



**ADROIT AUTOMATIONS
& ELECTRICAL SERVICES**

About Us

We “**Adroit Automations & Electrical Services**” having head office located at K-201, Phase-8, Focal point , Near Chandigarh road, Ludhiana, Punjab - 141010 is Authorized Channel Partner of ABB & Service Centre of MITSUBISHI - LOW voltage/ MEDIUM Voltage (3.3KV to 33 KV) and HT (66KV and above) switchgear services.



GOVERNMENT CERTIFIED “A CLASS CONTRACTOR”

We have our branch offices in Ludhiana, Chandigarh, Gujrat & New Delhi having prime objective to support in the field of electrical and electronic engineering for the industry to improve productivity and reduce downtime in Zone North, South, East & South West. Our Working & Service area region are Punjab, Haryana, Chandigarh, Himachal Pardesh, Delhi, NCR Uttarakhand, J&K, Rajasthan etc.

ISO 9001:2015 registered | MSME No : PB12D0037138 | GST : 03AAWFA9121A1ZS

We are authorised dealers for ABB Low Voltage (ACB, MCCB, Contactors) and Medium Voltage Switchgears (VCB-5.5KV to 33KV) and Spares & High Voltage (HT) 66KV & Above.

TEAM

A team of experienced engineers who are already trained by ABB Bangalore, SIEMENS & MITSUBISHI are working with us. Different segments of work is handled by separate team including Electronic, Electrical & mechanical jobs. Our team of engineers who have years of experience in the field of Electrical & Electronics Engineering.

SKILLS

SERVICING & OVERHAULING - For ABB / MITSUBISHI / SIEMENS / L&T / SCHNIEDER make Switchgear like ACB & VCB, SF6, Transformer

RETROFIT - Retrofit of ACBs , MCCBs & VCBs (Commissioning and Installation included).

AUTHORISED SOLUTIONS - We are authorized service partner for commissioning of ABB & MITSUBISHI CBs and onsite support & troubleshooting.

AMC - Rate Contracts of PCC / MCC / HT & LT Systems with customer or directly with respective parent company as well

MAINTENANCE - Filtration / Dehydration of Trafo oil & testing of transformers, ACB, VCB, PANELS

PANEL MANUFACTURING – ACB Panel , PCC, MCC, VCB Panel, DBs, Etc

TRAINING - Onsite training on ACB'S, VCBs and SF6 CBs.

REPAIR - ACB, VCB, MCCB, Drives & soft starters (any Make).

WE ARE AUTHORISED CHANNEL PARTNER & SERVICE CENTRE FOR ABB & MITSUBISHI SWITCH GEARS

OUR SERVICES INCLUDES:

- Repairs, Maintenance & Service Agreements for ACB, VCB, TRANSFORMER, PANELS.
- Engineering & Consulting of Switch Yards, Panel Boards, ACB, VCB, SF6.
- Installation & Commissioning of Switch Yards, Panel Boards, ACB, VCB, SF6.
- Spares & Consumables of Switch Yards, Panel Boards, ACB, VCB, SF6.
- Retrofit, Upgrades or Migration OF PANELS/ACB /VCB
- Training
- We deal in all kind of UPS solutions (Supply and service) of ABB make.
- We have a technical specialty in UPS solutions by providing a Economic and customized solution.



SERVICING & TESTING OF CB

- Dynamic CRM.
- Static Contact Resistance Measurement.
- Timing Test of Circuit Breaker.
- Insulation Resistance Measurement.
- Dew Point Measurement.
- High Voltage Test on VCB.
- VCB overhauling/ Testing.
- All Type of VCB spare
- Trip circuit testing
- ACB Release Testing Repairing of CB.

ACB/VCB/SF6/HT RETROFITTING

- ALL CIRCUIT BREAKER RETROFITTING
- RELAY RETRO FITTING
- BUS BAR RETROFITTING
- VCB OLD MODEL SF6 TO NEW MODEL VCB RETROFITTING.
- OLD ACB ANY MAKE TO NEW MODEL ACB (ABB, SIEMENS, SCHNEIDER, L & T)



TRANSFORMER TESTING

- Capacitance & Tan delta Measurements.
- Frequency Response Analyzer.
- Low Voltage Routine Test.
- Transformer Winding resistance.
- Turn ratio Measurement.
- IR & Polarization Index.
- DGA/ BDV/ PPM
- Transformer Diagnostic
- OLTC/ Transformer Overhauling



RELAY COORDINATION & TESTING

- Relay Setting Configuration.
- Relay Scheme Checking
- Relay All Relay Testing Using three phase current injection Kit
- Relay Coordination
- Relay Health Checkup
- ACB Release Testing LSIG

LV/MV/HT SPARES

- READY STOCK SPARES OF ACB/ VCB/ SF6 BREAKERS .
- REPAIRING OF ALL KIND OF HT CIRCUIT BREAKERS.



NEW CB (ACB/VCB/HT)

- HYBRID CIRCUIT BREAKER
- SF6 CIRCUIT BREAKER (UP TO 400 KV)
- VACUUM CIRCUIT BREAKER (UP TO 33 KV)
- AIR CIRCUIT BREAKER
- REPAIR OF ALL KIND OF BREAKER
- SPARE READY STOCK
- NEW BREAKER READY STOCK



NEW TRANSFORMER (UP TO 50 MVA)

- POWER / DISTRIBUTION TRANSFORMER
- PULSE TRANSFORMER
- TWO WINDING TRANSFORMER
- TRANSFORMER SPARES
- SERVICE & REPAIR

NEW PROTECTION RELAY

- ELECTRO MECHANICAL RELAY
- NUMERICAL RELAY
- MONITORING RELAY
- ONLINE PROTECTION RELAY



NEW CT/PT & TESTING

- CAPACITANCE AND TAN DELTA MEASUREMENT.
- POLARITY TEST.
- PRIMARY INJECTION TEST.
- KNEE POINT TEST.
- IR MEASUREMENT.



NEW RING MAIN UNIT

- UP TO 33 KV RMU
- INDOOR/ OUTDOOR TYPE
- MANUAL/ MOTORIZED
- EXTENSIBLE/NON-EXTENSIBLE WITH/WITHOUT METERING

NEW PANEL

- METERING/ PROTECTION PANEL
- DISTRIBUTION PANEL
- FEEDER PANEL
- HV/MVSB PANEL



COMMISSIONING OEM SERVICES

- UP TO 220 KV TRUNKY PROJECTS
- DRAWING, SCHEME SELECTION
- APPROVALS FROM ELECTRICAL
- SPARES & COMPLETE SWITCH YARDS
- REPAIR UP TO 220 KV
- TESTING, INSTALLATION & COMMISSIONING



ELECTRICAL PROTECTION AUDIT

- Station DC Supply Systems.
- Revalidation of Existing Protection Settings of Generators, Transformers, Bus Bar and Transmission Lines
- Verification of Data Logger and Substation Monitoring Systems
- Reviewing Main & Back Up Protection System
- Tele Protection Schemes

ARC FLASH PROTECTION SYSTEM

- COMPLETE ARC FLASH PROTECTION SYSTEM WITH SENSOR, MONITORING RELAY & TRIPPING PROTECTION MODULE



CONSULTATION SERVICE

- LEGAL ADVISOR
- APPROVAL FROM DIFFERENT ELECTRICAL AUTHORITY
- POWER QUALITY & SMOOTHNESS CHECKING WORK.

DPA UPScale ST 10 – 200 kW

The modular UPS designed for low and medium power applications



Up to **10** modules in
parallel per cabinet

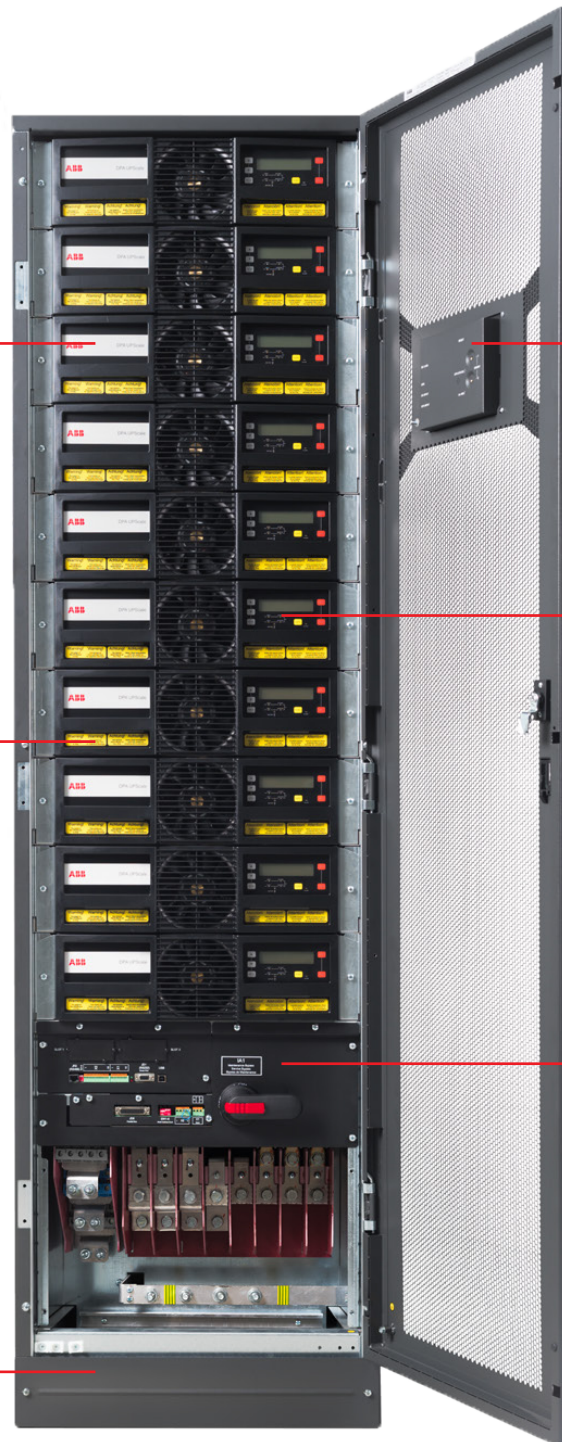
Up to **20** modules in
parallel per cabinet

0.42 m²
footprint only

System Display

400 kW
total system power

Customer input and
output interfaces



DPA UPScale ST



Available models

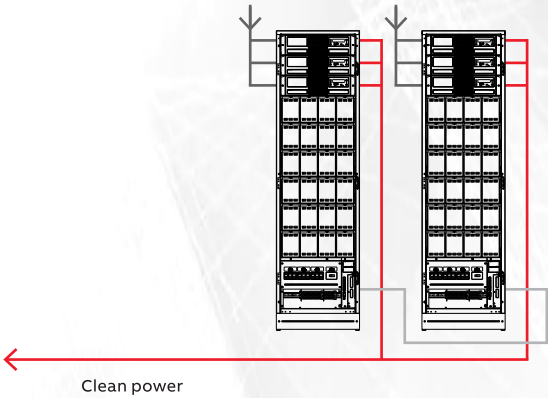
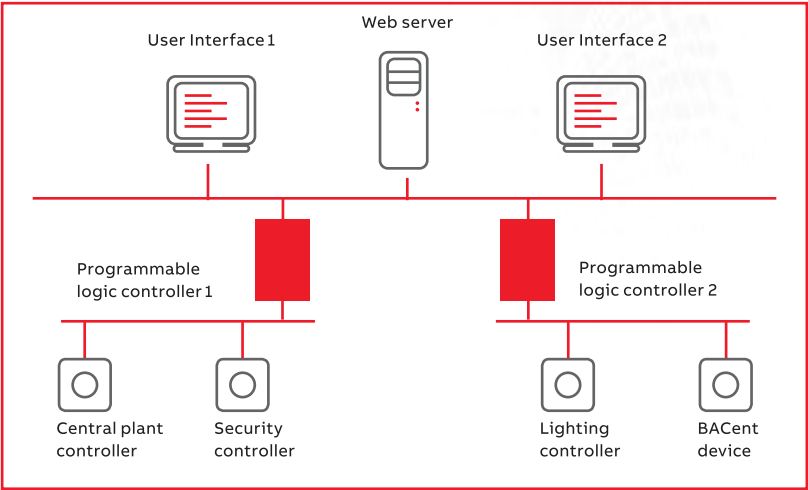


Cabinet type	ST 40	ST 60	ST 80	ST 120	ST 200
Number of modules per cabinet	1 to 2	1 to 3	1 to 4	1 to 6	1 to 10
Parallel frames per system	4	4	4	3	2
Max. number of modules per system	8	12	16	18	20
Max. total system capacity w /o redundancy	160 kW	240 kW	320 kW	360 kW	400 kW

The ideal solution for small- to medium-sized critical power IT applications

The DPA UPScale ST can be deployed in a variety of small- to medium-sized system architectures. In addition to traditional server load applications, the DPA UPScale ST is ideal to protect critical applications such as building management systems (BMS). Large facilities are often provided with BMS to control and monitor the building's mechanical and electrical systems such as ventilation, lighting, fire alarms and security. The BMS is designed to create and maintain a

safe, productive and comfortable environment, thus increasing operational efficiency, decreasing the energy consumption and ensuring the safety of personnel and equipment. The DPA UPScale ST offers clean backup power for sensitive electronic devices (controllers, I/O devices and user interfaces) designed to monitor and control the infrastructure thus avoiding loss of data or damage to equipment.



SOME VALUABLE CLIENTS

**INDO GULF
FERTILISERS**



SOME VALUABLE CLIENTS



GURU NANAK DEV THERMAL PLANT
BATHINDA



KHANNA PAPER MILLS LTD.



PTU

Punjab Technical University



BHAKRA BEAS
MANAGEMENT BOARD



RALSON
Tyres

CLIENTS/INDUSTRIES WE SERVE

SOME OF OUR VALUED CUSTOMERS:

BBMB, PSPCL, GNDTP, GNFC, ASF, IGF, NTPC Shakti Nagar, Vindh Nagar, Hindalco, Nestle, LG Electronics, Moser Baer, BPCL , HUL, Yamaha Motor, Samsung, Jai Bharat Maruti, Jindal, Bhushan Steel, Steel Strips wheels, DLF, DSCL Kota, IRPPL, PGCIL, RRVPNL, PSEB, HVPNL, Samtel, Taj Hotel, Vaidhanta Aluminum Plant, IISER Mohali, , Vardhman, ITC, PTU, and many more. We provide Service and Spare support to various industries like Automobile Industry, Engineering Industry, Casting Industry, Cement, Rolling Mill Industry, Chemical Industry, Telecom Industry, Hospitals, Schools & Colleges, Rice Sheller, Oil Mill Industry, Oil & Gas Industry, Manufacturing Industry, Shopping Complex / Malls, Residential Homes / Flats, Government Buildings, Hotels / Restaurants and many more.

We also deal in HT Trunky Projects (3.3KV, 11KV, 33 KV, 66 KV, 125KV, 220 KV, 440KV) , Including Installation, Supply, Commissioning of the Same.



AAES

ADROIT AUTOMATIONS & ELECTRICAL SERVICES

- 📍 K- 201, Phase - 8 , Focal Point, Industrial Area,
Near Chandigarh Road, Ludhiana - 141010 Punjab
- 📍 Branch Office : Chandigarh, Gujrat, New Delhi.
- ☎ +91 98882-50250
- ✉ info@adroitautomations.com
- 🌐 www.adroitautomations.com