

COMPANY PROFILE 2026



FAFCON

A specialized company in electrical substation solutions, maintenance, and testing.

Operating within the FAF Group ecosystem.



WHO WE ARE

FAFCON is a Saudi engineering company specialized in electrical substations and medium- and high-voltage systems. We operate as a technical and execution partner for power network operators, major contracting companies, and electrical equipment manufacturers.

Since its inception, FAFCON has focused exclusively on the power sector as a specialized domain, directing its expertise toward substation works in all components — from installation, testing, and commissioning to advanced maintenance, diagnostics, and rehabilitation.

We operate in accordance with the highest technical standards approved by transmission and distribution network operators and participate in strategic projects within high- and medium-voltage substations, with strict adherence to safety, quality, and technical documentation standards.



OUR EVOLUTION: FROM ESTABLISHMENT TO 2026



A JOURNEY SINCE 1973

More than five decades of institutional growth and development.

FAFCON did not emerge in isolation; it is an extension of an institutional journey that began in 1973 in the Kingdom of Saudi Arabia, driven by a clear vision that aimed beyond profit — toward building real value and serving the community.

1973 – THE BEGINNING

Launch of the first commercial activity and establishment of Al-Fadli Trading Establishment, specializing in importing and distributing medical equipment, contributing to the development of the Kingdom's healthcare sector during a critical period of knowledge and technology transfer.

1979 – GLOBAL PARTNERSHIPS

Expansion of international relationships to transfer the latest global technologies into the Saudi market, establishing a corporate culture rooted in quality and international standards.

2008 – TECHNOLOGICAL TRANSFORMATION

Establishment of UTECH for interactive technologies and mobile solutions, reflecting foresight in digital transformation and technological advancement.



2010 – INSTITUTIONAL TRANSFORMATION & LAUNCH OF FAFCON

Transition from an establishment to an integrated commercial entity through the formation of Fouad Abduljalil Al-Fadli & Partner Trading Company, creating a more advanced administrative and organizational structure.

FAFCON was established as the group's executive arm specialized in utilities and infrastructure projects, integrating civil, electrical, and mechanical works in accordance with the highest safety and quality standards to meet the requirements of electricity network operators in the Kingdom.

Since then, FAFCON gradually focused on the power sector and energy substations, becoming a specialized company in substation works, maintenance, testing, and commissioning.

2012–2013 – DIVERSIFICATION OF EXPERTISE

Addition of new activities across various sectors within the group, enhancing institutional integration and expanding technical and administrative capabilities.





2021 – SMART ENERGY SOLUTIONS

Launch of smart systems and renewable energy solutions, supporting energy sector transformation and sustainability trends.

2025 – FAFCON'S NEW VISION

Strategic alliance with a utilities services team possessing proven experience in Saudi Electricity Company and transmission projects, repositioning FAFCON as a fully specialized substation services company.

2026 – EXPANSION IN CRITICAL ENERGY SOLUTIONS

Expansion of partnerships in critical power and data center sectors, strengthening the group's capability to deliver advanced solutions to vital industries.



VISION, MISSION & VALUES

VISION

To be the leading engineering partner in maintenance, testing, and commissioning of electrical substations, contributing effectively to enhancing the reliability of the Kingdom's power networks.

MISSION

To provide integrated services in maintenance, testing, commissioning, and installation of substation equipment in accordance with the highest safety and quality standards, adopting a methodology based on measurement, analysis, and precise documentation to ensure asset readiness and minimize failures.



VALUES

● **Safety & Professional Discipline**

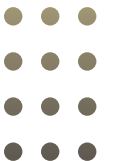
● **Technical Excellence & Precision**

● **Reliability & Asset Performance Enhancement**

● **Transparency in Reporting & Results**

● **Continuous Development**

● **Long-Term Client Partnerships**



GEOGRAPHICAL PRESENCE

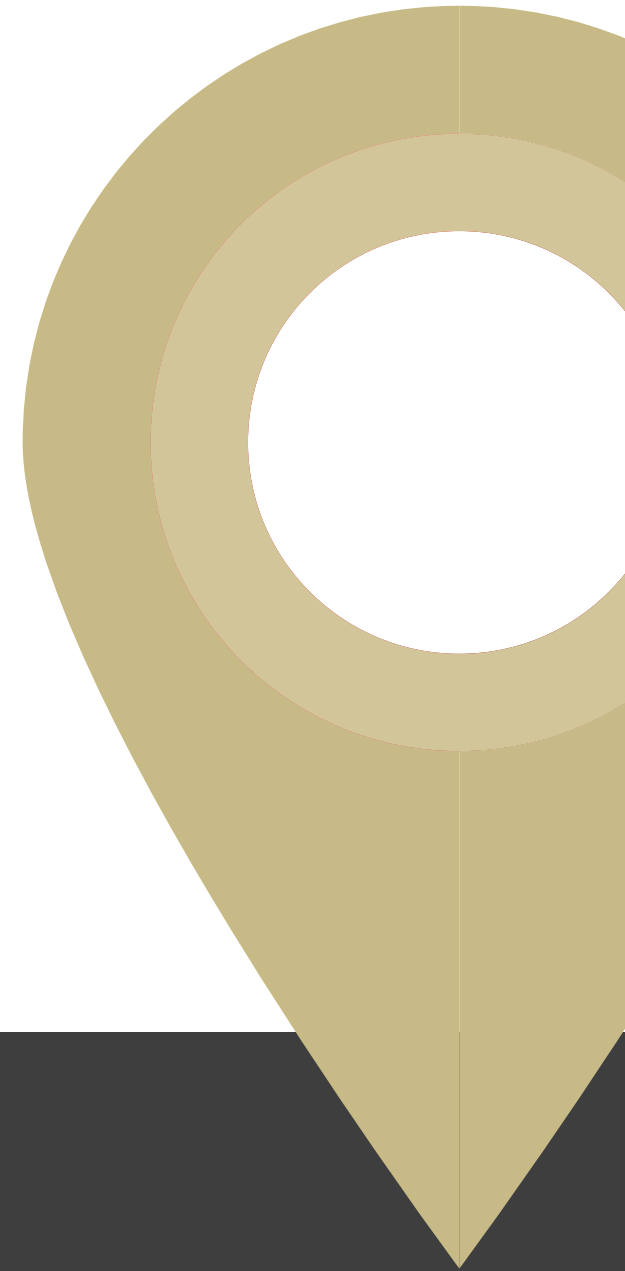
OPERATIONAL COVERAGE

WITHIN SAUDI ARABIA:

Riyadh (Head Office), Dammam, Qassim, Madinah, Khamis Mushait, Jeddah

OUTSIDE SAUDI ARABIA:

Egypt – United Arab Emirates



OUR POSITION IN THE ENERGY SECTOR



FAFCON SPECIALIZES IN:

- Maintenance of electrical substations of all types
- Testing and commissioning of MV/HV equipment
- Transformer maintenance and testing
- Generator maintenance and testing
- Partial discharge (PD) and advanced diagnostics services
- Maintenance and performance enhancement of transformers, GIS & SWGR systems
- SF6 gas management and handling according to international standards
- Field technical support for transmission and distribution substations

We focus on improving asset reliability, reducing emergency failures, and enhancing operational readiness through specialized engineering teams equipped with advanced testing and diagnostic equipment.

OUR SPECIALIZATION IN ELECTRICAL SUBSTATIONS

FAFCON primarily focuses on power transmission and distribution substations, working alongside network operators, major contractors, and OEM manufacturers to execute maintenance, testing, commissioning, and installation in sensitive operational environments requiring high precision and specialized expertise.





**WE COVER MV / HV / EHV VOLTAGE
LEVELS AND HANDLE ALL
SUBSTATION COMPONENTS
INCLUDING:**

GIS Systems

AIS Systems

Power Transformers

Generators & Motors

**Medium Voltage
Switchgear**

**Protection &
Control Systems**

**Power Cables
& Accessories**

**DC Systems
& Batteries**

1. SPECIALIZED MAINTENANCE SERVICES

Comprehensive maintenance solutions aimed at enhancing asset readiness and minimizing unplanned outages:



GIS MAINTENANCE

- Complete gas chamber inspection
- Insulation and gas pressure testing
- Leak treatment
- Circuit breaker servicing

MV/HV SWITCHGEAR MAINTENANCE

- Air & gas breaker servicing
- Contact resistance testing
- Protection system calibration
- Retrofit of old panels



POWER TRANSFORMER MAINTENANCE

- Periodic testing and advanced diagnostics
- Cooling system inspection
- OLTC maintenance
- Insulation problem treatment





AC/DC & BATTERY SYSTEMS

- Capacity and impedance testing
- Charging system inspection
- Ground fault detection
- Battery replacement & rehabilitation



TRANSFORMER OIL FILTRATION & DEHYDRATION

- Insulation enhancement
- Lifetime extension

SF6 GAS MANAGEMENT

- Gas analysis
- Filling & evacuation
- Leak detection
- Recycling per environmental standards



GENERATORS & MOTORS

- Testing services
- Maintenance services



2. TESTING & COMMISSIONING SERVICES

Testing and commissioning for new or maintained equipment according to approved procedures:

- GIS & AIS Testing & Commissioning
- Power & Autotransformer Testing
- MV/HV Switchgear Testing
- MV/HV Power Cables & Accessories Testing
- HV Bushings Testing
- Rotating Machines Testing

PARTIAL DISCHARGE (PD) SERVICES

- Substation PD testing
- Cable PD testing
- Transformer PD testing
- Online & offline PD analysis
- Risk-level analytical reports and corrective recommendations



3. ELECTRICAL SUBSTATION INSTALLATION SERVICES

We execute installation works in accordance with precise standards to ensure operational readiness, including:



- Installation of all substation electrical equipment
- GIS installation
- MV panel installation
- Transformer installation
- Cable systems & terminations
- System integration and interconnection works

4. EQUIPMENT & SPECIALIZED RENTAL SERVICES

FAFCON provides specialized equipment to support electrical substation projects, including:

SF6 EQUIPMENT

- SF6 Gas Handling Machine (DILO)
- SF6 Service Accessories
- SF6 Gas Analyzer
- GIS Vacuum Machines



TRANSFORMER EQUIPMENT

- GIS Vacuum Machines
- Transformer Vacuum Machines
- Transformer Dry Air Generators
- Oil Filtration Machines



TESTING EQUIPMENT

- Testing equipment for MV/HV substations

Rental services include field technical support when required.



ELECTRICAL SUBSTATION PROJECT EXPERIENCE



FAFCON takes pride in its cooperation with leading entities in the electricity, energy, industrial, and infrastructure sectors within Saudi Arabia.

Our diverse client base reflects confidence in our engineering and execution capabilities and our commitment to quality, safety, and reliability

Our client portfolio includes national entities, global companies, and major industrial institutions, among the most prominent of which are:



CONCLUSION

OUR MESSAGE TO OUR CLIENTS

At FAFCON, we are committed to being your trusted technical partner in substation and power projects through precise execution, strict safety standards, and clear technical reporting that supports your operational decisions.

Our extended experience and deep specialization in medium- and high-voltage systems enable us to deliver solutions that enhance asset reliability and ensure operational continuity at the highest efficiency.

***Your trust is our responsibility — and commitment
is the foundation of our work***

