



الإتحادية للمحولات والمفاتيح الكهربائية ش.م.م

FEDERAL TRANSFORMERS AND SWITCHGEARS LLC



مؤسسة الزبير | 50
The Zubair Corporation



Enhancing Power Distribution

About us

Federal Transformers and Switchgears LLC.(FTS) is an ISO 9001:2015; ISO 14001:2015 and OHSAS 18001:2007 certified Omani manufacturing company in Russayl Industrial Area, Muscat. We form part of The Zubair Corporation. The company has a strong expertise in engineering, design, development and manufacturing of high quality transformers catering to the vibrant sector of electric power distribution in Oman and across the region.

Its products are designed, manufactured & tested complying with national and international standards including IEC-60076/IEC-60076-11/IEC-62271/ANSI C57/BS-171. The plant has a dust free, climate-controlled atmosphere, employing state-of -the-art technology.

Transformer designs are developed using fully computerized techniques and (2D and 3D) drawings are prepared by Cad software. Extensive analysis by an iterative computer program is used to obtain designs which meet the relevant standards. FTS has carried out type tests on distribution transformers range at independent laboratories in Europe.

FTS now is manufacturing and supplying transformers to all Government sectors, utility companies & oil and Gas companies.



Our Vision

“To be an active player in the vibrant electric power sector of Oman and Gulf region by offering high quality electrical transformers and allied products for the power sector”

Product Range

- Distribution transformers upto 36 KV (Oil filled)
- Power transformers upto 36 KV (Oil filled)
- Dry type cast resin transformers upto 36 kV
- Prefabricated Package Substation (Transformer, Ring Main Unit & Feeder pillar)
- Natural and synthetic oil / Silicone / Esters / Biodegradable Oil Filled Transformers
- Special Transformers (Earthing, Booster, Scott connected, Furnace, Multi-Tap Transformers, Skid type portable Transformers, Traction Transformer, inverter duty Transformers etc.,)
- Transformers for solar & Wind projects
- Transformers parts & accessories

Sales & Service Support

- Erection & Commissioning
- Repair & Refurbishment of Power and distribution Transformers
- Oil filling under vacuum at site
- Oil Filtration and Testing: DGA, BDV, degree of polymerization, Moisture content
- Oil Passivation
- Refurbishment of Tap-changers
- Spares
- Site and commissioning Tests
- Life time Assessment and health checks of Transformers
- Annual Maintenance Contracts
- Upgrading of Transformers
- Routine and Type testing of Transformers in our facility

ISO Certificates



Product Approved Certificates

Inhouse Testing Capability

1. Measurement of Insulation Resistance
2. Measurement of Voltage Ration & Vector Group Check
3. Measurement of winding Resistance
4. Measurement of No Load Loss and Current
5. Measurement of Load Loss & Percentage Impedance
6. Induced Overvoltage Withstand Test
7. Separate Source Voltage Withstand Test
8. Breakdown Voltage test for Transformers oil as per IEC – 60296

Type / Special Tests as per IEC-60076

1. Temperature Rise Test
2. Noise Level Measurement Test
3. Measurement of Harmonics of the No Load Current
4. Measurement of Zero Sequence Impedance
5. Pressure Test of Tank
6. Test on Painting

Type Test Reports

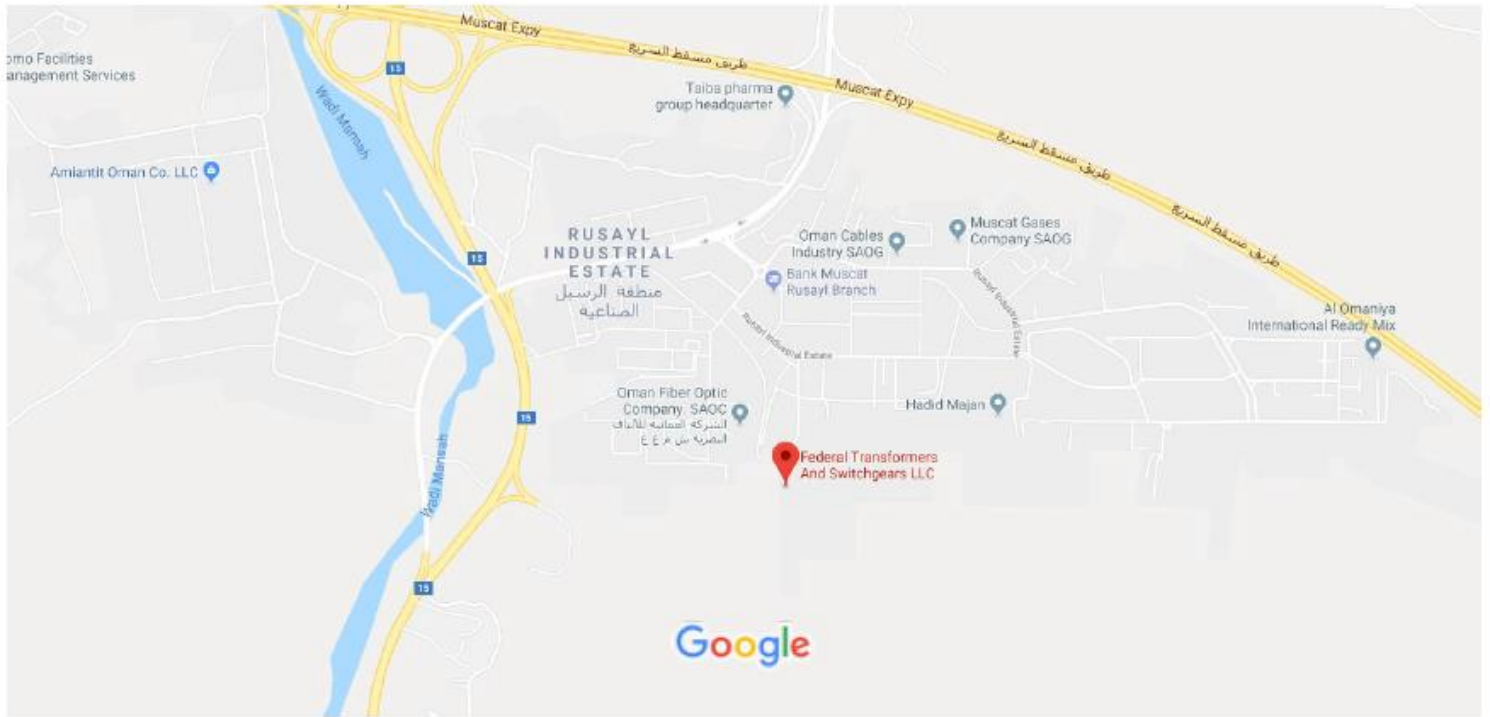
1. 1000 kVA, 11/0.433 kV ONAN Transformer, as per OES specifications.
2. 315 kVA, 11/0.433 kV ONAN Transformer, as per OES specifications.
3. Package Substation Internal Arc Test.



Products approved with

Our products have been approved by Distribution Code Review Panel (MJEC, MEDC, MZEC, DPC, RAECO), Royal Court Affairs, MOD, ROP & Kahramaa Qatar

Contact us



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