

Our service offerings

We offer professional transformer services with tailored solutions to ensure reliable operation and extended lifespan.





Installation and Commissioning

Our experienced engineers work closely with you to ensure that your project is completed on time and to the highest quality standards. We use the latest equipment and technology to test and commission your transformers, ensuring that they operate at peak performance for years to come.

- ✓ Pre installation Testing of Bushing, CT and Installation work of Transformer all accessories as per Drawing diagram.
- ✓ Dry air, Vacuum and oil processing activity as per standard and rating of Transformer
- ✓ Wiring work of protection equipment and the pre commissioning testing work of transformers as per the site requirements.
- ✓ Commissioning activity of Transformers at site and handover transformers to customers for operation. Also providing training to operators to proper use and maintenance of Transformer

Oil Filtration

Reliable oil filtration services for transformers of up to 400 kV voltage class to ensure optimal performance and longevity. Transformer oil is a critical component in the operation of transformers and requires periodic filtration to maintain its purity and performance.



- ✓ Advanced Filtration Technology
- ✓ On-site Services
- ✓ Testing and Analysis
- ✓ Preventive Maintenance



Annual Maintenance Contract

Comprehensive annual maintenance contracts for transformers to ensure continuous optimal performance. Our team of expert technicians and engineers specialize in transformer repair and refurbishment, providing services such as site visits and inspection, testing and commissioning, and post-repair activities.

- ✓ Regular Inspections
- ✓ Scheduled Maintenance
- ✓ 24/7 Emergency Service
- ✓ Compliance with Standards
- ✓ Expert Engineers

On Site Fault Troubleshooting

At Voltage Shift, we understand how important it is for our customers to have their transformers operating safely and efficiently. That's why we offer on-site troubleshooting services that are designed to quickly identify and resolve any transformer issues while minimising the impact on our customers' operations.



- ✓ Receive the customer's report of the fault and dispatch a team of experts to the site.
- ✓ Plan the diagnostic test based on the type of fault reported and the transformer's specifications.
- ✓ Identify the fault and determine the appropriate corrective measures to address the issue.
- ✓ Maintain detailed documentation and reporting of the on-site fault service provided.



Transformer Testing Service

At VoltageShift, we provide comprehensive testing services for transformers and switchgears at your site. Our team of experts is available round the clock, 24 hours a day, 7 days a week, making us the go-to choice for maintenance managers looking for reliable electrical testing

Transformer Electrical Testing:

- ✓ Voltage Ratio
- ✓ Magnetic Balance
- ✓ Magnetising Current
- ✓ Insulation Resistance
- ✓ Vector Group
- ✓ Winding Resistance
- ✓ Short Circuit
- ✓ Tan Delta and Capacitance
- ✓ Sweep Frequency Response Analysis (SFRA)
- ✓ CT Testing
- ✓ Noise Level Measurement test
- ✓ Vibration Level Measurement
- ✓ Frequency Domain Spectroscopy by DIRANA
- ✓ Partial Discharge Test (PD Test)

Transformer Oil Sample Testing:

- ✓ Interfacial Tension (IFT)
- ✓ Particle Count Testing
- ✓ Furan Analysis
- ✓ Breakdown Voltage (BDV)
- ✓ Dissolved Gas Analysis (DGA)
- ✓ Moisture Contain (PPM)
- ✓ Tan Delta
- ✓ Resistivity

Breaker Testing:

- ✓ Contact resistance testing
- ✓ Timing tests
- ✓ High voltage tests
- ✓ Insulation resistance tests
- ✓ Mechanical operation tests

Relay Testing:

- ✓ Function testing
- ✓ Timing tests
- ✓ CT and PT testing
- ✓ Insulation resistance tests



Repairing Service

Professional repair services for transformers rated up to 100 MVA. Our team of expert technicians and engineers specialize in transformer repair and refurbishment, providing services such as site visits and assessments, disassembly and inspection, testing and commissioning, and post-repair activities.

- ✓ Inspection and Assessment
- ✓ Diagnosis and Repair Plan
- ✓ Transformer Oil Analysis
- ✓ Disassembly and Repair
- ✓ Reassembly and Testing
- ✓ Final Testing and Commissioning
- ✓ Maintenance and Support

Turnkey projects

Comprehensive turnkey projects up to 400 kV class, including installation, testing, and commissioning. Voltage Shift is a leading service provider company that offers turnkey projects in the transformer and switchgear industry up to 400 kV class.



Our Projects



1. EPC Solutions for Solar Projects



2. EHV/HV Substation Projects

TRANSFORMERS

Your One-Stop Shop for Transformer Solutions



Power Transformer

2.5MVA To 50 MVA, Voltage Class upto 132 KV



Distribution Transformer

100 KVA To 2500 KVA, Voltage class upto 33 KV



Dry Type Transformer

Up to 05 MVA, Voltage class upto 33 KV



Furnace Transformer

Up to 15 MVA, Voltage class upto 33 KV



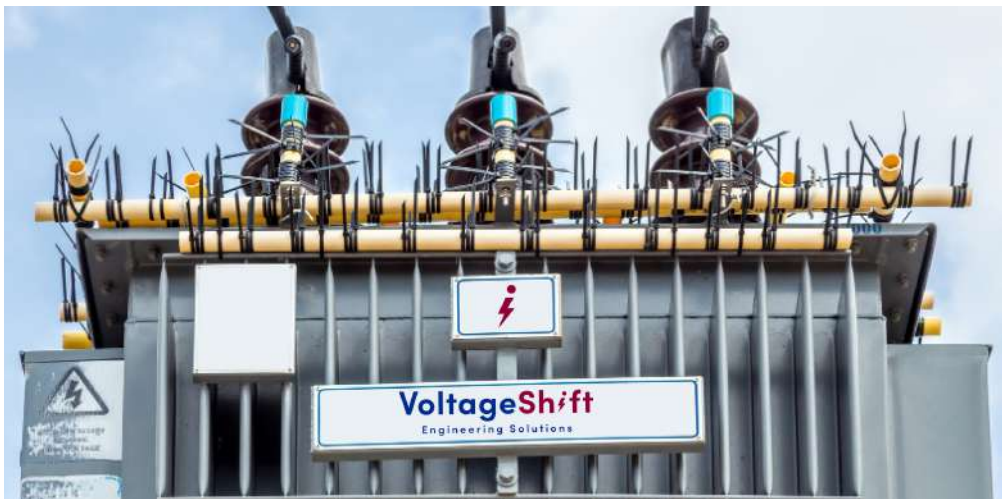
Solar Inverter Duty Transformer

Up to 15 MVA, Voltage Class upto 33 KV



Compact Secondary Substations (CSS)

100 KVA To 2500 KVA, Voltage class upto 33 KV



SPARE PARTS

Accessories for Power Transformer



Pressure Relief Valve



Buchholz Relay



Oil Level Indicator



Bushing & Accessories



Silica Gel Breather



Transformer Valve

MORE SPARE PARTS

- Pressure Relief Valve (PRV)
- Buchholz Relay
- Oil Level Indicator (MOG)
- Silica Gel Breather
- Aircell (flexi separator)
- Rapid Pressure Rise Relay
- Transformer Valve
- Transformer Oil
- RTCC Panel & Equipments
- Wheels (Roller)
- Bushing & Accessories
- Flow Indicators
- Oring & Gasket
- Current Transformer
- Cooling Fan
- Core (CRGO)
- Insulation Materials
- Radiators
- Tap changer
- Smart Breather
- Transformer Main Tank & Accessories

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- ✓ Installation, testing, and commissioning activity of all types of transformers, up to 500 MVA and 400 KV voltage class.
- ✓ Extensive testing services for switchyard equipment, transformers, and relays up to 400 KV class.
- ✓ Reliable oil filtration services for transformers of up to 400 kV voltage class to ensure optimal performance and longevity.
- ✓ Expert on-site fault troubleshooting services
- ✓ Efficient on-site overhauling services for transformers rated up to 100 MVA.
- ✓ Professional repairing services offered for transformers rated up to 100 MVA.
- ✓ Comprehensive turnkey projects up to 66 kV class, including installation, testing, and commissioning