



EXPERT ENGINEERS
House of MV Product

“**We**
provide best in class
quality and services”

www.expertengineers.org

ABOUT US :

Early Entrepreneurial Challenges

Group colleagues had not prior business experience when they started “EXPERT ENGINEERS” But everyone in group was a strong technologist, with an admirable record of technical service excellence in the companies they worked for. He was convinced that group members were excellent in their line of operations, and that their services would be able to fill a lacuna in customer requirements.

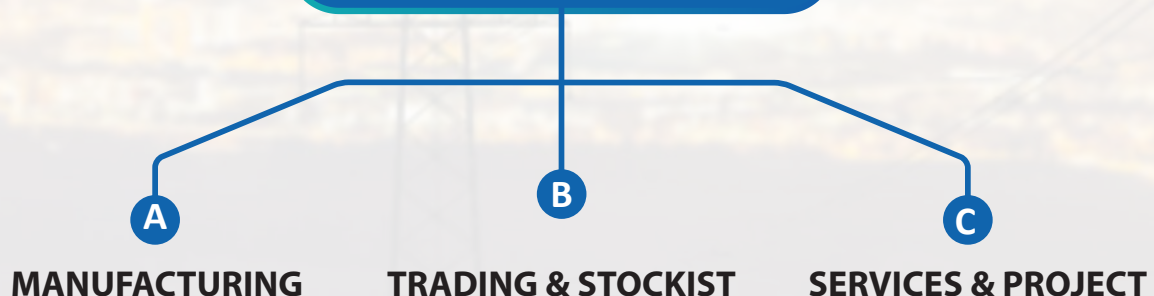
Business Ethics and Operating Principles Commitment to Excellence, Customer-first!

As work began on the first few projects, the learning was immense, and a firm work ethics were born. ethic being- commitment to excellence in work Quality & Speed. Instead of offering a fixed set of services, choose to explore and give its customers complete solutions. It meant listening to customer needs, working to provide the right solution, investing in right people with right tools, This was the beginning of EXPERTS's leadership in Manufacturing and Services.

INFRASTRUCTURE

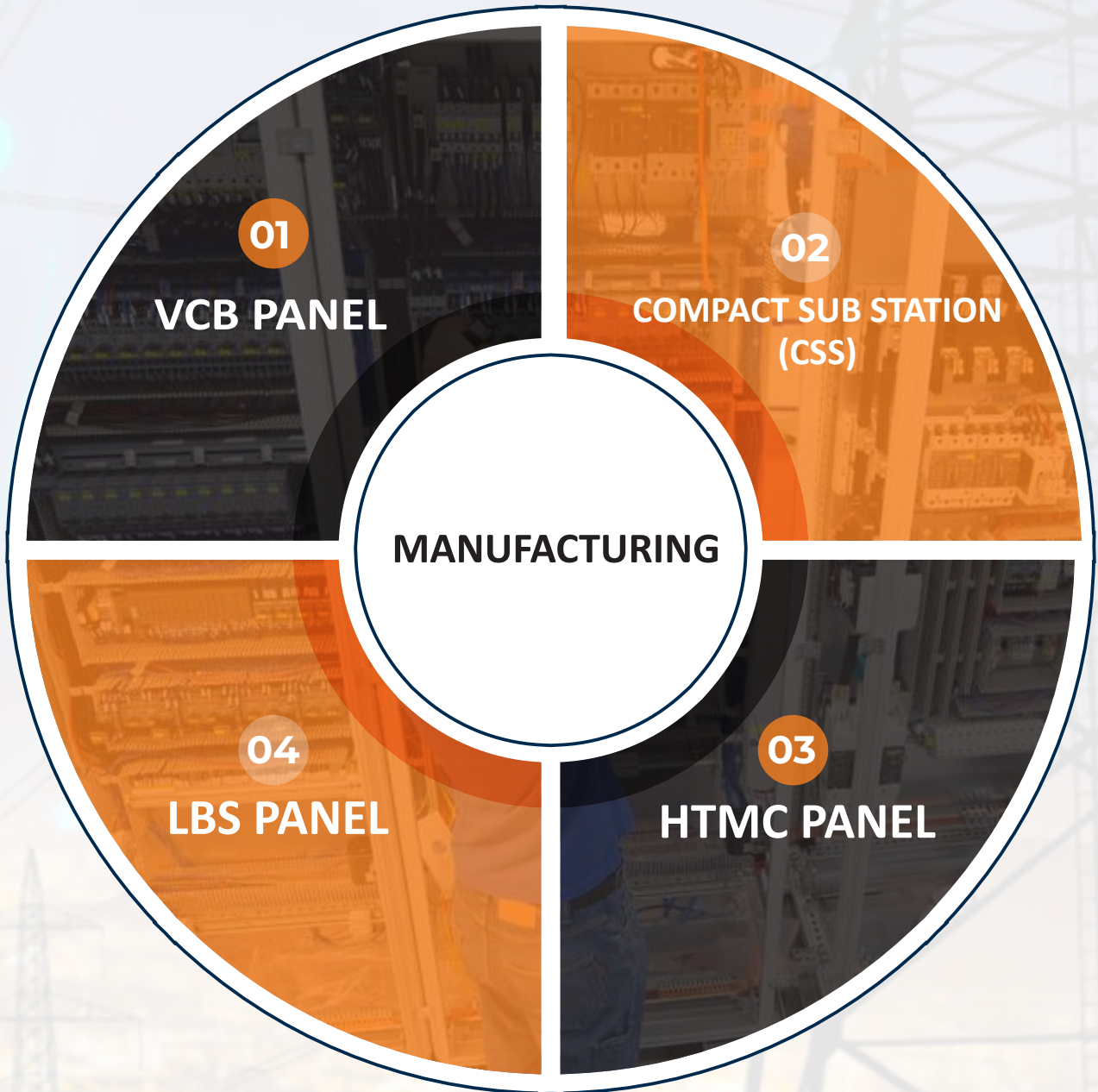
- Manufacturing Facility : 35000 Sq. ft Area with Highly Technical Staff and Latest Equipment.
- Marketing Office : 873 Sq.ft area in Ahmedabad center Area for marketing and Service team.

COMPANY VERTICAL



Our mission is to become One Point Solution Partner for our clients with Correct Technical Support Best Products & Unmatched after Sales Services

PRODUCT PORTFOLIO



MANUFACTURING STRENGTH

Certificate

CG Power and Industrial Solutions Limited, (formerly Crompton Greaves Limited)
Switchgear Complex, Ambad, Nashik
are pleased to appoint

Expert Engineers, Ahmedabad

as our **"Manufacturing Business Associate"**
for **Medium Voltage Indoor Panels.**

These Panels will be manufactured using CG make Vacuum Circuit Breaker.

This authorization is issued in conformance of Terms & Conditions of
"Manufacturing Business Associate Agreement"



Dated : 1 Jan 2019
Place : Nashik

A handwritten signature in black ink, appearing to read "Mukul Srivastava".

Mukul Srivastava
Vice President - Switchgear
Nashik



Smart solutions.
Strong relationships.



VACCUM CIRCUIT BREAKER (VCB PANEL)

11 KV & 33 KV Indoor/Outdoor VCB Panel



Indoor Panel



Outdoor Panel

Technical Data - Calix VCB (Floor Mounted)

Characterist	Units	VCB					
		Upto 800	1250	Upto 2000	Upto 2500	Upto 3150	Upto 3150
Rated Voltage	kv	Upto 12 (Calix) *					
Rated Current	Amp	Upto 800	1250	Upto 2000	Upto 2500	Upto 3150	Upto 3150
No of poles	nos	3					
Frequency	Hz	50/60					
Symmetrical Breaking Capacity	kA rms for 3sec	13.1	20	25	31.5	40	50
Making Capacity	kApk	32.75	50	62.5	78.75	100	125
Impulse withstand	kVpk	75 (std) / 95 (optional)					
Operating Duty	cycles	0-0 3sec-CO-3min-CO (Rapid Autoreclosing Duty)					
Total Break Time	cycles	3			3.5		
Make Time	cycles	3					
DC Component	%	< 50%					
Degree of protection		IP 5X , (optional)					
Applicable Standard		IS 13118, IEC 62271-100/200					

Rate Voltage : 15 / 17.5 KV available for overseas requirement

COMPACT SUB STATION (CSS)

Characteristics	Units
Rated Voltage	12 / 22 KV
Rating	250 kva to 2500 kva
HV Switchgear	RMU / VCB
Transformer	Oil Type / Cast Resin Type
LV Switchgear	MCCB / ACB
Type	Indoor / Outdoor
Busbar Type	Alluminium / Copper
Protection	VCB / RMU
Safety	Interlock System



HTMC PANEL - UGVCL APPROVED



Characteristics	Units
Type	VCB / LBS
HTMC -VCB	800 Amp / 1250 Amp
HTMC - LBS	630 Amp.
Rated Voltage	12 KV
No.Of Pole	3 No.
Frequency	50 Hz
Symmetrical Breaking capacity	25 KA for 3 sec.
Degree of Protection	IP 55
Busbar Type	Alluminium / Copper
Protection	Relay / HRC Fuse
Safty	Interlock System
Indication	On -Off , VPIS ,
Relay in VCB Type	Over current & Earth Fault

LBS PANEL



- Load break switch with earth switch & fuse trip
- Earth Bus
- Busbar support Insulator
- HT + HRC Fuse
- Alluminum Busbar
- Danger Name Plate
- Lifting Hook
- LBS operating Port
- Earth switch Operating Port
- Spring Charge Indication
- Manual Trip push button
- Earth switch On Off Indicator
- View Glass

Characteristics	Units
Rated Voltage	12 KV
Rated Current	630 Amp.
No.Of Pole	3 No.
Frequency	50 Hz
Location of Installtion	Outdoor
Busbar Type	Alluminium
Protection	HT HRC Fuse
Safty	Interlock System
Indication	On -Off



SUPPLY PORTFOLIO



TRADING & STOCKIEST

1. RING MAIN UNIT (RMU)

Characteristics	Units
Product	RMU
Rated caurrent	630 Amp.
Rated Voltage	11 KV / 22 KV / 33 KV
Frequency	50 Hz
Breaking capacity	21 KA / 16 KA
Protection	Over current & Earth Fault Relay
Dielectric withstand	28 kv/ 1 minute
Metering Panel	As Requirement
Mechanisam	Manual OR Motorized



2. RELAYS

Relays code	Function name
27/59	Over Voltage / Under Voltage Protection
50N / 51N	IDMT with Instantaneous Earth Fault Relay
60	Current Balance Relay
63	Dual Element Auxiliary Relay for Transformer
86	Lockout Relay
94	Anti Pumping Relay
95	Trip Circuit Supervision Relay
97	PT Fuse Failure Relay
MPR	Motor Protection Relay
87 T	Differential Protection Relay



3. EHV SWITCHGEAR

- Authorized Service Provider of CGPISL.
- Supply & Stockist of 66 KV to 220 KV Switchgear
- Supply of HV & EHV Isolators
- Spares for Switchgear & Isolator
- Supply of CT & PT
- Supply of EHV GIS Switchgear



4. LIGHTING ARRESTER

- Supply & Stockist of L.A.
- Supply & Stockist of 60 KV to 198 KV Lighting Arrester
- Supply of Surge Counter with Accessories
- The types of arresters used are also called distribution Type or Station Type of arresters.
- The technology of the arresters is basically metal oxide gapless.



5. TRANSFORMER

- ▶ Supply of Power & Distribution Transformer
- ▶ Authorized Dealer for CGPISL Transformer
- ▶ Supply of Spares of All Type of Transformer



6. GIS

- ▶ Supply & Service Provide of MV & EHV Gas Insulated Switchgear (GIS)
- ▶ Supply of Spares, Mechanism & Relay for GIS
- ▶ Installation Support for GIS



7. EV CHARGER

- ▶ Destination Charging : 7 kW to 22kW
(Market: Malls, IT parks, Restaurants, Highways, Apartments)
- ▶ AC Wallbox (Home) : 3kW to 7 kW
(Market: OEMs, Villas, Apts, Small offices, High Rise Buildings, Replacement Chargers)



8. HT APFC PANEL

- ▶ Application : Power factor Control
- ▶ Construction type : Modular & Fixed Type
- ▶ System Voltage : 3.3 KV , 6.6 KV , & 11 KV



SERVICE PORTFOLIO



SERVICE & PROJECT

1. MV & HV SWITCHGEAR :

- Authorized Service Provider of CGPISL.
- Retrofitting of panel & switchgear
- Routine service, maintenance , Testing & AMC
- Modification & Retrofitting of Relay
- Emergency breakdown Service
- Field Testing Service
- Spare for MV & HV Switchgear



2 . LV SWITCHGEAR

- Predictive & Preventive maintenance service
- Overhauling & Maintenance of ACB / MCCB / APFC Panel / MCC
- Identification , Recommendation & Replacement of spares
- Field Testing Service



3. TRANSFORMER SPARES

- Overhauling of power & Distributor Transformer
- Transformer oil filtration.
- Commissioning of Transformer
- HV Bushings ➤ Radiators ➤ Gaskets
- Oil / WTI Temperature Indicators (OTI) and fixings
- Buchholz Relay spares
- Breathers



4. PROJECT :

- Lisioning with Govt. Department
- Complete Solution For Selection of Switchgear
- Expert in Replacement of MV Panel with Existing Panel
- Installation, Testing & Commissioning of LV , MV , EHV Panel & Transformer
- Underground Cable fault Service
- Retrofitting Of Relay





SECTOR WE OPEARTED

- GETCO
 - Food & Beverage
 - Hospitality
 - Ceramics & Tiles
 - Power Plants
 - Paint & Chemicals SB
 - Pharmaceuticals & Healthcare
 - Commercial
 - Textile
 - Cement & Steel
 - Laminates & Paper
- Governments Corporation
 - Pumping Station
 - Ports and Airports
 - Infrastructure
 - water Treatment -GWSSB
 - AMC
 - R & B
 - CPWD
 - Packaging & Print
 - Utility Companies

OUR EXECUTION PROJECT



Company Details :

NAME : EXPERT ENGINEERS

CONCERN PERSON NAME : MITESH PATEL.



Office Address :

SF – 210, Lilamani Corporate Heights,
Opp. Ramdevpir Tekra BRTS Bus Stop,
New Wadaj, Ahmedabad - 380013,
Mo : 9722133739



Factory Address :

A2-A3, Galaxy Industrial park,
Opp. Bansari Gau Shala ,
Bakrol - Dhamatvan Road,
Dhamatvan - 382435 , Ahmedabad

BUSINESS :

1) MANUFACTURING OF HT PANEL , COMPACT SUB STATION (CSS),
HT METERING CUBICAL (HTMC) , LOAD BREAK SWITCH (LBS).

2) TRADING OF RMU , GIS , TRANSFORMER , HT APFC , LIGHTING ARRESTOR ,
EHV SWITCHGEAR , RELAY.

3) SPARE , SERVICE AND PROJECTS : (AUTHORIZED DEALER AND SERVICE
CONTRACTOR OF CG POWER AND INDUSTRIAL SOLUTIONS LIMITED

PAN No. :	AAEFE5142R
GST NO :	24AAEFE5142R1Z6
Electrical Supervisor No :	G/GS-E-002063-BEE-2013
Electrical Contractor License No. :	G/AHD/C-2892.
EPF NO :	GJAHD1724350000
ESI NO :	37001120760001001

Financial Transaction of Last Four Years :

YEAR 2017 – 2018 :	Rs. 8.62 CR
YEAR 2018 - 2019 :	Rs. 10.99 CR
YEAR 2019- 2020 :	Rs. 9.55 CR
YEAR 2020-2021 :	RS. 9.86 CR

