with PLC & SCADA controls
- APFC Panels with contactors, thyristors & other switching solutions
- Soft Starter & Drive Panels with energy management & measurements
- Metering Panels with ACCLs for DG power change over
- UPS Panels with double neutral and interlocks as required
- Feeder Pillars and outdoor kiosks

- MV & LV Busducts

- Air insulated Busducts in segregated & non-segregated design for indoor & outdoor applications

- MV & LV Enclosures

- In modular design with Type tested bus bar systems
- Enclosures are available in Stainless Steel also
- Enclosures in Form 1- 4 with IP 4X upto 55
- Enclosures for Transformers & Packaged Sub Stations



Single Point Contact

Service, AMC & Retrofits

Load Controls service spans the concept to commissioning journey & beyond on a 24/7 approach. Annual Maintenance Contracts (AMC) is offered to our Customers on defined periodicity as well as on call basis. Retrofitting of existing Panels are undertaken to empower the changing needs of Customers.

Load Controls also provide:

- Technical training at Client's site
- Supervision of commissioning
- Site visit for improvements/recommendations

Reliable & Responsible

Quality, EHS and CSR

Load Controls is ISO 9001:2008 certified from International Certification Services since 2005. The switchboard products are repeatedly type tested at Laboratories for Fault Levels, IP classes and Temperature rise compliances. Load Controls LV Switchboards are certified for 100 KA fault level & MV for 26.3 KA for 3 Secs at 11 KV.



Load Controls have an Environment, Health & Safety (EHS) Policy that is followed up with detailed documentations, training and monitoring. All safety measures are instituted to eliminate accidents. Medical care & training are under taken to ensure prevention. Good housekeeping & 5S are instituted as top priority.

Corporate Social Responsibility (CSR) starts with our employees with a deep focus on training as a significant initiative at Load Controls Training Center (LCTC). In-house Eye test & Blood donation camps for employees are being conducted.



In-house, intelligent & integrated infrastructure



Engineering Drawing Preparation



CNC Turret Punch Press



NC Amada Press Brake from Japan



Vernier Marking & Checking



Stud & MIG-MAG Welding



Powder Coating Chemicals Check



7 Tank Pre-Treatment



Powder Coating Unit



Semi Automatic Pneumatic Line



Hydraulic Bus bar Fabrication



Electrical Wiring of Panels



Finished Products for Testing



Team Load Controls is 200 strong and at your service



After Sales Service & AMC Contracts

Customer segments we serve

Buildings

Commercial
IT Parks
Data Centers
Malls
Hotels, Hospitals
Apartments

Industry

Automobile
Steel
Textile
Paper
Cement
Power etc

Infrastruture

Airports

OEMs
Diesel Generators
Turbines

Customer feedback

“Panel finish is good...keep it up” - Stephen Michael A.

“Company hospitality, system implementation work process, quality are all good”
- K. S. Prabhakara Rao, GMMCo Ltd., Chennai.

“ It is very rare to find such high standards of sincerity and trustworthiness in the world of business today”
- Jameel, Zener Electric Company - Bangalore.

“Tremendous work, very professionally managed group ... very motivated workforce under an able leadership of M.Ramani ”. - Prasad - Schneider - Bangalore.

“ Your panels are too good. At the time of construction where we don't know the capacity of switchgear, as it always varies, we can use these panels and change switchgear as per load requirements.”
- Mr. Dilip Dhonde, M/s. Electel Systems & Controls, Pune.

“I am impressed. It is like any European Plant”. - Abdul Rahman Juma - Bahrain.

“ ...your name was recommended to us on the basis of your reputation for shortlead-time deliveries and good quality panels”.
- Mithun Thomas - HCL Technologies Ltd., Bangalore.

“Very good switchboards - Modern Design which can give constant quality”.
-N.C. Nayak, Management Consultant, Ex-GE Power Controls.

“Impressive Infrastructure and team...Overall Good Work.”
- M. Jacob Minu, IBM India Pvt. Ltd., Gurgaon.

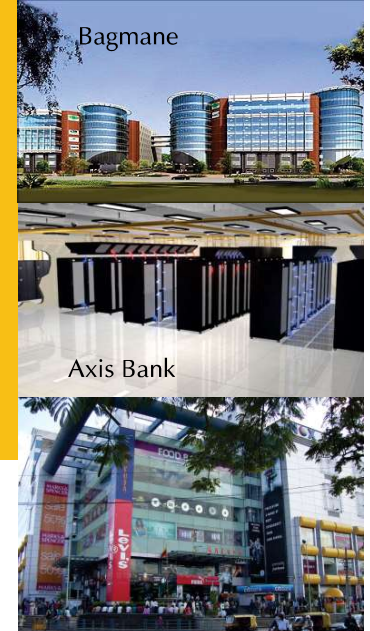
“Good manufacturing set up, well kept, ...
- E.K. Seelan Moses, Apollo Tyres,Chennai.

“Facilities & infrastructure ...appreciable. Capacity to produce quality panels found satisfactory.”
- B.D. Prasad, NTPC, Chennai.

Exhibiting our *Pioneering Solutions*

Load Controls has periodically and pro-actively showcased its range of products in local and global platforms including those conducted by ELCA (Electrical Consultants Association) and Elecrama (by IEEMA).

Apart from these, customer meets and open house sessions are regularly organized where in valuable feedbacks are sought for further improvements.



THE MODULAR GRID

👍 **Flexible**
👍 **Adaptable**
👍 **Versatile**



Pioneering Solutions

Regd. Office & Factory : No. 1, 2 & 3
Survey No. 105, Uttari Road
K. Ashwath Industrial Layout
Off Kanakapura Road, Kaggalipura
Bangalore - 560 082. INDIA
Tele/Fax: (080) 300 33 800 (100 lines)
Email: modular@loadcontrols.net
Website : www.loadcontrols.net

Trade Enquiries at

Head Office (Karnataka) : +91-988 071 4044
Rest of India : +91-973 187 7444
For Video on You Tube :
www.youtube.com/loadcontrols



Since 1990



LV

MV