



ELECTROVOLT
ENGINEERING CONSULTANTS



COMPANY PROFILE 2022

www.electrovolt-engg.com



A new & vibrant Engineering Solutions company providing quality Engineering design services in various Power sectors.

We are strongly committed to serve our customers to their fullest happiness.

Electrovolt is a Chennai based Electrical design consultant, established in the year 2019. We have more than 3 years of experience in handling design projects in various power sectors.

VISION

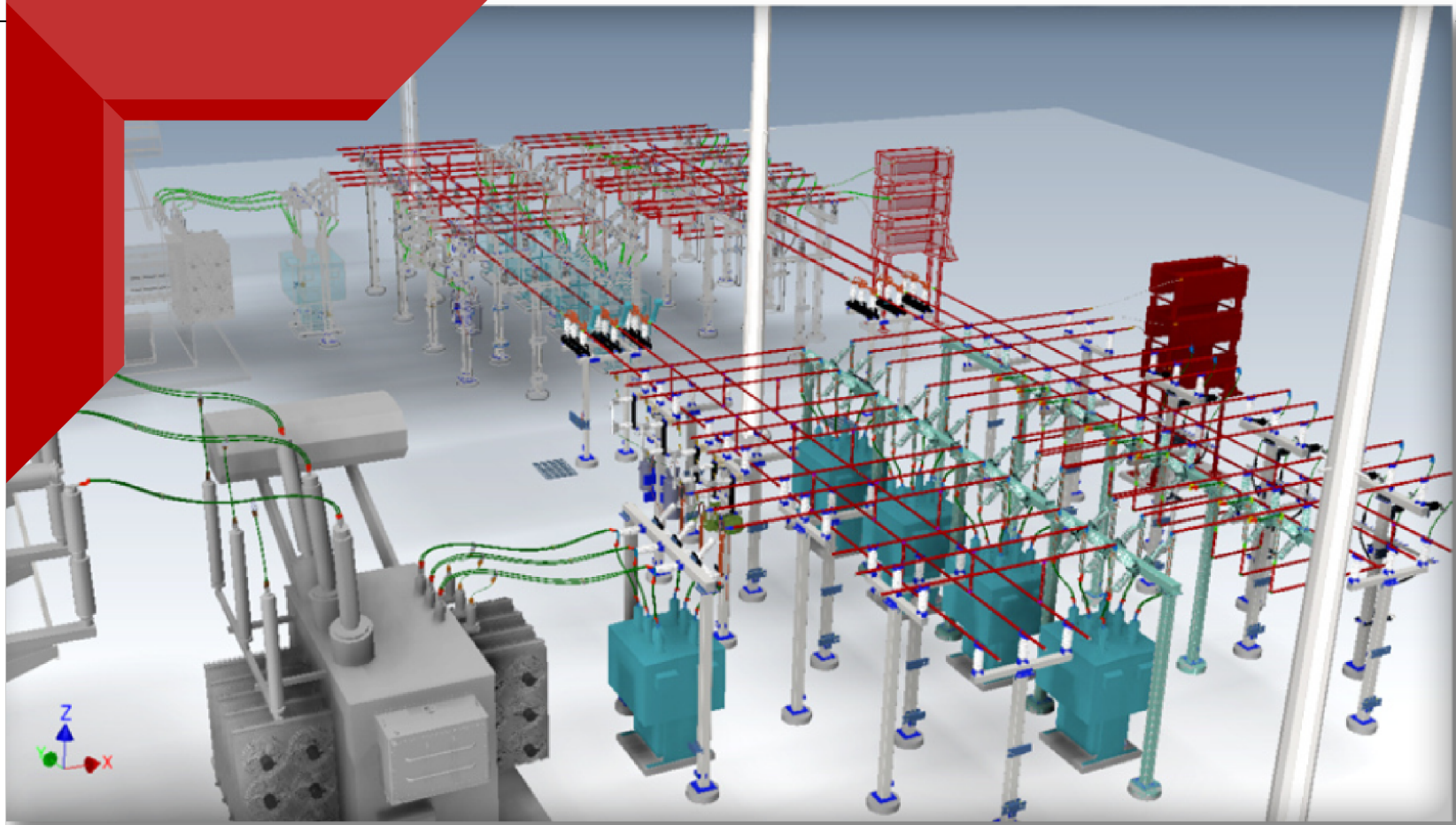
To emerge as world leader in engineering the future.

MISSION

To satisfy customers globally with highly effective engineering and on-time delivery.

OUR CORE VALUES

- ✓ Integrity
- ✓ Teamwork
- ✓ Quality of service
- ✓ Privacy of customer information



WHAT WE DO?

We, "Electrovolt Engineering Consultants", provide Pre-Bid Design, FEED, Detailed Engineering Design services for AIS & GIS Sub-stations up to 765kV voltage level, Process Industries, Oil & Gas, Power System Studies and Power Plants in the field of Electrical and Building projects.



Scope of Work

- ✓ Overall Single Line Diagram
- ✓ Protection SLD
- ✓ Equipment Layout
- ✓ Earthing design using Cymegrid software
- ✓ Lighting design using Dialux software
- ✓ Lightning protection system design
- ✓ LV Cable tray routing Layout
- ✓ Equipment Sizing calculations
- ✓ Equipment Vendor Drawing review
- ✓ Protection and control schematic review
- ✓ Equipment technical specification & Data sheet
- ✓ Vendor engineering activities
- ✓ BOM for complete Electrics
- ✓ Transient & Steady-state Studies using EMTP & PSCAD
- ✓ Power system studies using E-TAP
- ✓ Cable laying schedule of HV, LV power & control
- ✓ As-Built Documentation



SOME OF OUR MILESTONE PROJECTS COMPLETED

- 1** CPS 6 & 7 Upgrade - Lighting & Small Power system Design and its associated works II- for 4 nos. of Buildings
- 2** EPC services for emergency diesel generator and associated works at Barzan Offshore platforms
- 3** Engineering works due to Upgrade of Low voltage Protection system from QatarGas Company Ltd Clink I to Clink II at QGI North & South Plants
- 4** Insulation Co-ordination Study for Kigoma & Gisagara S/S - Rwanda Burundi Interconnection Project
- 5** Proposal Engineering for 220/33kV Pooling Sub-station at Noha Solar Park, Rajasthan
- 6** 33/0.66kV TRF Energization study for Thornog Wind Farm
- 7** Proposal Engineering works for Crude Oil Import Terminal (COIT) at Paradip, Odisha



SOME OF OUR MILESTONE PROJECTS COMPLETED

8

Insulation Co-ordination Study for 220/33kV Solar Power Plant, Jodhpur

9

Short Circuit Study for 7MW Solar Power Plant, Rajasthan

10

Complete Electrical Engineering design for 3Nos. of 132/11kV GIS Sub-stations, Qatar

11

Insulation Coordination Study for NTT-TANGEDCO 110V GIS Substation.

12

Unit Protection Setting calculation and Backup Protection relay Coordination for 275/33kV Limbang town Substation.

13

Engineering design works (Limited scope) for 132kV Switchyard for Apollo Tyres Limited.



SOFTWARE RESOURCES

✓ E-Tap 21.0.2

✓ AutoCAD 2022

✓ Dialux 4.13

✓ MS Office 2021

CLIENTELE

We are privileged to share our esteemed list of clients.





GET IN TOUCH WITH US



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