



FEDERAL ELECTRIC

SMART ELECTRIFICATION & AUTOMATION

FEDERAL TRANSFORMERS & SWITCHGEARS L.L.C



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?**

- **Uncompromising Standards:**

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

- **Innovative Design:**

Computerized techniques and iterative analysis guarantee optimal transformer designs.

- **Sustainability:**

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

- **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

- **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.

- **High-Precision Windings:**

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

- **Robust Tank Design:**

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

- **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)

Key Features:

- 11KV class from 100 KVA to 4000KVA
- 33KV class From 100KVA to 2000KVA
- All types with Mineral Oil
- Special Painting C5M/As Specified
- Biodegradable Oil option is available as per request



Hermetically Sealed Transformers

Key Features:

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



Package Substations

Key Features:

- 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



Successfully tested for arc resistance at KEMA, 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 (IDT/ K-Rated Transformers)
- Converter Duty Transformers for Well Head application 6P/12P/18P/24P (VSD/VFD)
- Skid Mounted portable transformer for Oil & Gas and Data Mining application



Dry-Type Cast Resin Transformers

Key Features:

- 11KV class/33KV class up to 4000KVA rating
- Designed for High Efficiency
- Low Maintenance
- Superior Fire Safety



Power Transformers

Key Features:

- 33/11.5kV up to 20MVA with RTCC, AVR & OLTC
- 33/11.5kV up to 6MVA with Rotary Type OCTC
- All with Top mounted bushings/ with cable boxes as per customer specifications
- All Type Tested as per IEC & OES Standards
- Special Painting C5M/ As specified
- All with Mineral Oil, Biodegradable Oil (Natural/Synthetic Esters) option as per customer preference



Our **Services Portfolio**

Power & Distribution Transformers Repairing & AMC

Key Features:

- 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:

- **Annual Maintenance Contracts (AMC)**

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

- **Condition Monitoring**

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

- **Supervision of Erection, Testing & Commissioning**

Expert oversight to guarantee seamless installation and startup of transformers.

- **Lifetime Assessment & Health Checks**

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

- **Oil Filtration & Filling**

Specialised services to enhance transformer insulation and operational longevity.

- **Overhaul & Repair Services**

Tailored solutions to restore your transformers to peak performance.

- **Rewinding & Re-engineering**

Custom transformer modifications designed to meet evolving operational demands.

- **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.
- Separate Source Voltage With stand Test.
- Breakdown Voltage test for Transformers Oil as per IEC-60296.

Type Tests:

Various type tests as per customer requirements.



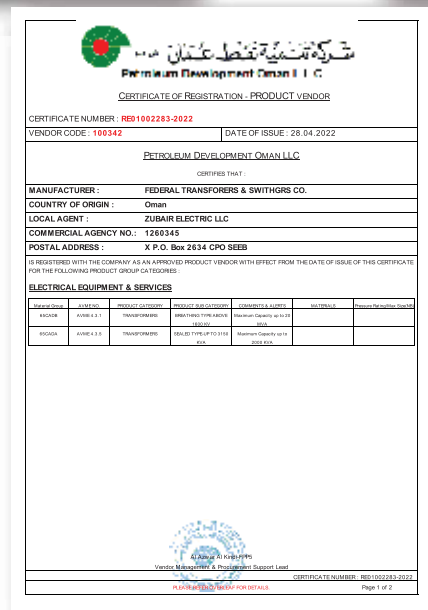
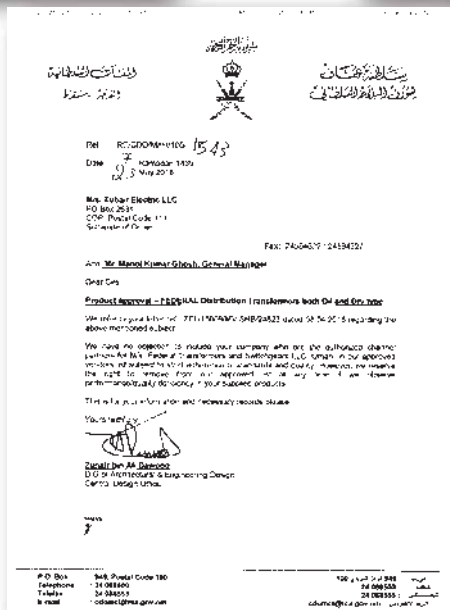
Industry Approvals & Certifications

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)
- Ministry of Defence Engineering Services (MODES)
- KAHRAMAA (QATAR)
- Petroleum Development Oman (PDO)
- OQ Group
- Occidental Oman Inc
- Many More Oil & Gas and Industrial Clients



Certifications



Certifications

Product Approval Certificate

Certificate No: DCRP/PA/CR/2022/76 Issue Date: 07 Feb 2022 Item Registration: 07 Feb 2022

Distribution Code Review Panel
Certifies That:

Electrical Product: 500 & 1000 & 1600 KVA, 11 0.433 KV, Cast Resin Dry Type Transformers
Manufacturer: Federal Transformers & Switchgears L.L.C.
Country of Origin: Abu Dhabi, United Arab Emirates
Local Representative: Federal Transformers & Switchgears L.L.C.
Address: P.O. Box 296, P.C. 124 Sultanate of Oman
Tel (+968) 24594621

Is registered with the panel as an Approved Product with the effect from the date of issuing this certificate

DCRP CHAIRMAN

Please Refer to the Approval Conditions

Total Page Number: 01 Page

Product Approval Certificate

Certificate No: DCRP/PA/CR/2022/77 Issue Date: 07 Feb 2022 Item Registration: 07 Feb 2022

Distribution Code Review Panel
Certifies That:

Electrical Product: 100,200, & 315KVA, 11 0.433 KV Oil Type Distribution Transformers
Manufacturer: Federal Transformers & Switchgears L.L.C.
Country of Origin: Sultanate of Oman
Local Representative: Federal Transformers & Switchgears L.L.C.
Address: P.O. Box 296, P.C. 124 Sultanate of Oman
Tel (+968) 24594621

Is registered with the panel as an Approved Product with the effect from the date of issuing this certificate

DCRP CHAIRMAN

Please Refer to the Approval Conditions

Product Approval Certificate

Certificate No: DCRP/PA/CR/2022/78 Issue Date: 07 Feb 2022 Item Registration: 07 Feb 2022

Distribution Code Review Panel
Certifies That:

Electrical Product: 500 & 1000 KVA, 11 0.433 KV Distribution Transformers
Manufacturer: Federal Transformers & Switchgears L.L.C.
Country of Origin: Sultanate of Oman
Local Representative: Federal Transformers & Switchgears L.L.C.
Address: P.O. Box 296, P.C. 124 Sultanate of Oman
Tel (+968) 24594621

Is registered with the panel as an Approved Product with the effect from the date of issuing this certificate

DCRP CHAIRMAN

Please Refer to the Approval Conditions

Product Approval Certificate

Certificate No: DCRP/PA/CR/2022/79 Issue Date: 07 Feb 2022 Item Registration: 07 Feb 2022

Distribution Code Review Panel
Certifies That:

Electrical Product: 2000 KVA, 11 0.433 KV Oil Immersed Distribution Transformers
Manufacturer: Federal Transformers & Switchgears L.L.C.
Country of Origin: Sultanate of Oman
Local Representative: Federal Transformers & Switchgears L.L.C.
Address: P.O. Box 296, P.C. 124 Sultanate of Oman
Tel (+968) 24594621

Is registered with the panel as an Approved Product with the effect from the date of issuing this certificate

DCRP CHAIRMAN

Please Refer to the Approval Conditions

Product Approval Certificate

Certificate No: DCRP/PA/CR/2022/80 Issue Date: 07 Feb 2022 Item Registration: 07 Feb 2022

Distribution Code Review Panel
Certifies That:

Electrical Product: 20MVA, 33 & 35 KV Oil Immersed Power Transformers
Manufacturer: Federal Transformers & Switchgears L.L.C.
Country of Origin: Sultanate of Oman
Local Representative: Federal Transformers & Switchgears L.L.C.
Address: P.O. Box 296, P.C. 124 Sultanate of Oman
Tel (+968) 24594621

Is registered with the panel as an Approved Product with the effect from the date of issuing this certificate

DCRP CHAIRMAN

Please Refer to the Approval Conditions

Product Approval Certificate

Certificate No: DCRP/PA/CR/2022/81 Issue Date: 07 Feb 2022 Item Registration: 07 Feb 2022

Distribution Code Review Panel
Certifies That:

Electrical Product: 400 A, 6 Ways Mini Feeder Pillar (CBP Feeders)
Manufacturer: Premier Switchgears L.L.C.
Country of Origin: Sultanate of Oman
Local Representative: Premier Switchgears L.L.C.
Address: P.O. Box: 849, P.C. 211, Salalah, Sultanate of Oman
Tel (+968) 24884137

Is registered with the panel as an Approved Product with the effect from the date of issuing this certificate

DCRP CHAIRMAN

Please Refer to the Approval Conditions

Sultanate of Oman
Ministry of Defence
Engineering Services

شهادة اعتماد منتج
Product Approval Certificate

Document No.: MOD/ES/73/2022

THE FOLLOWING PRODUCT: Distribution Transformers -11KV (100,200 & 315 KVA) (500,1000,2000 KVA)

MANUFACTURED BY: Federal Transformers & Switchgears L.L.C. - Made in Oman

TRADED BY (LOCAL AGENT): Federal Transformers & Switchgears L.L.C., Sultanate of Oman

هذا المنتج هو: محولات التوزيع والمقويات الكهربائية، 11KV، (100,200 و 315 KVA) (500,1000,2000 KVA) مصنوعة في سلطنة عمان

تم تقييمه واعتماده للاستخدام من قبل الخدمات الهندسية بوزارة الدفاع

HAS BEEN EVALUATED AND APPROVED TO BE USED IN MINISTRY OF DEFENCE ENGINEERING SERVICES (MOD/ES)

تم تقييمه واعتماده للاستخدام من قبل الخدمات الهندسية بوزارة الدفاع

THE CERTIFICATE IS VALID FOR THREE (3) YEARS from the date of issue. It will null and void if any discrepancy is found at any stage in the national inventory and constituent components declared by the manufacturer or failure of supplier to provide MOD/ES with the required technical support or other sales services as agreed.

هذا الشهادة صالحة لمدة ثلاث سنوات من تاريخ إصدارها. وسوف تصبح باطالة إذا تم اكتشاف أي خطأ في أي مرحلة من المراحل في المخزون الوطني أو إذا فشل المورد في تقديم الدعم الفني المطلوب أو الخدمات الأخرى كالموافق في العقد المبرم مع وزارة الدفاع.

Dr. Youssef Al-Hadi
Products Approval Committee Chairman

د. يوسف الحادي
رئيس لجنة اعتماد المنتجات



Contact Us

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



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