



ABOUT US

Empowering power sector with precision and innovation in manufacturing

Federal Transformers and Switchgears LLC (FTS) is a pioneering Omani enterprise dedicated to engineering excellence in the manufacturing of power and distribution transformers. Strategically situated in the Rusayl Industrial Area of Muscat, FTS is a proud subsidiary of the Federal Electric Group under The Zubair Corporation. Guided by an unwavering commitment to quality and sustainability, we hold prestigious ISO certifications—ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018—reflecting our focus on delivering products that are safe, reliable, and environmentally responsible.

Our Vision

Our vision is to deliver smart electrification solutions, including innovative products and services, to foster a sustainable society. By leveraging cutting-edge technology, we aim to empower individuals and businesses to thrive in an interconnected future.





CRAFTING SUPERIOR SOLUTIONS FOR THE GCC AND BEYOND

FTS stands at the forefront of the region's electric power distribution sector, catering to a diverse customer base across Oman and the GCC. We specialize in the engineering, design, and manufacturing of power and distribution transformers, all tailored to meet the growing complexity and demands of the energy industry.

Housed in a state-of-the-art, dust-free manufacturing facility, our production processes are powered by cutting-edge technology, rigorous quality standards, and a passion for innovation. From transformer blueprints created with advanced CAD software to type testing in world-renowned laboratories in Europe, every step reflects our dedication to precision and excellence.

WHY CHOOSE FEDERAL TRANSFORMERS?

1. Uncompromising Standards:

Our products meet the stringent requirements of international standards like IEC-60076, IEEE C57, and BS-171, ensuring unparalleled quality and performance.

2. Innovative Design:

Computerized techniques and iterative analysis guarantee optimal transformer designs.

4. Sustainability:

We use environmentally friendly materials, including biodegradable oils and dry-type resin transformers, minimizing ecological impact.

4. Quality in Focus:

All our process subjected to Quality control & Quality assurance, where all IMS requirements has been implemented in strict manner without any compromise.

Innovative Manufacturing Practices

1. Core Excellence:

Our transformer cores, made from high-permeability silicon steel, use CNC-controlled step-lap cutting for reduced no-load losses, lower noise levels, and improved efficiency.

2. High-Precision Windings:

Employing advanced machines, our HV and LV windings ensure uniform impulse distribution and resilience against surges.

3. Robust Tank Design:

Our tanks are corrosion-resistant, leak-proof, and finished with high-quality coatings, ensuring durability in the harshest environments.

4. Controlled Manufacturing:

From CNC-cut cores to advanced automated winding processes, every product is crafted with meticulous attention to detail.



Conservator Type Transformers

(GMT & PMT)

- 11kV class from 100 KVA to 4000KVA
- 33kV class From 100KVA to 20 MVA with OLTC
- All types with Mineral Oil
- Special Painting C5M/As Specified
- Biodegradeable Oil option is available as per request



Hermetically Sealed Transformers

- 11kV class from 100 KVA to 4000KVA
- 33kV class From 100kVA to 6000kVA
- All types with Mineral Oil
- Special Painting C5M/As Specified
- Biodegradeable Oil option is available as per request



Package __ Substations

- 11KV class up to 2000kVA With metal & GRP type enclosure
- 33KV class up to 6000kVA with metal type enclosure
- Our pre-assembled substations integrate transformers, Ring Main Units (RMUs), and feeder pillars to deliver a seamless, ready-to install solution.



Modern Type
Compact Substations

Key Features:

- 11KV class up to 1600kVA with metal type enclosure
- Latest international specification
- Decoration for aesthetics
- Plug & play solution
- Special enclosure with better ventilation
 & dust trapping louvers



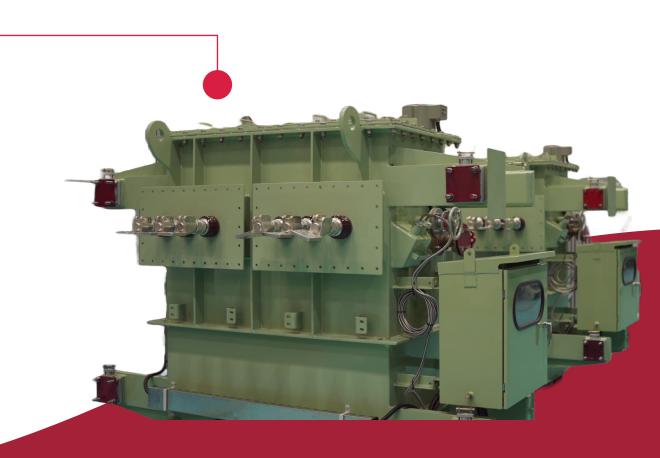
Netherlands, our sub-stations are a testament to our engineering process

Specialized Transformers

Key Features:

Custom-designed for application Such as

- Inverter Duty Transformers for Solar application
- Converter Duty Transformers for Well Head application 6P/12P/18P/24P
- Skid Mounted portable transformer for Oil & Gas



Dry-Type Cast Resin Transformers

- Up to 36KV
- Designed for High Efficiency
- Low Maintainance
- Superior Fire Safety



Our Services Portfolio

Power & Distribution Transformers Repairing & AMC

- On site repairs & Overhaulings
- Factory repairs & Overhaulings
- On site Condition assessment
- Annual Maintenance Contracts
- Accessories



Our Services Portfolio

Your Trusted Partner in Power Solutions

At FTS, we are committed to delivering exceptional customer service, premium-quality products, and cutting-edge solutions to meet the diverse needs of our clients. Our expertise spans the following services:

1. Annual Maintenance Contracts (AMC)

Advanced diagnostics to detect potential issues early and maximize transformer performance.

2. Condition Monitoring

Comprehensive support to ensure your transformers operate efficiently year-round.

3. Supervision of Erection, Testing & Commissioning

Expert oversight to guarantee seamless installation and startup of transformers.

4. Lifetime Assessment & Health Checks

In-depth evaluations to extend the life of your transformers and optimize reliability.

5. Oil Filtration & Filling

Specialised services to enhance transformer insulation and operational longevity.

6. Overhaul & Repair Services

Tailored solutions to restore your transformers to peak performance.

7. Partial Discharge Analysis

State-of-the-art testing to identify insulation weaknesses and prevent failures.

8. Rewinding & Reengineering

Custom transformer modifications designed to meet evolving operational demands.

9. High-Quality Transformer Spares

A wide range of spare parts to support the seamless functioning of your equipment.

Let Federal Transformers Oman power your business with reliable, innovative, and efficient transformer solutions

Raising the Bar in Testing & Quality Assurance

FTS operates a state-of-the-art testing lab equipped to perform a comprehensive range of routine and type tests, including:

Routine Tests:

- · Measurement of Insulation Resistance.
- Measurement of Voltage Ratio & Vector
 Group Check.
- Measurement of Winding Resistance.
- Measurement of No Load Loss and Current.
- Induced Overvoltage With stand Test.
- Seperate Source Voltage With stand Test.
- Breakdown Voltage test for Transforemers
 Oil as per IEC-60296.

Type Tests:

Various type tests as per customer requirements.



Industry Approvals & Certifications

FTS is a trusted partner to prestigious organizations, holding approvals from:



- NAMA Electricity Distribution Company (NEDC)
- NAMA Dhofar Services Company (NDS)
- Distribution Code Review Panel (DCRP)
- KAHRAMAA (QATAR)
- Petroleum Development Oman (PDO)
- OQ Group
- Many More Oil & Gas and Industrial Clients











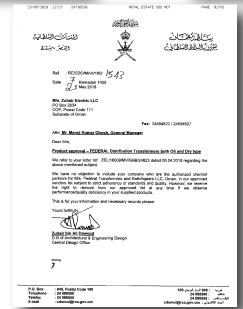


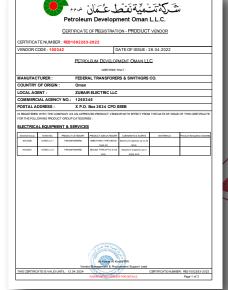
Certifications



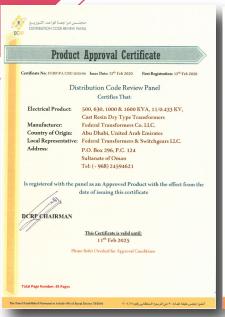




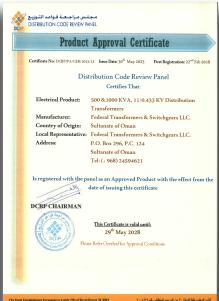




Certifications















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Contact Us

Discover how **Federal Transformers and Switchgears LLC** can power your business forward.

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