

ElectroCore Arabia Company



Specialized Power System Engineering, Testing, Maintenance, Condition assessment & Asset Reliability Solutions



أرامكو السعودية
saudi aramco



Company Overview & Registration

Commercial Registration (CR): 2050202848

VAT Number: 312732185900003

Aramco Vendor ID: 10116508

SEC Vendor ID: 2016204

ISO Certifications: 9001:2015 | 14001:2015 | 45001:2018

EASA Member: 2025 - 2026

Head Office:

Dahan Trading Center, Al Sinaiyah District, Dammam 32443

24/7 Emergency / WhatsApp:

+966 54 740 9192 | +966 54 552 8915

Email:

technical@electrocorearabia.com | operation@electrocorearabia.com

100 +
Completed Projects

40 +
Skilled Craft

10 +
Teams with Resources

0
LTI Safety Record



Saudi Arabia Based



Utility Focused



ISO Certified (9001 | 14001 | 45001)



24/7 Support & Emergency Response

Vision & Mission Statement

Our Vision

To be recognized as a leading electrical services partner in Saudi Arabia, delivering world-class maintenance and testing solutions with a strong commitment to quality, safety, and long-term reliability. We aim to set the benchmark for specialized electrical services across the Kingdom's power infrastructure.

Our Mission

To provide specialized, value-driven electrical services that improve system reliability, optimize asset lifecycle, & ensure safe operations, while supporting the Kingdom's energy sector transformation in-line with Vision 2030 & global standards. We are committed to delivering excellence through technical expertise and innovation.



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24/7 Support & Emergency Response

Core Expertise and Services

Transformers

Installation, Testing, Maintenance, OLTC, Oil Processing



MV/HV Cables

Cable laying, testing, fault localization, splicing/termination



Switchgear & GIS

Testing, Maintenance, SF6 Services, inspections



Protection & Control

Testing • Schematic check • Logic Verification



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24/7 Support & Emergency Response

Power Transformer Services

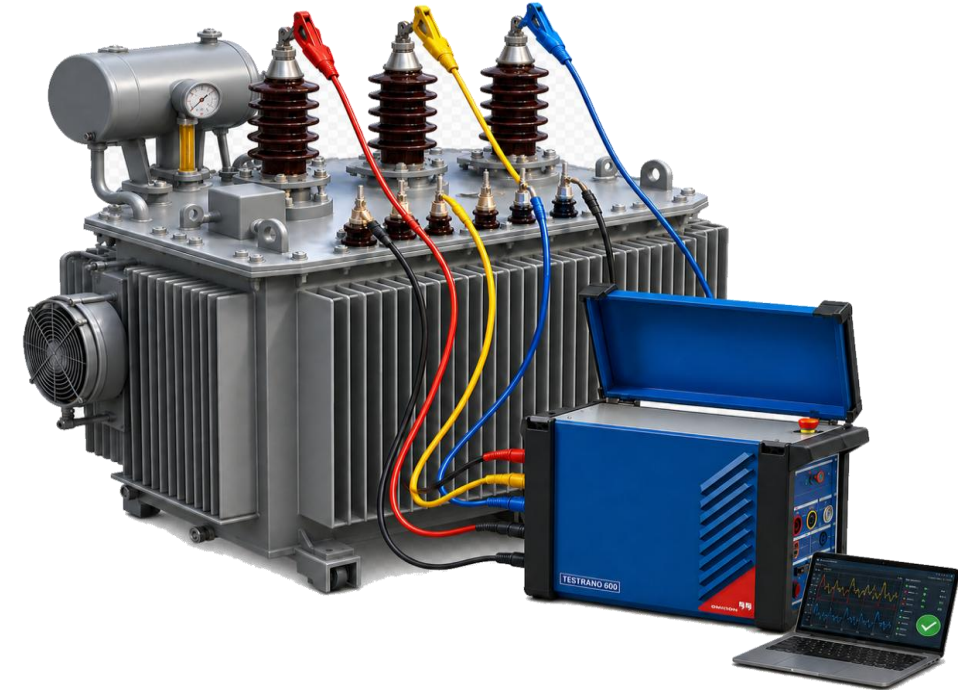
Installation & Assembly

- Transformer erection and positioning
- Bushing and accessory installation
- Radiator and conservator assembly
- Internal connection and alignment checks
- Vacuum preparation and oil filling



Complete Testing & Commissioning

- Complete testing as per Aramco/ SE standards
- IR, TD, WR, TTR, SCI, SFRA, DFRA, EC,
- Advanced diagnostic partial discharge testing
- Protection and functional verification
- Final commissioning and energization support



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24/7 Support & Emergency Response

Power Transformer Services

Oil Processing

- Complete Oil Diagnostics & Processing Capability
- DGA and oil quality assessment
- High-vacuum filtration, dehydration & degassing
- Oil reclamation / regeneration
- Vacuum filling, circulation and oil handling



Oil Leak Repair

- Leak source identification and assessment
- Gasket and O-ring replacement
- OLTC, bushings, cooling systems, Top cover
- Pressure / vacuum leakage testing
- Final inspection and leak verification



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24/7 Support & Emergency Response

Power Transformer Services

OLTC inspections

- Diverter switch inspection
- Contact condition and wear assessment
- Drive mechanism inspection and adjustment
- Cleaning and lubrication
- Functional and timing verification



Preventive / Corrective Maintenance

- Routine inspection and condition assessment
- Cleaning, tightening and servicing
- Bushing and cooling system maintenance
- Defect identification and rectification
- Post-maintenance testing and verification



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24/7 Support & Emergency Response

Power Systems Asset Services

Switchgear, GIS & Circuit Breakers

- Inspection and condition assessment
- Preventive and corrective maintenance
- Breaker timing and contact resistance testing
- SF6 gas handling and leakage checks
- Functional, interlock and commissioning tests

Protection & Control

- Relay testing and calibration
- Primary and secondary injection testing
- Protection logic and trip verification
- Interlock and control circuit checks
- SCADA / DCS interface testing



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24/7 Support & Emergency Response

Power Systems Asset Services

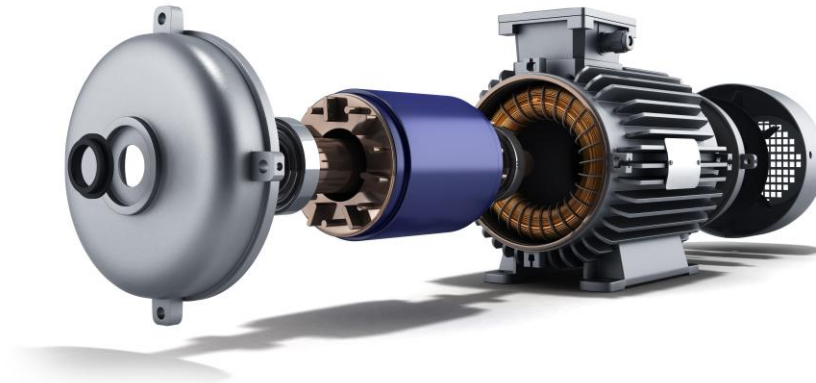
MV/HV Cables

- Cable laying and installation
- Complete testing and diagnostics
- Condition assessment
- Fault location and route tracing
- Jointing, termination and repair support



Generators & Motors

- Inspection and condition assessment
- IR, PI and winding resistance testing
- Tan Delta and insulation diagnostics
- Vibration and bearing condition checks
- Functional testing and commissioning support



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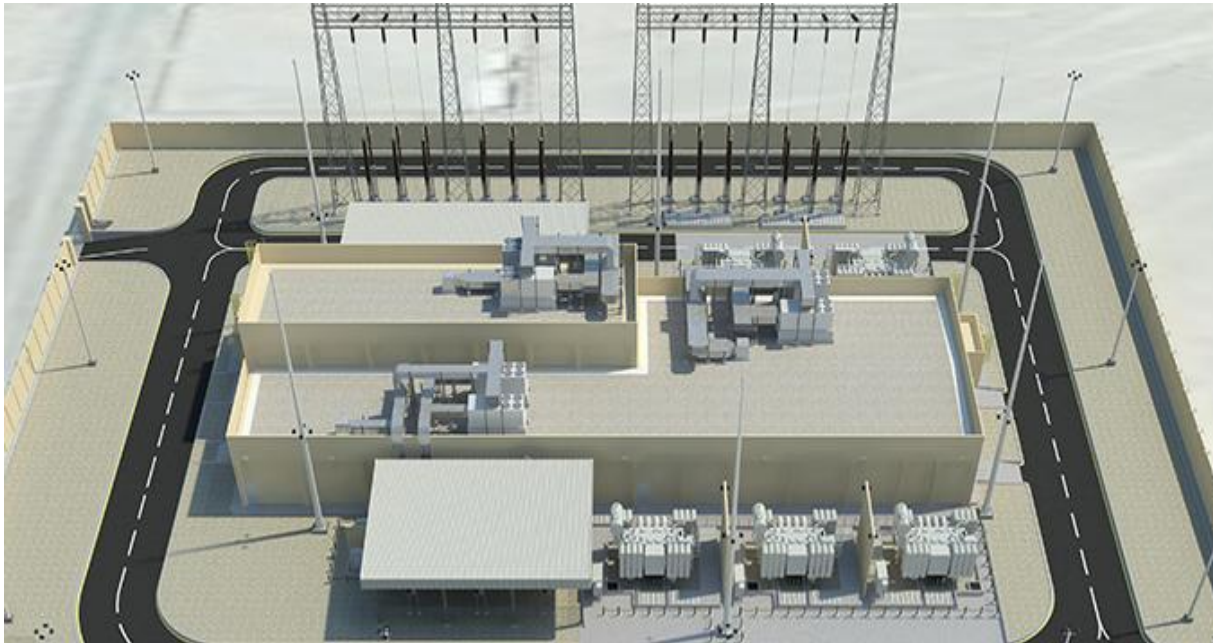


24/7 Support & Emergency Response

380/132 kV Substation Services

Procurement, Installation & Commissioning

- Supply and installation of HV/MV equipment
- Transformer, GIS/AIS and switchgear installation
- Protection, control and auxiliary system integration
- Pre-commissioning and functional testing
- Energization and commissioning support



Asset Reliability & Engineering

- Substation condition assessment & health evaluation
- Failure investigation and Root Cause Analysis
- Diagnostic testing and performance trending
- Maintenance strategy and lifecycle optimization
- Engineering studies and technical recommendations



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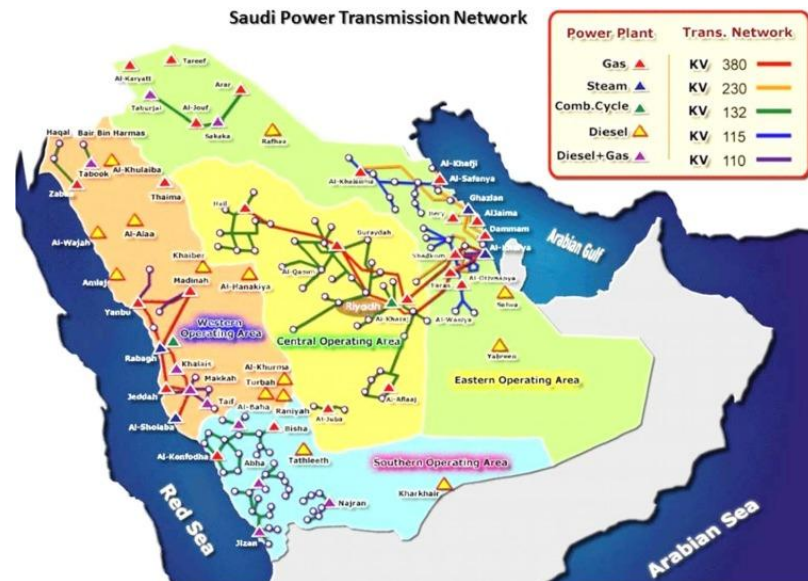
Resources and Capabilities

Field Execution Capability

- 10+ fully equipped field teams
- Specialized transformer & substation resources
- Testing, maintenance & commissioning support
- Rapid mobilization across Saudi Arabia
- 24/7 emergency response capability

Qualified Technical Team

- Electrical & testing engineers
- Transformer and switchgear specialists
- Protection & commissioning engineers
- Experienced technicians & oil processing crew
- SCE-certified and HSE-trained personnel



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24/7 Support & Emergency Response

Resources and Capabilities

Major Testing & Diagnostic Equipment

- Megger TRAX 219
- Megger MIT 515
- Megger TRAX + TDX
- Megger FRAX 101
- Megger IDAX-300 – (DFRA)
- OMICRON MPD 800
- OMICRON CPC 100
- FLIR Thermal Camera
- Megger BDV Test Kit



Oil Processing & Handling Units

- 5 × 6,000 L/hr High-Vacuum Oil Filtration Units
- 4 × 3,000 L/hr High-Vacuum Oil Filtration Units
- 5 x 30 KL Oil Storage Tank
- 3 x 10 KL Oil Storage Tank
- 4 x 5 KL Oil Storage Tank
- High-Vacuum Pumps & Oil Handling Systems
- Oil Transfer, Circulation & Filling Accessories



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24/7 Support & Emergency Response

QA/QC & Technical Compliance

Quality Assurance Practices

- Pre-job planning, technical review & risk assessment
- Approved Method Statements, ITPs & work procedures
- QA/QC inspection and verification at every phase
- Complete test reports, checklists & data recording
- NCR, CAPA and project quality documentation
- Equipment calibration and traceability management
- Competency-based training & personnel qualification

Standards & Compliance

- IEC, IEEE, NETA & applicable international standards
- SEC specifications, procedures & technical requirements
- Saudi Aramco Engineering Standards & Procedures
- OEM manuals, instructions & recommended practices
- Client-approved project specifications and procedures



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HSE Management Practices

- Pre-job Risk Assessment, JSA & Toolbox Talks
- Strict Permit to Work (PTW) & LOTO compliance
- Qualified personnel, PPE & safe work supervision
- Safe handling of transformer oil, SF₆ and hazardous materials
- Emergency preparedness and incident response
- Stop Work Authority for unsafe conditions

Standards & Compliance

- ISO 45001:2018 – Occupational Health & Safety
- ISO 14001:2015 – Environmental Management
- SEC Safety Standards & Procedures
- Saudi Aramco HSE Requirements
- Applicable Saudi laws & regulatory requirements
- Client-specific HSE plans and site procedures



Major Clients and Key Projects

Project / Scope	PO No.	Client	Equipment Details
Preventive Maintenance, Testing & OLTC Service	POLE-PO24000389	Saudi Energy Grid Station – Al Kharaj	60 MVA, 132/13.8 kV Power Transformer
Transformer Oil Filtration & Maintenance	ETC-PO-2025-00442	SIPCHEM	28 MVA, 12.5 MVA, 3.1 MVA & 2.5 MVA Transformers
Power Transformer Maintenance	ETC-PO-2025-00282	Jana Jubail Chemical Industries	60 MVA, 115/13.8 kV Power Transformer
Synchronous Motor Rewinding & Rotor Overhaul	ETC-PO-2026-00508	Ministry of Defense	7,000 HP, 4 kV Synchronous Motor
Transformer Rewinding	PO#5338095	Marafiq	2 × 500 kVA, 4.16 kV Dry-Type Transformers
MV Motor Rotor Rewinding	ETC-PO-2025-00269	ABB	9.6 MW MV Motor Rotor
MV Motor Stator Rewinding	ETC-PO-2024-00258	SATROP	200 kW, 4.16 kV Motor
Transformer Inspection	PO#4500049328	Jana Jubail Chemical Industries	22 MVA Transformer



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Connecting Expertise, Delivering Excellence

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