



ALSHARHAN ENERGY COMPANY

Company Profile



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Who We Are

We are a trusted Al Sharhan Energy company in the energy sector, delivering transmission and power infrastructure with safety, certainty, and quality

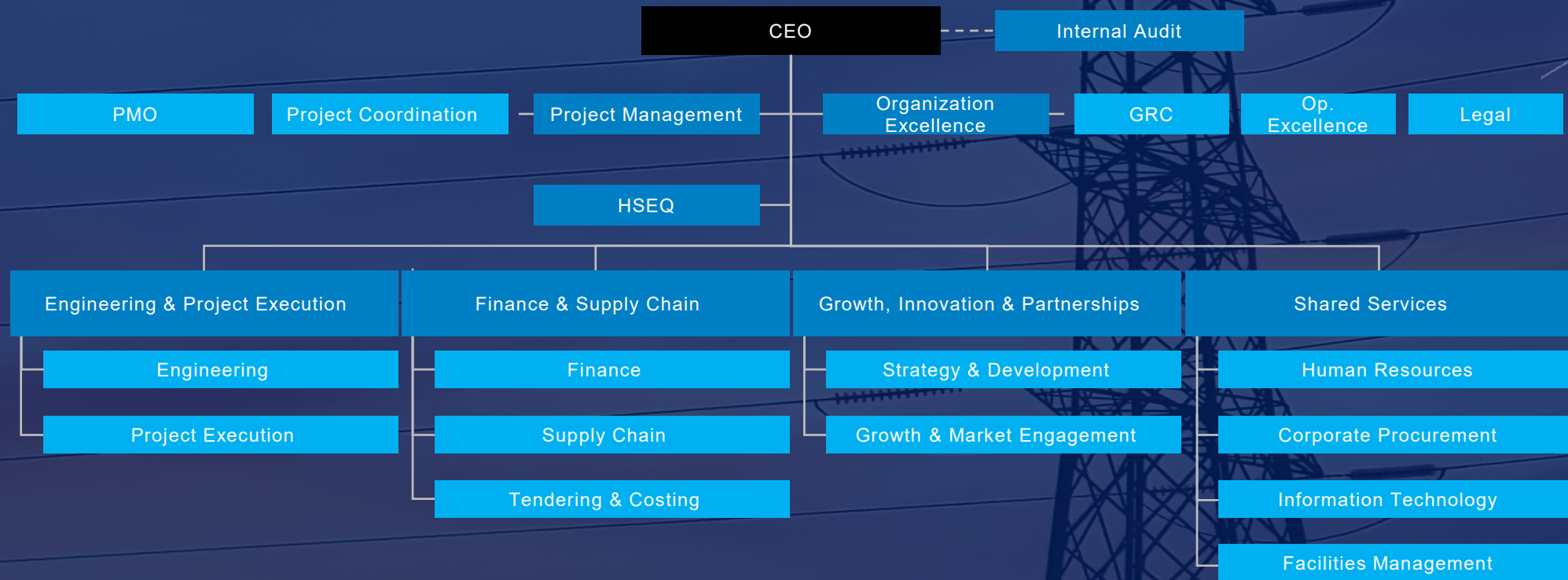
Al Sharhan Energy is a Saudi-based engineering and construction company with a solid track record in power transmission and cable projects. We combine technical expertise with deep insight into the local market to deliver complex energy infrastructure with precision, quality, and reliability.

With extensive experience and a long history of successful projects, we operate with a culture grounded in safety, performance, and continuous improvement—fully committed to supporting the Kingdom's growth and driving its energy transformation.



Organization & Workforce

Our people are our strength, with a structured organization, certified expertise, and continuous training programs



Vision, Mission & Values

We are guided by a clear vision, driven by our mission, and anchored in values that place safety, quality, and integrity at the core of every project

Vision



A trusted partner in delivering integrated energy projects by providing world-class smart offerings that enhance grid reliability and resilience

Mission



To deliver intelligent, sustainable, and fully integrated EPC solutions in the energy sector by combining in-house innovation, strategic partnerships, operational excellence, and advanced equipment manufacturing to empower thriving societies



Values



Act with Integrity &
Fairness



Empower through
Collaboration



Promote Sustainability &
Safety



Strive for
Excellence

At-a-Glance

Our footprint, certifications, and registrations reflect our readiness to deliver complex projects in Saudi Arabia and beyond



Founded:

Al Sharhan Energy was founded to support Vision 2030 in smart energy and local equipment.



High Quality:

At Al Sharhan Energy, we uphold the highest quality standards in all our projects for client satisfaction.



Innovation:

We innovate at Al Sharhan Energy to deliver advanced and sustainable solutions.



Sustainability:

Al Sharhan Energy is committed to sustainability in all its projects and solutions.

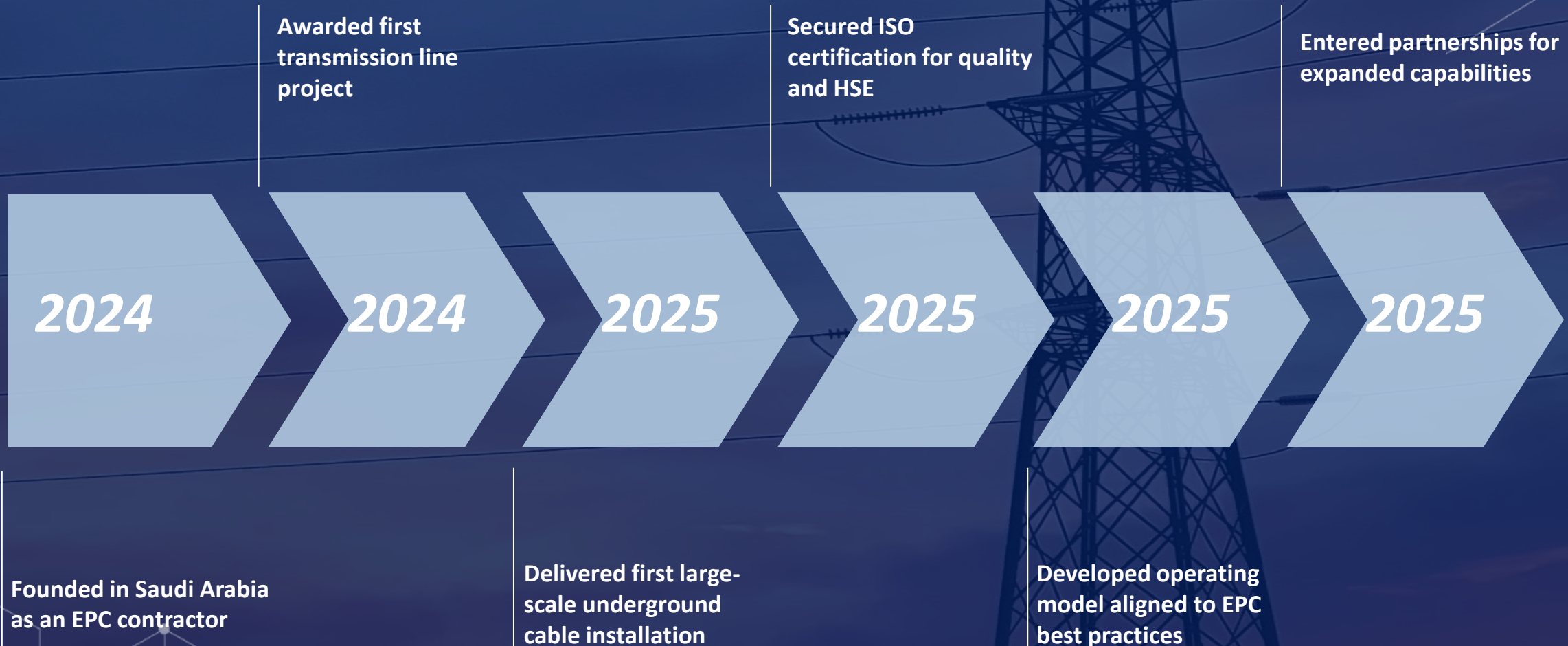


Local Content:

We support local content at 23% by manufacturing equipment and developing national expertise.

History & Milestones

From our founding to our first mega project and beyond, our journey reflects steady growth and enduring partnerships



Geographic Presence

Our offices, sites, and partnerships give us a strong presence in Saudi Arabia with the reach to deliver regionally



Partnerships & JVs

Through strategic partnerships and joint ventures, we bring added capabilities, capacity, and knowledge transfer to the Kingdom

JV with [partner name]

SIEYUAN ELECTIRC CO.LTD

Purpose: technology transfer, niche expertise

GIS

Successful collaborative projects
[insert example]

production and sales of GIS,
Mobile substation and
Prefabricated Substation

Business Overview / Sectors

We operate across Power & Transmission, Renewable & Sustainable Energy, Testing & Commissioning and Automation & Smart Systems bringing EPC expertise to every stage of development

Business Overview / Sectors

Power & Transmission

- High Voltage Substations (132 kV / 110 kV / 33 kV)
- Overhead Transmission Lines (OHTL)
- Underground Power Cables (UG HV/MV)
- Protection, Control & Automation Systems
- Substation Expansion & Modification Works

Renewable & Sustainable Energy

- Solar PV Projects (Utility & Rooftop)
- Hybrid Energy Systems (Solar + Diesel / Battery)
- Battery Energy Storage Systems (BESS)
- Grid Integration of Renewable Sources
- Smart Microgrids and Clean Energy Solutions

Testing & Commissioning

- EXV/ HV / MV Testing & Diagnostics
- Protection Relay Testing & Calibration
- Commissioning of Electrical Systems
- Preventive and Corrective Maintenance Services
- Long-Term Operation & Maintenance (O&M) Contracts

Automation & Smart Systems

- Substation Automation Systems (SAS, IEC-61850)
- SCADA & RTU Integration
- Control and Monitoring Systems
- Industrial Communication Networks
- Smart Metering & Energy Management Systems (EMS)

Core Services Across the Project Lifecycle

From FEED to construction, commissioning, and O&M, we deliver integrated EPC services across the full project lifecycle

FEED & Detailed Engineering	Procurement	Construction	Testing & Commissioning	O&M
<ul style="list-style-type: none"> • Conceptual & Front-End Design (FEED) • Detailed Electrical & Civil Design • System Studies & Load Flow Analysis • Design Review & Interface Engineering • Preparation of Drawings and Technical Specifications • Coordination with SEC Standards & Requirements 	<ul style="list-style-type: none"> • Vendor Prequalification & Evaluation • Material Requisition & Tender Preparation • Bid Evaluation and Technical Clarifications • PO & Contract Management • Logistics and Delivery Tracking • Coordination with OEM Suppliers 	<ul style="list-style-type: none"> • Civil Works (Foundations, Buildings, Roads) • Equipment Installation (Transformers, GIS, Cables, Panels) • Mechanical & Electrical Erection • Site Supervision & QA/QC Control • HSE Implementation and Monitoring 	<ul style="list-style-type: none"> • Testing of Primary & Secondary Systems • Protection Relay Testing & Calibration • Functional Checks and System Integration • Pre-Commissioning & Energization • Handover to Client with Full Documentation 	<ul style="list-style-type: none"> • Preventive & Corrective Maintenance Programs • Performance Monitoring and Diagnostics • System Upgrades & Retrofits • Emergency Response and Fault Analysis • Long-Term O&M Contracts for Substations & Lines

Differentiators

Our unmatched safety record, schedule discipline, and in-kingdom supply chain position us as a partner of choice for fast-track, high-stakes projects



Zero-compromise safety culture and strong HSE KPIs



Proven schedule certainty, even in complex conditions



Strong local supply chain and IKTVA alignment



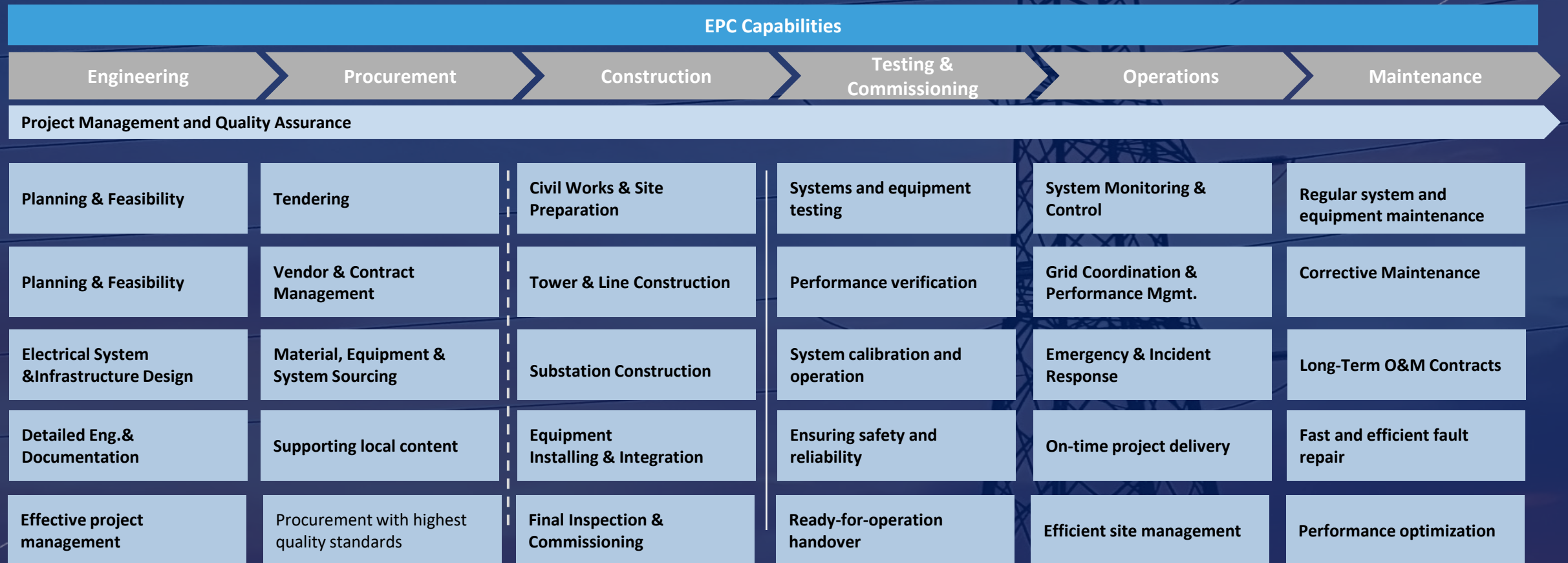
Expertise in brownfield/live-plant execution



Digital project controls for transparency in cost and schedule

Capabilities Map

Our multidisciplinary engineering teams deliver process, mechanical, piping, civil, electrical, and controls expertise under one roof



Quality & HSE

Quality assurance and world-class HSE systems ensure every project is delivered to the highest global and in-kingdom standards

- 1 Quality:** We ensure top quality standards in design and execution for optimal results.
- 2 Safety:** Safety is a priority, using world-class HSE systems to protect staff and equipment.
HSE systems: PTW, JSA, LOTO.
- 3 Standards:** We apply the best international and local standards across all projects.
- 4 Continuous Improvement:** We continuously enhance quality and safety systems to ensure efficiency and client satisfaction.

Project Delivery Framework

We manage every project with a structured governance framework that secures cost, schedule, quality, and safety outcomes

Risk management: active risk register



Governance through stage gates

Cost & schedule monitoring with EVM



Project Delivery Framework




Change control and interface management



Robust document control systems


Facilities, Assets & Resources

Our workshops, yards, and equipment resources enable us to execute projects with scale, efficiency, and reliability

 Fabrication Facilities and Yards: Al Sharhan Energy has fabrication facilities and laydown yards across the Kingdom to support large-scale and efficient project execution.

 Equipment: We provide cable-laying and testing equipment to ensure precise and rapid operations.

 Calibration Labs and Warehousing: Our calibration labs and warehousing capacity support operational processes and ensure quality across all project stages.

 Fleet and Logistics: The company operates a fleet of over 35 heavy equipment and logistics vehicles, including cranes, boom trucks, excavators, forklifts, trailers, and service vehicles to support site operations across all regions.

Supply Chain & Local Content

We are deeply invested in local partnerships, Saudization, and IKTVA-driven value creation that strengthens the Kingdom's economy



Local Partnerships: Al Sharhan Energy invests in partnerships with local manufacturers to enhance the supply chain and support the national economy.



Framework Agreements: The company relies on multi-category framework agreements to ensure strategic resources are available efficiently.



Local Vendor Development: Al Sharhan focuses on developing local vendors to improve product quality and operational efficiency.



Saudization: 23% of the workforce are Saudi nationals, integrated across operational and managerial levels.



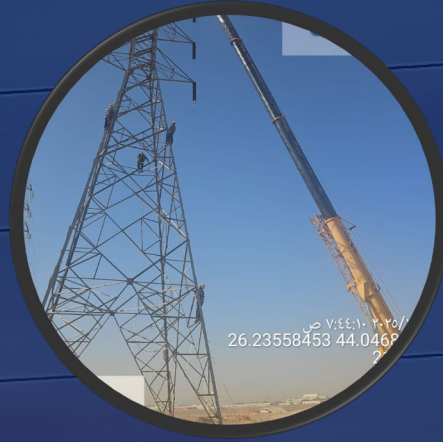
Training and Capacity Building: The company provides training programs for Saudi graduates to enhance skills and develop national expertise.

Sustainability / ESG & CSR

We are committed to sustainable practices, environmental protection, and community development as part of every project



Technical Services Contract for the 500 MW / 2,000 MWh Battery Energy Storage System (BESS)



OVERHEAD TRANSMISSION LINE WORKS (110 KV – 132 KV)



UNDERGROUND CABLES (110 KV TO 132 KV)



DESIGNING & CONSTRUCTING OF SUBSTATIONS (110 KV TO 132 KV)

SPECIAL PROJECT



During ADIPEC 2025, King Salman Energy Park (SPARK) signed an agreement with Al Sharhan Co to establish an integrated industrial facility for the production of glass, porcelain, and composite electrical insulators used in power transmission and distribution. The project aims to advance local content, enable technology transfer, and support Saudi Vision 2030 by promoting advanced manufacturing and strengthening the energy sector supply chain in the Kingdom.

Project Overview & Key Deliverables



Scope of work

Engineering, Procurement, and Construction (EPC) of a 132 kV GIS Substation including control, protection, and communication systems.

Civil, electrical, and mechanical works for main building, cable trenches, and equipment foundations.

Supply and installation of power transformers, switchgear, CTs, VTs, LAs, and related accessories.

Integration with National Grid (NG-SA) network and remote SCADA/NCC system.



Our role

Full EPC turnkey contractor responsible for design, material sourcing, site construction, testing, and commissioning.

Managed vendor qualification, FAT, and logistics for imported high-voltage equipment.

Coordinated with SEC and NG-SA engineers for protection, control, and SCADA approval.

Implemented HSE Zero-Incident Program and ensured compliance with ISO 45001 & SEC standards.



Project outcomes

Achieved full system reliability and Successful energization and handover of substation within contractual timeline.

grid synchronization at first attempt.

Zero lost-time incidents (LTI) during construction and commissioning.

Strengthened Al Sharhan Energy's position as a trusted EPC partner for high-voltage power projects in the Kingdom

DESIGNING & CONSTRUCTING OF SUBSTATIONS (110 KV TO 132 KV)

Al-Sharhan Energy is an approved and qualified contractor by the Saudi Electricity Company (SEC) for the execution of high-voltage substation projects from 110 kV to 132 kV. The company provides fully integrated services covering engineering design, civil construction, equipment supply, installation, testing, and commissioning.

All works are carried out in full compliance with the Kingdom's highest standards of quality, safety, and technical regulations, reflecting our commitment to delivering reliable and nationally aligned power infrastructure.



UNDERGROUND CABLES (110 KV TO 132 KV)

Al-Sharhan Energy undertakes the essential work of extending underground power cables to ensure reliable and efficient energy transmission between substations and end users.

Our scope includes: **Planning & Design:** Developing cable route plans and preparing technical designs to achieve maximum efficiency, safety, and compliance with project requirements.

Excavation & Installation: Executing excavation and cable laying works using modern techniques and equipment to ensure safe, accurate, and high-quality implementation.

Cable Testing: Performing high-voltage, insulation, and performance tests to verify cable integrity and readiness before energization.



OVERHEAD TRANSMISSION LINE WORKS (110 KV – 132 KV)

Al-Sharhan Energy is qualified by the Saudi Electricity Company (SEC) to execute overhead transmission line projects at voltage levels from 110 kV to 132 kV. Our scope covers the full installation, operation, and maintenance of high-voltage overhead lines across all regions of the Kingdom.

With advanced technologies and skilled teams, we manage all project phases efficiently, ensuring strict adherence to safety, quality, and technical standards.

Our expertise enables reliable and uninterrupted power transmission that supports growing energy demands.

Through close coordination with authorities and continuous monitoring of site activities, we ensure timely delivery and optimal performance of transmission infrastructure—reinforcing our commitment to excellence within the Kingdom’s electrical sector.



Compliance & Registrations

Our client registrations, licenses, and safety clearances reflect our credibility and approval to work with the Kingdom's leading entities

Registrations

Saudi Electricity Company (SEC)
Saudi Aramco
Ministry of Energy / ETIMAD Portal
Saudi Contractors Authority (SCA)
Saline Water Conversion Corporation (SWCC)
National Water Company (NWC)

Professional licenses

EPC Contractor License
Commercial Registration (CR)
GOSI, ZATCA, and Qiwa Compliance
Chamber of Commerce
Professional Engineer Classification

Safety certifications

SEC Safety Prequalification Certificate
Aramco Safety & Work Permit
Approval
NEBOSH / OSHA Certified HSE Staff
ISO 45001:2018
ISO 9001:2015
ISO 14001:2015

Our Clients



شركة المياه الوطنية
National Water Company



وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture



أرامكو السعودية
Saudi Aramco



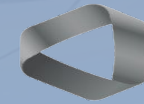
stc



المؤسسة العامة للري
Saudi Irrigation Organization
المملكة العربية السعودية



إسناد
ESNAD
الشركة السعودية لخدمات التعدين
SAUDI MINING SERVICES CO



الشركة السعودية للكهرباء
Saudi Electricity Company



نقل الكهرباء
National Grid SA

Registered Entities

الهيئة الملكية لمدينة الرياض
ROYAL COMMISSION FOR RIYADH CITY



الهيئة الملكية
للجبل وينبع
Royal Commission for Jubail & Yanbu



المسار
الرياضي
Sports Boulevard



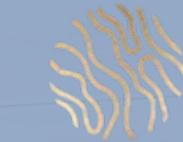
NEOM

مدن MODON
الهيئة السعودية للمدن الصناعية ومناطق التقنية
Saudi Authority for Industrial Cities and Technology Zones



SAR
الخطوط الحديدية السعودية
SAUDI ARABIA RAILWAYS

Cluster 2
تجمع مطارات الثاني



Red Sea
Global



مجموعة روشن
ROSHN GROUP

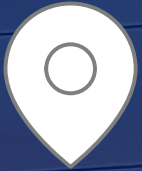


الهيئة الملكية لمدينة مكة
المكرمة والمشاعر المقدسة
ROYAL COMMISSION FOR
MAKKAH CITY AND HOLY SITES



Contact & Next Steps

Partner with us to deliver energy infrastructure that powers the Kingdom's growth and strengthens future generations



Sharhan Energy Company- Prince Turki Bin Abdulaziz Al Awwal Road, Al Aqiq District - Riyadh, Kingdom of Saudi Arabia



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الشهران للطاقة
AL SHARHAN ENERGY

