



### APPLICATIONS

- PSS are ideally suited for residential and commercial complexes as it can be placed on ground floor or basement or roof top of the high rise buildings
- Mainly used by Data Centers, Pharmaceuticals industries, Multiplex, Hotels, Hospitals, Shopping Malls, Software Parks, Airport and Residential complexes etc.

### VALUED CLIENTELE



## TRINITY CLEANTECH PVT LTD (FORMERLY KNOWN AS TRINITY TRANSFORMERS PVT. LTD)

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# PACKAGED SUB STATION

(PSS)



[www.trinitycleantech.com](http://www.trinitycleantech.com)



## ABOUT US

TRINITY has carved a niche of its own by being one of the youngest organizations to have embraced the AMDT (Amorphous Metal Core Distribution Transformer) manufacturing technology. TRINITY believes in deploying the latest State - of - Art Technology, processes and equipment to provide best quality products to its valued customers. Our Quality management system is accredited with ISO: 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 Certified Organization ensuring highest level of compliance to Quality that speaks of its outstanding reputation and credibility.

## PRODUCT PORTFOLIO

1. Distribution Transformers (CRGO & Amorphous)
2. Medium Voltage Distribution Transformers
3. Medium Voltage Power Transformers
4. PSS/USS/CSS - Indoor/Outdoor
5. Skid Mounted Sub Stations - Outdoor

## DESIGNS & DEVELOPMENT

We have exclusive design facility with highly experienced Design & Development team and Computerized Designing Systems. We use fully automated design software to get most optimum design.

## PACKAGED SUB-STATION

The Packaged Sub-station is a compact arrangement, which replaces conventional sub-station arrangement consisting of three compartments (i.e.) H.V. Compartment which houses Vacuum Circuit Breaker (VCB) or Load Break Switch (LBS), complete metering arrangement, the transformer compartment which houses oil cooled / dry type transformers & the LV components as per clients requirements.

Compartment which houses ACB, MCCB, SFU etc. as per client's requirement. All components for CSS/PSS are housed in an IP43 Class enclosure which protects the equipment against environmental hazards & unauthorized access. The electrical equipment is force cooled or naturally cooled through ventilation

## OPTIONAL FEATURES OF PSS

1. SCADA Compatible
2. Remote Operation through GSM/GPRS
3. Roof Solar Panels for Auxiliary and Emergency services along with battery
4. Tap changer (Off Circuit)
5. Transformer Health Management System
6. Automatic Power Factor Control
7. LT Distribution Board up to 12 Feeders
8. Security camera
9. Metering Facility
10. Compatibility with DG Set
11. Individual Door Operated LED for illumination
12. Intelligent door lock system
13. Automated heat exchange system

## ADVANTAGES

- Fully compartmentalized design
- Easy to install, operate & requires very less maintenance, cost effective & space efficient
- Reduced Electrical Losses as PSS can be installed near the load center
- A high degree of Safety & operational reliability is achieved by HT & LT switchgear with protective relays
- Reduction in logistic cost as the PSS is delivered as a single unit Tailored Configuration to meet customer requirement
- Aesthetically enhanced look and designed to suit the site topography, which gives pleasing appearance.
- Robust in construction, reliable in operation and can be mobilized as one unit
- Sufficient cooling of the integrated system is achieved by means of louvers

## Packaged Sub Station 11 KV

Characteristics	
Indoor/Outdoor	Yes
Specifications Available	Yes
Range	250 KVA to 2500 KVA (BIS Standard)
Enclosure Size	As per rating
Transformer Type	Dry/Oil
Mounting Arrangement	Pre Fabricated
Cable Connections	I/P - XLPE O/P - PVC
Protection	I/P - RMU O/P - ACB - APFC Panel Enclosure - IP43

