Actual Image of Supplied Panels

Manufacturing Profile

18 Years of Excellence
2002 - 2020

An ISO 9001 : 2015 Certified Company

EXPEL PROSYS
PRIVATE LIMITED

www.expelprosys.com

ABOUT US

EXPEL PROSYS PVT LTD was established in 2002 & since then has created a glorifying history in India as well as at an International level as not only a Quality Service Provider but also as a Siemens' Authorized distributor Partner for their advanced electrical products such as Numercial Relays, Ruggedcom Ethernet Switches, Spares for Switchgear Equipment ranging from 0.415KV to 400KV as well as for supply of CRP/MV/LV Switchgear Panels.

The company was founded by three enthusiastic engineers namely Mr. Chirag Shah, Mr. Manoj Patel & Mr. Keil Shah in the year 2002 with major focus on Emerging out as a Quality Manufacturer for CRP/MV/LV switchgear Panels; As an outstanding trader for Siemens Switchgear Products & For providing Service Offerings in the field of Testing Commissioning, Maintenance Job, Consultancy & System Study for the electrical distribution system, whose voltage levels are in the range of 0.415 KV to 400 KV.

EXPEL PROSYS PVT LTD has profound experience for Testing, Commissioning, Operation and Maintenance of Electrical Power & Distribution system. Moreover, the service area is further expanded by adding up Health Check-up services (Maintenance & Overhauling) of LV/MV & EHV Switchgears along with a wide range of prime services.

EXPEL PROSYS PVT LTD has esablished a very well equipped modern full-fledged 24000 sq. ft. & 10000 sq. ft. Manufacturing Units at Plot 454 & 347 respectively at Manjusar GIDC Ta. Savli, Dist. Vadodara, Gujarat & is equipped with modern machineries with technical capabilities at par with qualifying standards and well trained manpower to successfully carry out production work of high quality MV/LV Switchgear Panels & Control panels for our valuable customers which also includes some of the internationally renowned MNCs.

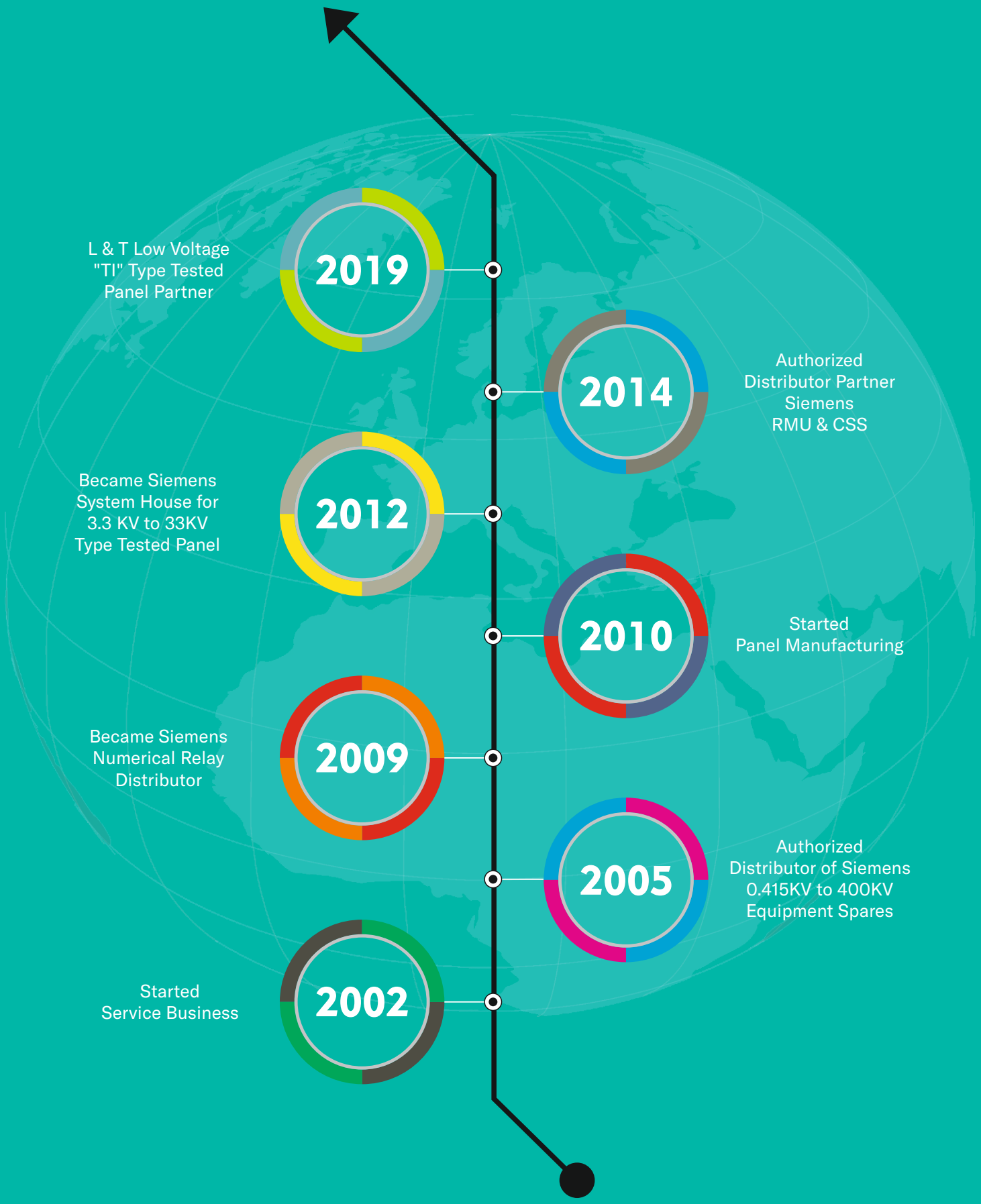
Led by the team of 200+ highly qualified & experienced engineers backed up by the vision, strength and unmatched skills & expertise of the founders, "EXPEL PROSYS" have grown work wise as well as turnover wise in many folds during last 18 years' amazing journey till 2019.

With the international exposure in 9+ countries and more than 600+ clients from India and abroad till 2019, Expel Prosys have built several key focus areas where we provide products and services to our valuable customers.

Today, Expel Prosys is a renowned & well respected electrical engineering company which has its roots firmly held up & well established in the market. Our large customer base consists of Government owned companies, MNC Firms as well as large to small home-grown companies.

We look forward to continue our journey of providing you not only with high end but also reliable quality products and solutions to our valuable customers, thereby creating positive impact and increasing their plants' efficiency levels.

THE JOURNEY OF EXPEL PROSYS PRIVATE LIMITED



OUR ACHIEVEMENTS

1. As a Manufacturer

- Executed Single order Value of 790 Lacs for 11KV, 40 KA Single Bus Bar & Double Bus bar Switchboards
- Supplied 2000 + MV Panels (3.3KV to 33KV Voltage Level) as SIEMENS System House till 2019
- Supplied 1000 + LV Panels till 2019
- Supplied 500 + GRP, CRP, TCP, TSS, AVR & Synchronising Panels till 2019
- Double Bus bar MV Switchboard Manufacturer with Motorised / Manual Isolator Operation
- State of the Art Manufacturing Facility
- Inhouse Modern Fabrication Facility

2. As a Distributor

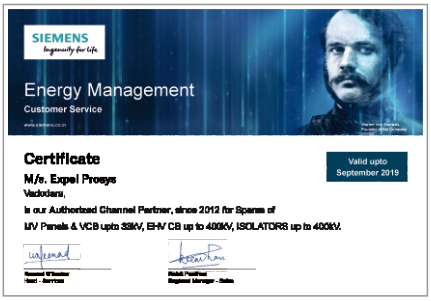
- SIEMENS Numerical Relays Authorized Distributor Partner - Sole Distributorship in Gujarat Region
- The First Appointed Authorized Distributor Partner of Siemens in India for Numerical Relays
- SIEMENS Authorized distributor for spares of Switchgears in the range of 0.415KV to 400KV
- SIEMENS RMU (Ring Main Unit) Authorized Distributor
- 9 Times SIEMENS award winner for "All India Best Performer" for selling maximum number of Numerical Relays till 2019
- First ever Indian SIEMENS Partner to attend Generator Protection Training at SIEMENS Nuremberg, Germany

3. As a Service Provider

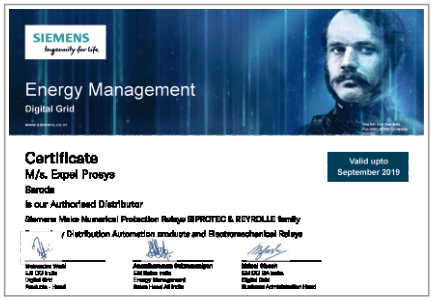
- 600 + Satisfied Clients from India & Abroad till 2019
- International exposure in 9 Countries
- 150 + Plants' System Study & Relay Co-ordination Projects executed
- Protection Audit Work carried out for GETCO, GSEG, GPPC & for many more plants at Power Generation & Transmission Level

SIEMENS Authorization Certificates

Ruggedcom Switch



Switchgear Spares



Numerical Relays

INFRASTRUCTURE

EXPEL PROSYS PRIVATE LIMITED AS A MANUFACTURER

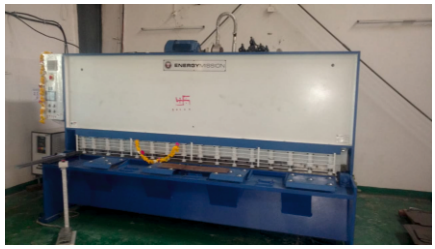
We understand that facility layout and design are considered as the most important components for business's overall operation, both in terms of maximizing the effectiveness of the production process as well as meeting the needs of employees. Thus, in order to serve our valuable customers in a much more effective way, Expel Prosys has esablished a modern & full-fledged 24000 sq. ft. & 10000 sq. ft. Manufacturing Unit at Plot 454 & 347 respectively at Manjusar GIDC Ta. Savli, Dist. Vadodara, Gujarat. These are housed with well equipped modern machineries with technical capabilities at par with qualifying standards along with well trained manpower to successfully carry out production work of high quality MV / LV Switchgear Panels & Control Panels for our Valuable customers which also includes some of the widely known MNCs in the world.

CORPORATE HOUSE

MANUFACTURING UNIT

Fabrication Workshop Facility

The plant has inhouse fabrication Workshop facility which houses AMADA MAKE CNC TURRENT PUNCH PRESS, YAWAI MAKE HIGH DEFINATION BENDING MACHINE as well as CNC PRESS BRAKE SHEARING MACHINE

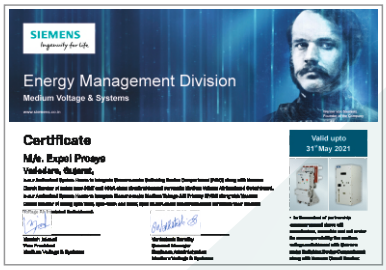


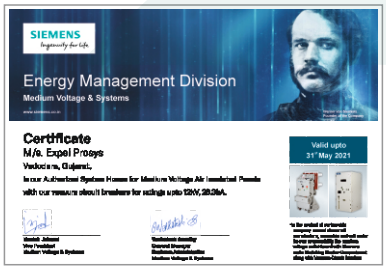
SIEMENS SYSTEM HOUSE FOR 3.3KV TO 33KV, 25KA TO 44 KA PANELS

EXPEL PROSYS PVT LTD is SIEMENS Authorised System House for Manufacturing & Supplying MV Switchgear Panels from 3.3KV to 33KV Voltage Level.

Range of MV Indoor & Outdoor Panels are as below :

1	12KV	800 Amp	26.3 KA
2	12KV	1250 Amp	26.3 KA
3	12KV	1600 Amp	26.3 KA
4	12KV	1250 Amp	31.5 KA
5	12KV	2500 Amp	31.5 KA
6	12KV	1250 Amp	40.0 KA
7	12KV	1600 Amp	40.0 KA
8	12KV	2000 Amp	40.0 KA
9	12KV	2500 Amp	40.0 KA
10	12KV	3150 Amp	40.0 KA
11	36KV	1250 Amp	31.5 KA
12	36KV	2500 Amp	31.5 KA
13	36KV	1250 Amp	40.0 KA
14	36KV	2500 Amp	40.0 KA





SALIENT FEATURES

- Proven Design as per Technology Transfer Agreement Compliances with Siemens Ltd
- Type Tested Panels
- Fabrication on CNC Machine for greater Accuracy & uniform Finish
- 9 Tank Phosphating process & Powder Coating
- Neat & Clean Wiring
- Strong Engineering Team for Preparing most complex Scheme
- Designed for Outdoor & Indoor Application
- Totally Encapsulated design for extra high safety
- Trained Manpower for 24X7 technical support
- Siemens Back up for Technology

Type Test Available

- INTERNAL ARC TEST as per IEC 62271-200 Criterion
- Dielectric Test (TTR TEST)
- Cable Charging Current Switching Test Class C1
- Capacitive Current Switching Testdegree Of Protection Test
- Double Earth Fault Test
- Mechanical Endurance Test Class M2
- Short Circuit Test Duties
- Single Phase Breaking Capacity Test
- Temperature Rise Test

EXPEL PROSYS MEDIUM VOLTAGE PRODUCT RANGE

Medium Voltage Panels upto 33 KV

- Medium Voltage Panels 3.3 KV to 33 KV Voltage level.
- Medium Voltage Panels from 25 KA to 44 KA
- Type Tested Design for 11 KV Single and Double bus bar Panels & 33KV Panels
- Outdoor Panel design from 3.3 KV to 33 KV Voltage Level
- No separate Maintenance Trolley required
- Safe and easy truck movement behind closed cubicle door
- Separately pad-lockable shutter for bus and cable side fixed contacts
- All switching operations performed with breaker compartment's door closed
- Earthed metallic partitions and shutters to prevent direct contact with live parts
- Standards: IS 3427 and IS 12729 ; IEC 62271 - 100; IEC 62271 - 200

Load Break Switch Panel upto 33 KV

- Available up to 33 KV indoor & outdoor applications
- Manual or Motorized operations
- With fuse protection for ON LOAD / OFF LOAD application
- With CT / PT & Tariff metering

Authorized Distributor For SIEMENS 11KV & 22KV Ring Main Unit (RMU)

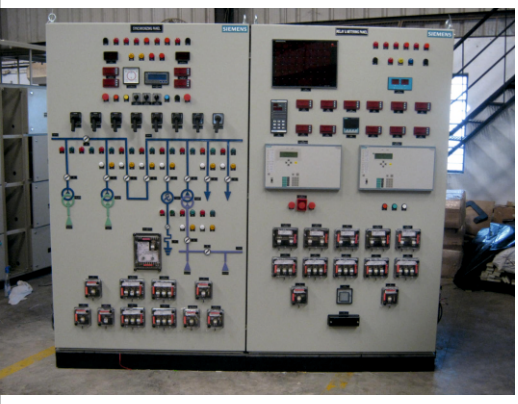
EXPEL PROSYS CRP AND GRP PRODUCT RANGE

CRP for Transmission Line upto 400 KV

- EXPELPROSYS is Approved vendor in GETCO for 66 KV CRP
- Trusted Manufacturer of CRP for Transformer Feeder, Capacitor Feeder, Line Feeder, Outgoing Feeder
- Type Tested for IP54 Protection
- SCADA Compatible panel supplied with IEC 61850 / Modbus protocol

Generator Control & Synchronizing Panel

- Supplied for maximum 150 MW Turbine Generator system
- Customized Solution as per Scheme requirement
- Panel Supplied with SIEMENS / ABB/ SCHNEIDER / AREVA make relays
- Options available for Generator Relay Metering / Synchronizing Panel Individual
- Site commissioning support with our expert engineering team



LAVT (lightning Arrestor & Voltage Transformer) Panel

Turbine Supervisory Panel Turbine Control Panel

Supplied for maximum 150 MW Turbine Generator system.

LARSEN & TOUBRO FRANCHISE - TYPE TESTED "TI" DESIGN

FOR, Manufacturing & selling of Low Voltage Switchgear & controlgear assemblies in "TI" design conforming to L & T's design & manufacturing guideline along with L & T supplied components & switchgear products. "TI" design is fully type tested assembly in accordance with IEC 61439 for Low Voltage Switchgear & Controlgear assembly.

Electrical Specifications :

SR. NO.	NAME	RATINGS
1	Operation Voltage	380 – 690 V AC
2	Rated Frequency	50 / 60 Hz
3	Insulation Voltage	690 V
4	Short Time Withstand	50 / 65 KA for 1 Sec
5	Peak Withstand	105 Ka
6	Rated Current (Maximum)	4000 A

General Specifications :

SR. NO.	NAME	RATINGS
1	Conforming Standards	IS8623, IS13947 & IEC 61439
2	Degree of Protection	IP54 as per IS2147
3	Panel Types	Side cable Entry and rear cable entry.
		SUP Type (Width) – 300, 440,600, 800 & 1000
4	Main Horizontal Bus Bar	At top in Single Deck for ratings upto 4000A
		At top in Double Deck for ratings above 4000A
		At bottom HBB System Non – interleave single deck,
		Arrangement only for DB Panel
5	Cable Entry	DB Panels –Top & Bottom
		SUP – Bottom (STD) / Top (optional) through AOC only
6	Vertical Bus bar	On right side for each panel OR At Center shared between twin
		panels OR Shared between Front & Rear
7	Optional Features	Sleeving of HBB with Black PVC Sleeves
		Bus Bar Joint Shrouds, ISMC Base Channels

EXPEL PROSYS LOW VOLTAGE SWITCHBOARD PRODUCTS RANGE

PMCC : Power & Motor Control Center Panel
PCC : Power Control Center Panel

- Product range available upto 6300 A / 70KA rating
- Intelligent PMCC Solution available
- Manufactured PMCC Panel upto 24 Mtrs
- Fully type tested panel in accordance with IEC 61439
- Totally enclosed dust proof and vermin proof and Fully compartmentalized
- Cable entry from top or bottom
- Customer choice of switchgear
- Single / double bus bar system
- Front and rear excess
- IP Protection: IP 42 to IP65

MCC : Motor Control Center Panel

- Product range available upto 3200 A / 70 KA rating
- Manufactured MCC Panel upto 17 Mtrs
- Single / double front construction
- IP Protection: IP 42 to IP65
- Fully type tested panel in accordance with IEC 61439

IMCC : Intelligent Motor Control Center Panel

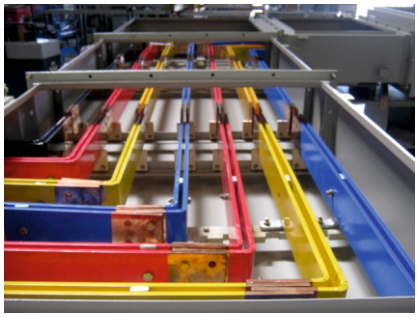
- IMCC with Siemens / ABB / Schneider / L & T switchgear
- Engineering support for automation
- Commissioning support on site with SCADA SYSTEM
- Interlocking through PLC System

EXPEL PROSYS LOW VOLTAGE SWITCHBOARD PRODUCTS RANGE

APFC : Automatic Power Factor Correction Panel

- Manufactured APFC Panel upto 4.6 Mtrs
- Supplied panel upto 1000 KVAR
- RTPFC Panels using thyristor based capacitor switching
- Provision of detuned reactors in the panel for reliable operation

MLDB : Main Lighting Distribution Board
LDB : Lighting Distribution Board
PDB : Power Distribution Board



Bus Duct For Power Distribution

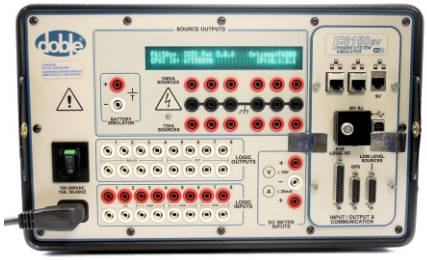
- Busduct supplied upto 6300 A / 70 KA
- Busduct with Copper / Aluminium busbar
- Busduct for Indoor / Outdoor application

Variable Frequency Drive Panel (VFD Panel)

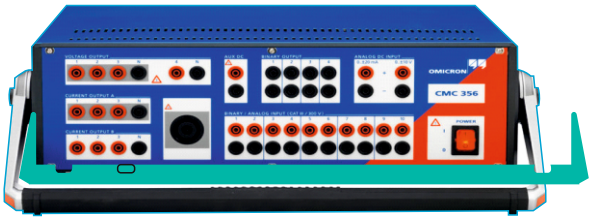
Auto Mains Failure Panel (AMF) & Change Over Panel

TESTING EQUIPMENTS IN USE

Numerical 3 Phase relay test kit



- Make – Doble
- Type – F6150



- Make – Omicron
- Type – CMC 356

Numerical 1 Phase Current Injection Kit

- Make – ISA
- Type – T1000

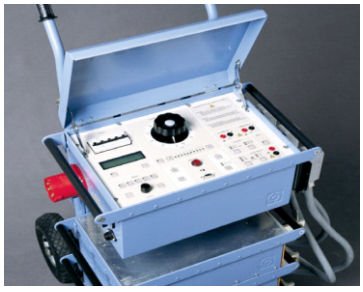
5 kV Motorized Megger kit

- Make – Rishabh

Circuit Breaker Analyzer kit

- Make – ISA
- Type – CBA 1000

Primary Injection Test Kit



- Make - ISA

CUSTOMER LIST

PHARMA / FOOD INDUSTRY

United Breweries Ltd.,
DSCL Sugar Ltd.,
Manpasand Beverages Pvt Ltd.,
Solvay Specialites India Pvt. Ltd.,
Balaji Wafers Pvt. Ltd.,
ITC Limited.,
Mepro Pharmaceuticals Pvt. Ltd.,
Meghmani LLP
E. I. DuPont India Private Limited.,
Alembic Pharmaceuticals Ltd.,
Ipca Laboratories Limited.,
Cosara Dignostics
CTX Life Sciences Pvt. Ltd.,
Sun Pharmaceutical Industries
Aleor Dermaceuticals Ltd.,
Apothecon Pharmaceuticals
Detox India Pvt. Ltd.,
Philips Carbon Black Ltd.,
Nesco Ltd.,
Coromandel International Ltd.,
N R Agrawal Industries Ltd.,
Lechler (India) Pvt Ltd.,
Nivea India Pvt. Ltd.,
IDMC Ltd.,
Indofil Industries Limited.,

CHEMICAL INDUSTRY

Gujarat Alkalies And Chemicals Ltd.
GSFC Limited.
Gujarat Heavy Chemicals Ltd.,
GIPCL
United Phosphorus Ltd.,
Meghmani Organics Limited.,
Nirma Limited.,
Gujarat Borosil Ltd.,
JK Paper Limited.,
Kutch Chemical Industries Ltd.,
Colourtex Industries Pvt. Ltd.,
Shakun Polymers Limited .,
Camlin Fine Science Limited.,
Shiva Pharmachem Ltd.,
Deepak Nitrite Ltd.,
Paushak Limited.,
Bodal Chemicals Ltd.,
Ramdev Chemical Industries.,
Panoli Intermediates (I) Pvt. Ltd.,
Unimax Chemicals Pvt. Ltd.,
Satyesh Brine Chem Pvt. Limited.,
Transpek Silox Industry Pvt. Ltd.,
ATUL Limited.,
PI Industries Ltd.,
Gulbrandsen Chemicals Pvt. Ltd.,
Polychem Industires Ltd.,
Kilburn Chemicals Ltd.,
Huntsman International (I) Pvt. Ltd.,
Zydex Industries Pvt. Ltd.,
Alkyl Amines Chemicals
HI-TECH inks Pvt. Ltd.,
Zydex Industries
Ineos Styrolution Ltd.,
Gujarat Credo Alumina Chemicals
Bloom Seal Containers Pvt. Ltd.,
Sumitomo Chemicals India Limited.,
The Sirpur Paper Mills Ltd.,
Asahi Songwon Colors Ltd.,
Phillips Carbon Black Limited.,
Mahansaria Tyres Ltd.,

STEEL INDUSTRY

Welspun Corp Ltd.,
Steefo Engineering Corporation
Tubacex India Ltd.,
Kavir Steel manufacturing Company
Huliot Pipes & Fitting Pvt. Ltd.,
Sandvik Asia Pvt. Ltd.,
Sky Metals Alloys
Hi-Tech Investment Castings Ltd.,
Bhutan Silicon Metal Pvt. Ltd.,
Konkola Copper Mines
Hindustan Zinc Ltd.,

TEXTILE INDUSTRY

Bhilosa Industries Pvt. Ltd.,
Filatax India Limited.,
Madura Coats Private Limited.,
Colourtex Industries Pvt. Ltd.,
Welspun India Limitd.,
Grasim Industries Ltd.,
Sintex Industries Limited.,
Tufropes Pvt. Ltd.,
Chiripal Industries Ltd.,
Jasani Cotton Pvt. Ltd.,

PETROCHEMICAL / REFINARY

Reliance Industries Limited.,
ONGC Petro Additions
Limited.,(Opal)
Indian Oil Corporation Limited.,
Mohit Petro Chemicals Pvt. Ltd.,
Shell - LNG Petornet, Hazira

GLASS INDUSTRY

SCHOTT Glass India Pvt. Ltd.,
Saint Gobain India Pvt. Ltd.,
Piramal Glass Pvt. Ltd.,
Gujarat Borosil Ltd.,

ENGINEERING / AUTO / OTHER

SIEMENS Ltd.,
Larsen & Toubro Ltd.,
Fag India Products
Hitachi Hi-Rel Power Electronics
Dover India Pvt. Ltd.,
Schaeffler India Limited.,
Apollo Tyres Ltd.
Mahansaria Tyres Pvt. Ltd.
GE Power India Ltd.
Bajaj Auto Ltd.,
NBC Bearing
Schneider Electric India Pvt. Ltd.,
GE Alstom India Ltd.,
Rexel India Pvt. Ltd.,
Mane India Pvt. Ltd.,
Premier Phase Track Pvt. Ltd.,
Koshambh Multitred Pvt. Ltd.,
Talec Engineers Pvt. Ltd.,
ABB Ltd.,
Man Diesel & Turbo India Pvt. Ltd.,
Dalmia Refractories Ltd.,
Bridgestone India Pvt Ltd.,

INFRASTRUCTURES

Madhav Infra
Songadh Infrastructure & Housing
K P GROUP
Air Liquid North India Pvt. Ltd.,
Neptune Realty Pvt. Ltd.,
Rishabh Constructions
SCC Infrastructure Pvt. Ltd.,
Cube Construction Eng. Ltd.,
Corner Point Infra. Pvt. Ltd.,
L&T Limited.,
Taksh Infrastructure LLP
InSolar Energy Pvt. Ltd.
U R Energy Pvt. Ltd.,
Enerparc Energy Pvt. Ltd.,
Renew Mega Solar Pvt. Ltd.,
Siddharth Infra Power Pvt. Ltd.,
Jatson Power Pvt. Ltd.,

ELECTRICAL CONTRACTORS

H M Electrical
Umia Engineering Works
Gayatri Electric Projects
Yash Electricals
J.P.Electricals
Akshar Elecinfra Pvt. Ltd.,
Shree Vardhman Associate
Techno Electricals
DES Electromech
Pratibha Engineering Services
Rajesh Power Services Pvt. Ltd.,
Madhav Infra Projects Limited.,
Harsha Abakus Solar Pvt. Ltd.,
SNS Energy Pvt. Ltd.,
SIMMS Engineering
Sterling Electro Ent. Pvt. Ltd.,
Antelec Ltd.,
MSP Consultant
Pratibha Engineers
Miracle Technology

CEMENT INDUSTRY

JK Cement Works Ltd.,
ACC Limited.,
Ambuja Cement Ltd.,
Saurashtra Cement Limited.,
Ultratech Cement Ltd.,
Birla Chanderia Cement Works Ltd.,
ACC Limited.,
Rain Cements Ltd.,
Savannah Cement Ltd.,
Hi-Bond Cement (India) Pvt. Ltd.,

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SF/34-38, Hiravanti Chambers, Opp. Arya Kanya,
Karelibaug, Vadodara-390018. Gujarat, INDIA.
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Email : info@expelprosys.com
Website : www.expelprosys.com

Factory :
Plot No. 454, Savli, GIDC, Village Manjusar,
Taluka : Savli, Dist. Vadodara-391775.
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ISO 9001 : 2015 Certified Company