

Safety is our Top Priority

An IEC 61439
Design Verified LV Panels

An IEC 62271-100&200
CPRI Type Tested MV Panel



Busbar Trunking
Sandwich & Air Insulated

Power Quality Solutions
AHF-SVG-HYDRID Filters



Authorised License Partner



Licensed Partner
For
SIEMAN BPU
SIEMAN Elite



At BK POWER TECH, we are a team of seasoned technocrats committed to delivering exceptional customer satisfaction through best-in-class technical support, premium products, and reliable services. We specialize in providing comprehensive Design & Engineering, Manufacturing, and Commissioning Support — ensuring end-to-end solutions for your electrical power distribution, control and automation needs.

Our Expertise

With 36 years of extensive experience in MV and LV switchgear systems, we operate state-of-the-art manufacturing facilities located in Mysore and Coimbatore covering 70,000 sq. ft.

Technology Partnerships

Authorized System Integrator for:

- IEC 61439 Design Verified Panels LV Switchgear Assembly

SIEMENS

SIEPAN 8PU

SIEPAN Elite



- MV Switchgear Panels – up to 33kV



- Busbar Trunking – Sandwich & Air insulated



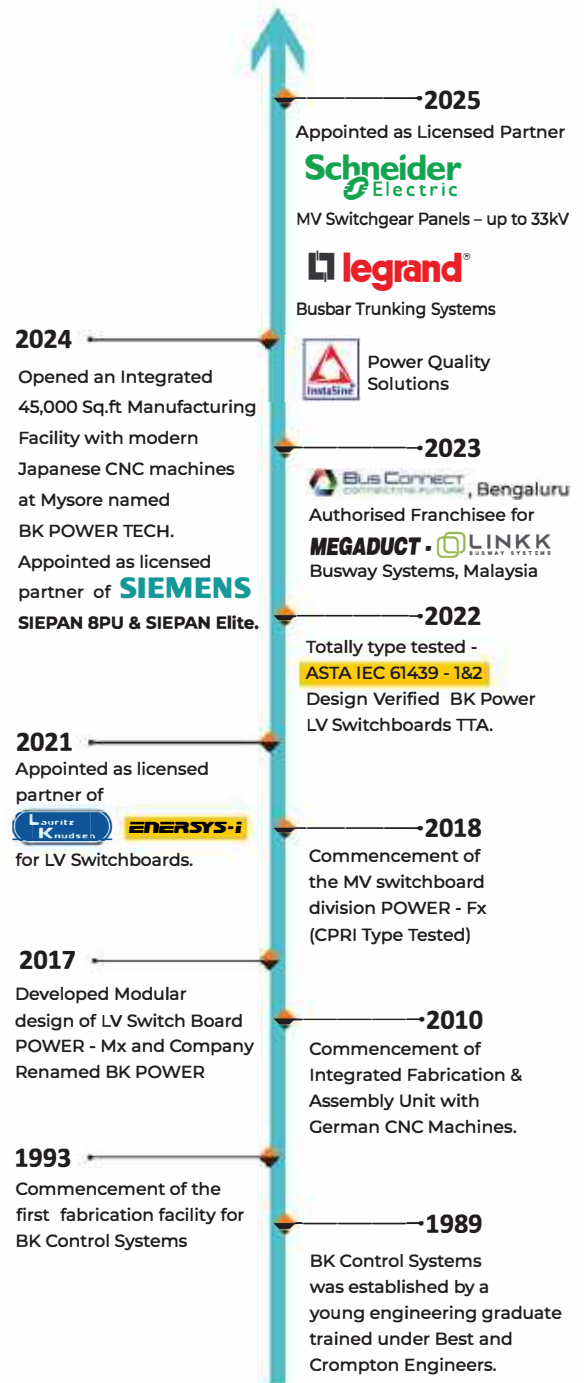
From 25A to over 6300A - Aluminium & Copper Bus Bars

- Power Quality Solutions



Active Harmonic Filters : InstaSine i-Sine AHF
 Static VAR Generator (SVG) : InstaSine i-PFC SVG
 HYBRID FILTERS & APFC PANELS

36 Years of Powering Progress...



Mission

We deliver safe, reliable, and scalable power solutions through advanced technology and global standards.

Vision

We shape the future of switchboards with innovation, partnerships, and smarter, sustainable power.

Core Values

We drive innovation, performance, safety, and integrity-powered by sustainability and agility.

OUR TEAM OF PROFESSIONALS



Mr. BALAKRISHNAN S
 Director - Technical

He is a seasoned electrical engineer with over three decades of industry experience. He leads BK POWER TECH with a strong focus on innovation, quality, and regulatory compliance. His deep expertise in LV/MV panel design and thorough knowledge of IEC and IS standards ensures the delivery of technically advanced and reliable solutions across diverse sectors.



Mr. HN Panish
 Director - Commercial & Finance

A seasoned engineering professional with over 35 years of experience. He has held senior project management roles across GCC countries, contributing to high-end, fast-track greenfield projects. His extensive expertise in administration, finance, and project execution plays a pivotal role in driving operational excellence and strategic growth.



Mr. T. Saravanabhava
 Director - Marketing

Drawing on more than two decades of experience in the electrical industry, he is a forward-thinking sales strategist who blends market insight with innovative tactics. He builds strong client relationships, expands market reach, and drives sustainable revenue growth.



Mr. GS Dharmendra
 Director - HR & Sourcing

Possessing over 25 years of experience in project execution, he combines technical knowledge with strong people management skills. His ability to optimize sourcing and build high-performing teams ensures smooth operations and supports long-term growth.



Mr. N. Vijayarasimha
 Director - Marketing

A seasoned sales leader with over a decade of expertise in low-voltage switchboard manufacturing, he blends deep market insight with strategic foresight to fuel growth and innovation. His vision centers on building strong client partnerships, expanding market reach, and driving sustainable revenue growth — shaping a competitive edge for the business.



Mr. S. Achutha
 Director - Production

Bringing over 20 years of hands-on experience in panel board manufacturing and production management, he leads the entire process as Director - Production. He focuses on efficiency, quality, and on-time delivery. His technical expertise and process-driven approach ensure every product meets the highest standards of precision and reliability.

Participation in National & International Events



Silver Sponsor - BK POWER



Licensed Partner
For
SIEPAN 8PU



SIEPAN 8PU Low Voltage Switchboards Technology by Siemens

Licensed Partner built PCC, IMCC, Draw-out MCCs,
APFC Solutions

SIEPAN 8PU

An IEC 61439
Design Verified Panel

LV Switchgear Assembly



Features

- Totally type tested (TTA) as per IS / IEC 61439 - 1&2 Design Verified.
- Conformance to Seismic withstand upto Zone V.
- Conformance to Internal Arc Containment (IAC).
- Fully compartmentalized, bolted & modular design for PCC & MCC.
- Short circuit withstand (Icw) - main bus 65kA / 1sec / 143kA peak.
- Non-compartmentalized drive control panels.
- Forms of Design : 2B/ 3B / 4B.
- Degree of ingress protection upto IP 54.
- Communication capable intelligent power control centres (IPCCs).

Switchboards have been patronized by various segments like **Cement, Steel, Refinery, Oil & Gas, Pharma, F&B, Data centres, Hospitals & Hotels, Metro-rail projects** having deployed **more than 1,00,000 LV switchboards** for maximum reliability and performance.

SIEMENS

Licensed Partner
For
SIEPAN
ELITE



SIEPAN Elite Design Verified Switchgear Assembly with IEC 61439-1 & 2 Edition 2020 is all set to revolutionize the market with its Innovative Design, Valued Driven Solution, and commitment to Quality with Safety

SIEPAN ELITE

An IEC 61439
Design Verified Panel

LV Switchgear Assembly



Designed with unique USPs:

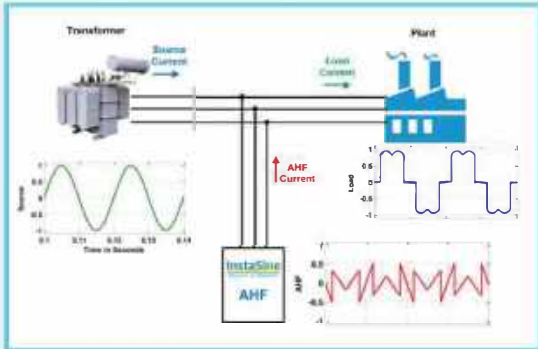
- Catering maximum demand of infrastructure & Industry upto 4000A, 50kA/1 sec.
- Bolted and Modular Structure
- 4 Pole Vertical Busbar
- Provides comprehensive power distribution and control
- Non-Interleaved design with Neutral Busbar adjacent to Main Busbar.
- Reduced Height of 2000mm.
- Optimizes space without compromising performance.
- 3-Point Lock with Padlocking Option.
- Includes refined module sizes for more efficient use of space.
- 100% Neutral Option Available.
- Offers flexibility to meet diverse electrical requirements.
- SIEPAN Elite is design verified with SINOVA to optimize overall offerings.

SIEPAN Elite Design Verified Low Voltage Switchgear Assemblies as per IEC 61439-1 & 2 Edition 2020 caters the need of various **Industrial and Infra Segments** like **Educational Institutes, Residential Buildings, Toll Plaza, IT Park & Offices, Health Care Centres, Shopping malls, Sports Stadiums, Industrial Buildings.**

SIEMENS



Active Harmonic Filters InstaSine i-Sine AHF

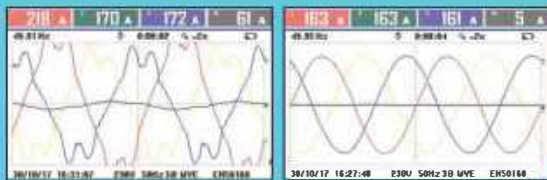


India's Largest SVG/AHF Manufacturer

Features :

- Harmonic currents mitigation
- Reactive Current mitigation (i.e. power factor correction)
- Negative Sequence Currents
- Mitigation (balancing three-phase load currents)
- Zero sequence current mitigation (Neutral current mitigation, using 3P4W AHFs)
- Transformer HT side power factor correction while connected at LT side.

CASE STUDY



i-Sine AHF OFF

i-Sine AHF -ON



Current Harmonic Levels

Power & Energy		Power & Energy		
FUND	L3	FUND	L3	
kW	45.0	36.9	35.8	118.8
kVAr	53.9	42.5	43.3	139.7
kVArh	28.2	21.0	24.2	73.4
PF	0.84	0.88	0.82	0.84
PF	0.85	0.87	0.83	
Irms	226	179	182	
U _{rms}	240.63	240.44	241.72	

Plant Power Factors

Compensation capacity	25 A	50 A	100 A	150 A	200 A	300 A
Peak current rating	55 A	110 A	220 A	330 A	440 A	660 A
Nominal Voltage	400V +/-50V					
Nominal Frequency	50/60Hz +/-5%					
Harmonic Selection	Up to 71st Harmonic					
Power Dissipation	<3%					
Operating Temperature	0-50°C without derating					
Protection (Enclosure)	IP20					

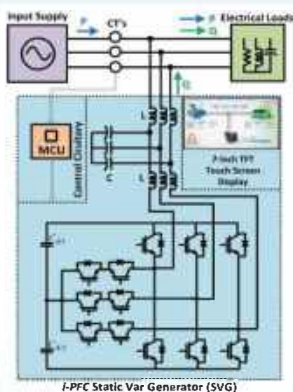


2.5 MVar i-PFC SVG



Composed of Two 1.25 MVar Systems each with 10 Modules in parallel

Static VAR Generator (SVG) InstaSine i-PFC SVG



Features :

i-PFC (Inverter based Power Factor Correction) is trademark name for the SVG developed and manufactured by InstaSine. With advanced controllability of 3-Phase 3-Level IGBT based voltage source inverter architecture, i-PFC SVG provides precise power factor and unbalance correction without the need of any passive power factor correction capacitors.

Applications :

Rolling mills, Steel Plants, Textile Mills, Cement Plants, Paper Mills, Chemical Plants, Automotive Industry, Heavy Industries, Off-grid System, Micro-grids, Data Centers, IT Industry, Hospitals, Hotels, Shopping Malls.

Hybrid Filter Panels

AHF & Thyristor + Contactor Switched Power Factor Correction

An IEC 61439

Design Verified Panel
LV Switchgear Assembly



Features

- **High-Current Capability** : Electrical busbar systems rated up to 5000A.
- **Short-Circuit Withstand** : 80kA RMS (1s)
- **True Arc Resistance** : 85kA, 0.3s (IEC/TR 61641, Class C)
- **Environmental Protection** : Up to IP65
- **Safety & Separation** : Upto 4b type 6
- **Durability** : IK10, up to 50°C Ambient, Seismic Zone V Compliant
- **Adaptable & Space-Saving Design** : Lowest Footprint , Versatile cable management



Intelligent Power Management

- **Efficiency** : Advanced APFC and Hybrid Panels (IEC 61439 & IEC 61921) to optimize energy consumption and reduce cost
- **Monitoring** : EMS/PMS-ready with optional integrated thermal analytics
- **Connectivity** : QR to Cloud data Access
- **Sustainable by Design** : RoHS & REACH compliant with a focus on recyclable materials and eco-conscious manufacturing

Application-Specific Solutions

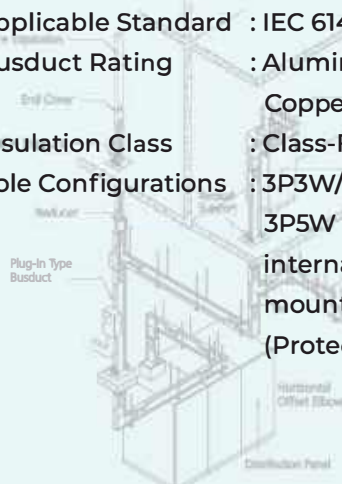
- **Wall-Mounted Enclosures** : Space-efficient solutions for local control.
- **Feeder Pillars** : Ruggedized distribution units for utility and industrial compounds.
- **Automation & Control Panels** : Integrated designs for VFDs, Soft Starters, and IMCCs for precise motor management.
- **Outdoor-Rated Enclosures** : IP65 protected for harsh external environments.
- **WiFi-enabled Switchboards** for remote monitoring and rapid troubleshooting

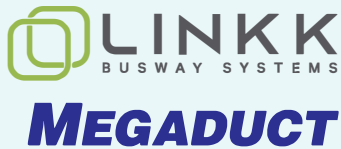
Assured for Engineering Excellence

Born from the same R&D team that created Ti, Our Enersys Switchboard brings together precision engineering, global certifications, and smart digital connectivity. Designed to deliver unmatched safety, reliability, and performance, Enersys is not just a product - it's a promise of confidence, built on the trusted legacy of LK, Powering Indian Customer for Last 70 Years.



- Applicable Standard : IEC 61439 Part - 1 & 6
- Busduct Rating : Aluminium - 250A to 6300A
Copper - 400A to 6300A
- Insulation Class : Class-F (155 degree C)
- Pole Configurations : 3P3W/3P4W (50%N) / 3P4W (100%N) / 3P5W (200%N) with or without 50% internal earth and provision for mounting external earth, 3P4W+PE (Protective / Insulated Earth)





Total busduct system solution provider..



Linkk Busway Systems (M) Sdn Bhd - MEGADUCT Busduct System, a pioneering brand in Malaysia busway industry since 1992. With more than 30 years experience in busduct design and manufacturing, have delivered successfully projects locally and internationally. Our busduct come with Class H Epoxy Insulation (180° C protection), providing high water resistance and high mechanical strength.

We offer a wide range of busway systems, including low voltage, medium voltage and high voltage solutions that catering for multiple industries applications. Our products are designed to meet the highest international standards.



Compliance to IEC Standards

Completed more than 5000 Projects around the World

Cable Trays, Transient Lightning & Surge Protection Devices



LV Switchgear Assembly



Technical Specifications:

- Short Circuit Rating : 50 kA
- High Current Ratings : Available upto 6300 A
- Degree of Protection : Multiple IP ratings including IP 42, IP 54, and IP 55
- Forms of Design : Choose from 2B, 3B, or 4B designs

Features :

Using a few standard profile and parts to construct an Enclosure to suit Control & Protection Panel requirements. This world class, state-of-the-art technology enables us to deliver Fast. Robust & Reliable switchgear assembly Panels.



Endless possibilities to integrate all leading brand switchgears.



Certified
MV Component
Panel Builder

Schneider
Electric

VCB PANELS

Medium Voltage Metal Clad Switchgear Panel
with Vacuum Circuit Breaker
12/24/36 KV - Air Insulated

BK POWER TECH
TURNKEY ELECTRICAL & AUTOMATION SOLUTIONS

An IEC 62271-100 & 200 CPRI Type Tested



Today, BK POWER stands as a leading manufacturer in India for:

- 33 kV VCB Panels
- 11 kV VCB Panels
- Outdoor VCB Panels
- Indoor VCB Panels

We specialize in the manufacturing of 11 kV, 22 kV, and 33 kV Vacuum Circuit Breakers (VCBs) with current ratings of 800 A and 1250 A, using Schneider Electric HT Products. As an Authorized System Integrator, Channel Partner, and OEM of Schneider Electric, we ensure world-class quality, reliability, and compliance with international standards.

Features :

VCBs are predominantly used for transformer protection. In these breakers, arc quenching takes place in a vacuum, making them highly efficient and durable. Compared to other types of circuit breakers:

- Longer service life than conventional technologies
- No fire hazard risk unlike oil circuit breakers
- Compact and user-friendly design for easy operation and maintenance
- Convenient replacement of Vacuum Interrupter (VI), reducing downtime

Product Range :

EasyPackt EXE

- 11 KV VCB Panel – Indoor & Outdoor Type (Metal Clad)
Ratings : 800 Amps upto 2500 Amps
- 33 KV VCB Panel – Indoor & Outdoor Type (Metal Clad)
Ratings : 800 Amps upto 2000 Amps

With Schneider's advanced technology and BK POWER's proven expertise, we deliver reliable, safe, and sustainable VCB solutions for critical power distribution needs.



Medium-Voltage APFC Capacitors and Filter Panels

Power quality is critical for both utilities and power users across industrial, commercial, and infrastructure sectors.

HT APFC PANELS (UPTO 33 KV)



Features :

- Automatic Power Factor Correction
- Inrush & Harmonic Filters
- Load Breaks Isolator & Vacuum Contactor
- Factory built - Trouble Free Installation



Medium Voltage Metal Clad Switchgear Panel with Vacuum Circuit Breaker

Type POWER - Fx - 12/24/36 KV - Air Insulated

VCB PANELS

POWER-Fx

An IEC 62271-100 & 200
CPRI Type Tested

MV Switchgear



Technical Specifications:

Standards	: IEC 62271-100 & IEC 62771-200 standards
Short Circuit Rating	: 11 kV-26.3 kA
High Current Ratings	: 11 kV, 22 kV, and 33 kV - up to 1250 A
Internal Arc Protection Design	: Offers safety against internal arcs as per IEC 61641.
Degree of Protection	: IP 42 and IP 55
Forms of Design/ Type	: Easily extendable on both sides / Floor-mounting & free-standing type

Features :

- TYPE - SINGLE / MULTIPLE Line-up Cubicle Panels
- Simple and compact design
- BEL Make Hermetically-sealed vacuum interrupters
- Spring charged mechanism with shunt trip feature
- Easy access, High reliability, safety of operation and less maintenance with optimized mechanical design
- Metal clad, fully enclosed design with High Efficient Resin cast CTs / PTs
- Automatic safety shutters ensuring safeguard of operating personnel
- Wide range of breaker tripping/closing control supply



Applications :

Primary side (High Voltage) Control and Protection of Distribution Transformers in Commercial, Industrial Buildings, Townships etc., Control and protection of Overhead Lines, Cables, HV Motors, Arc Furnaces and HV Capacitor banks.

THE BUSBAR SYSTEM

Busbar Trunking – Sandwich & Air insulated



The busbar is the most modern solution for the distribution of energy in an installation for machinery, equipment and lighting fittings, in all types of buildings. The busbar is also frequently used to power the (horizontal and vertical) backbones of buildings used for the commercial-service sectors, thus observing the time required for the installation and providing a final solution with remarkable technical advantages.

Legrand's busbars, available in 3 segmented ranges (Low Power, Medium Power and High Power), are able to meet all installation requirements, from 25A to over 6300A.



LB PLUS

BUSBAR FROM 25, 40 TO 63 A
Light and Power



LB PLUS DATA

BUSBAR FROM 25, 40 TO 63 A
The new busbar trunking system
for LIGHTING MANAGEMENT



MINISBARRE (MS)

BUSBAR FROM 63, 100 AND 160 A
The compact solution for
medium power distribution



MEDIUM RATING (MR)

BUSBAR FROM 160 TO 1000 A
Performance and functionality
in medium power



SUPER COMPACT (SCP)

BUSBAR FROM 630 TO 6300 A
The power solutions for industrial
and service sector applications

Field of Applications

- Industries
 - Skyscrapers
 - Hospitals
 - Data Centers
 - Shopping centres
- and everywhere there is the need for
power distribution (up to 1000 A)

Installation accessories



Feed unit



Feed unit for cabinets



Horizontal elbow



Vertical elbow



End cover



Outlet cover



Tap-off box



Tap-off box for MCB's

The CERTIFICATES

The Super-Compact line has been given Type- Approval Certifications by the most prestigious Electro-technical agencies:

- Certificate of Compliance with Standard : 61439-6 (ACAE - LOVAG)
- GOST Type-Approval (Russia) In order to obtain these recognitions, the SCP range has undergone the following type tests, as confirmation of their quality :
- EI 120 fire resistance with Fire Barrier
- IEC 60331-1 / CEI EN 50362 - Fire Resisting Test

<https://www.legrand.co.in>

AUTOMATION PANELS

PROCESS AUTOMATION -
VFD / PLC / HMI / SCADA PANELS



SIEMENS



We take pride in delivering superior solutions in VFDs, PLCs, servo drives, and switchgears—combining reliability and innovation at every step. Our expertise lies in designing custom automation panels and providing end-to-end services for PLC and SCADA systems, ensuring seamless operations and enhanced efficiency for businesses.



Backed by a proven record of excellence, our mission is to empower your processes with advanced automation technology, driving sustained success and operational optimization. Together, let's elevate your automation to new heights.

Applications We Serve



Extruder Pump
Packaging & Printing
Compressor | Mixer & Agitator
Labeling | Blower Fan | Crane & Hoist
Conveyor | Winder & Unwinder
Separator | Data Center

LT PANELS FOR SOLAR APPLICATIONS



- SOLAR ACDB PANELS - [800V/690V/440V]
- AUXILIARY LT PANELS - [800V/690V]
- BUSDUCTS - AIS upto 4000A
- BUSDUCTS - AIS upto 5000A
 - Aluminum Housing
 - Interleaved Design
 - IEC/IS DESIGN
 - Better Thermal Management

State-of-the-Art Manufacturing Facility



Manufacturing Plant - Mysuru

At BK Power Tech, we believe that world-class products start with world-class infrastructure. Our cutting-edge manufacturing facility in Mysuru & Coimbatore is equipped with advanced technology and precision machinery, ensuring top-notch quality, efficiency, and on-time delivery—everytime.



Manufacturing Plant - Coimbatore

A passion for **SAFETY & QUALITY**

Key Facilities:



Design Department



Tender Department



Training

CNC Fabrication Unit :

- MURATEC CNC Turret Punch
- TRUMPF CNC Turret Punch
- Amada CNC Punching & Bending
- HHP CNC Punching & Shearing
- Laser Cutting Machine
- Advanced Welding Machines



Advanced Power Coating Facility

Key Features :

- 8-Tank Pre-Treatment Process with Dry-OFF : Provides enhanced surface preparation and superior corrosion resistance.
- Ensures uniform thickness and high adhesion for a flawless finish.
- High-Temperature Curing Ovens : Guarantees a tough, scratch-resistant surface for extended durability.
- Eco-Friendly & Compliant Process : Designed to minimize environmental impact while maintaining quality standards.
- Engineered for precision and protection, our facility ensures a premium finish that meets the highest industry benchmarks

Assembly & Finishing:

- Pneumatic System for Hardware Tightening
- CNC Busbar Machines

Quality & Testing:

- Equipped with advanced testing instruments Lab for routine test on panels



Pre -Tank process



Spray Booth



Oven

CNC Multi Function Bus Bar Processing



CNC Multi Function Bus Bar Processing

- High Precision Punching, Cutting & Bending for copper and aluminum busbars.
- Burr-free operations ensuring clean, safe edges for optimal conductivity.
- Custom configurations for complex panel designs and high-density layouts.
- Fast turnaround with automated repeatability and zero manual error.
- Support for high current ratings in compliance with IEC/IS standards.

A Passion for
**SAFETY &
 QUALITY**

WHY US? True Peace of Mind

Test & Standards

Fully Type-Tested & Compliant with International & Local Standards, Switchboard as per IS/IEC 61439-1&2 Certified by CPRI / ASTA / ERDA. IEC 62271-100&200 Certified by CPRI. Technology Partnership with leading Global Pioneers.

Dust and waterproof

IP30 up to IP65 as per IS/IEC 60529 Enables the erection of the equipment in a production environment.

Internal form of separation

Up to Form 4B as per IS/IEC 61439-1 Enables safe modification under energised conditions

Compact

Increase functional floor space in building services.

Smart and simple design

Secure fast deliveries

Durable surface protection

Shock and scratch resistant Minimise damages during transportation

Maintenance free busbar system

Lower investment costs

Complete Documentation

Technical document, As-built drawings are in hard and soft copies.

OUR PRODUCT RANGE

SIEMENS PANELS Siepan 8PU - Siepan Elite



- PCC Panel** : Advanced Power Control Centers ensuring efficient energy distribution.

- MCC Panel** : Robust Motor Control Centers to streamline motor operations.

- IMCC - Intelligent MCC** : Smart panels designed for precise motor control and advanced automation.

- DG Synchronization Panel** : Seamlessly synchronizing diesel generators for uninterrupted power supply.

- Fully Drawout Panel** : Flexible, fully modular solutions for complex power systems.

- AMF Panel** : Automated panels tailored for swift mains failure management.

- Hybrid AHF + APFC Panel** : AHF & Thyristor + Contactor switched Factor Correction for power quality solutions.

- APFC Panel** : Automatic Power Factor Correction for optimized energy utilization and savings.

- CSS Substations** : Compact Secondary Substations delivering integrated power distribution.

- VFD Panel** : VFD panels for dynamic motor speed control and energy efficiency.

- Soft Starter Panel** : Panels engineered for smooth motor startup, reducing stress on machinery.

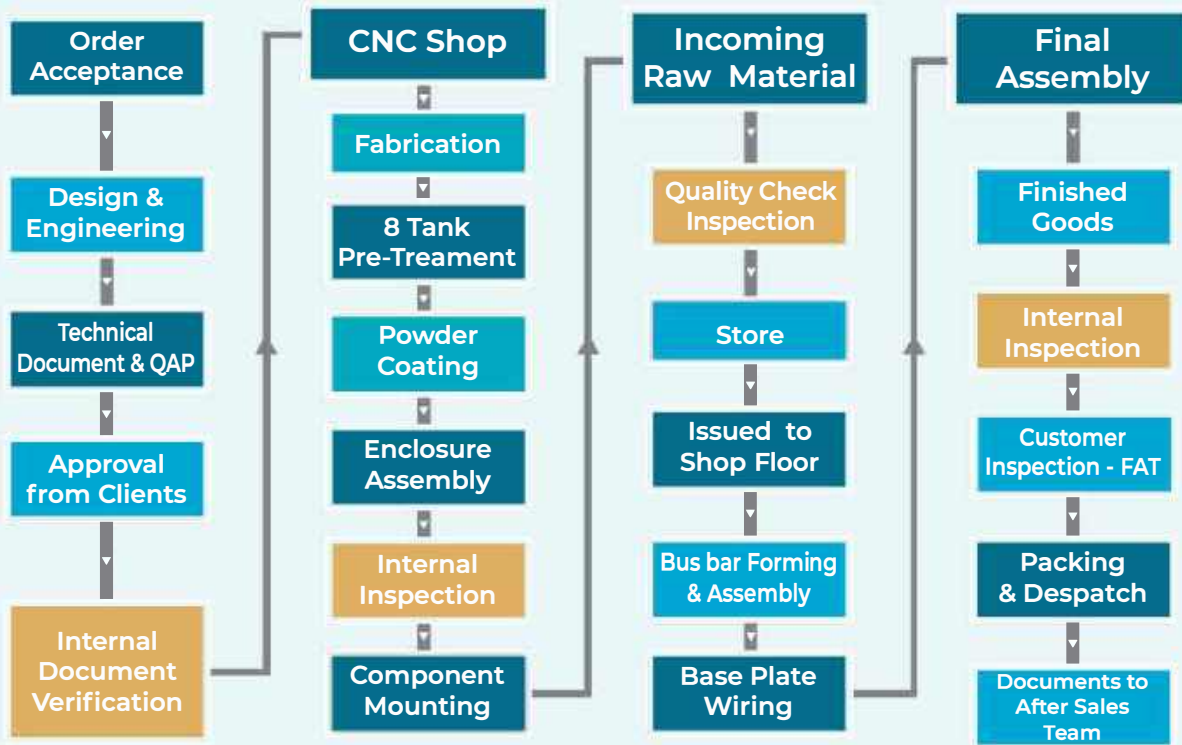
- PLC/SCADA Panel** : Precision control panels for advanced automation & system monitoring.

- Bus Ducts** : Reliable power distribution solutions designed for industrial setups.

- HT Panel / VCB Panel** : High-Tension and Vacuum Circuit Breaker panels crafted for critical operations.

- Power-Mx Modular Enclosures** : Modular Switch Board enclosures for all your electrical distribution applications.

PERFECT Manufacturing System



Certificates



Awards



Our Expertise spans a wide spectrum of sectors...



Infrastructure



Hotels & Hospitality



Oil & Gas



Refinery



Data Centres



Real Estate



Health Care & Pharma



Cement Companies



Food & Beverage



Power & Renewable Energy



Water & Waste Water



Steel Industries

We provide reliable, end-to-end solutions from concept to commissioning, powered by our partnership with **SIEMENS** Delivering seamless power, control, and peace of mind for every project.

Think job done.

Recent Project References :



KPR Tech Park



Span Venture SEZ



Robert Bosch



SIERRA ODC Private Limited



Watertec India Pvt Ltd



Swelect HHV Solar Photovoltaics Pvt Ltd



Aypols Polymers



LUKER



Bharathi Cement



Salarpuria Sattva



Globus Arima



KPR CAS



Licensed Partner
For
SIEPAN 8PU
SIEPAN Elite

SIEMENS

Switchboards have been patronized by various segments like Cement, Steel, Refinery, Oil & Gas, Pharma, F&B, Data centres, Hospitals & Hotels, Metro-rail projects having deployed more than 1,00,000 LV switchboards for maximum reliability and performance.

BK POWER TECH

Since 1989 TURNKEY ELECTRICAL & AUTOMATION SOLUTIONS

Marketing Office
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Karnataka - 560062, INDIA.
Mob : +91 99898 72244 / +91 93413 84007
E-mail : info@bkpowertech.com

Manufacturing Locations

MYSURU :
65-F3 & 65-F4,
Hootagalli Industrial Area,
Mysuru - 570018
Karnataka, INDIA.
Mob : +91 70224 26444

COIMBATORE :
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No.7&8, S.M. Nagar West,
N.G.G.O. Colony,
Coimbatore - 641 022.
Tamil Nadu. INDIA.
Mob : +91 76676 12255

LOCATIONS: BENGALURU | MYSURU | CHENNAI | COIMBATORE | KARUR | COCHIN

www.bkpowertech.com