ENGINEERING POWER
SHAPING THE FUTURE







POWER & UTILITIES INFRASTRUCTURE

MV/LV DISTRIBUTION | SUBSTATIONS | UTILITIES INFRASTRUCTURE | SUSTAINABLE POWER

Head Office: Al-Khobar, Saudi Arabia

Email: info@jtco.sa | Tel: +966-13-8994747

www.jtco.sa

الجيل الثالث
aljeel althalith

CORPORATE PROFILE

Al-Jeel Al-Thalith Contracting Company Ltd. is a 100% Saudi-owned contractor established in 1996 and headquartered in Al-Khobar, Kingdom of Saudi Arabia. The company specializes in power distribution, substations, and utility infrastructure works for government, utility, and large-scale urban development projects.

Over the past two decades, Al-Jeel Al-Thalith has successfully executed multiple MV and LV electrical infrastructure projects up to 36 kV, primarily for the Saudi Electricity Company (SEC), the Royal Commission for Jubail & Yanbu, and other government and private sector clients. The company's executed and ongoing contracts include distribution network expansion, substations, RMU and transformer installations, utility reinforcement works, and power system upgrades.

Al-Jeel Al-Thalith has delivered completed projects exceeding SAR 37 million in value, with additional ongoing and unit-rate utility contracts for SEC and the Royal Commission, demonstrating long-term client trust and sustained operational capability.

Key executed scopes include:

- Expansion, reinforcement, and maintenance of MV/LV distribution networks up to 36 kV
- Installation, replacement, and commissioning of switchgears, RMUs, distribution transformers, and ATS systems
- MV/LV cable laying, termination, testing, and splicing for utility networks
- Substation works including UPS systems, battery banks, and associated power equipment
- Electrical infrastructure works for community developments and services buildings

With a strong understanding of SEC standards, approval procedures, and utility coordination requirements, Al-Jeel Al-Thalith is well positioned to support district-level power and utilities works for major master-planned developments such as the New Dammam Project, delivering safe, compliant, and reliable electrical infrastructure.

info@jtco.sa +966-13-8994747 Al-Khobar, Saudi Arabia

VISION

To be a leading Saudi contracting company, recognized for excellence, professionalism, and technical quality in electrical and infrastructure works, while contributing to the goals of Saudi Vision 2030 and the national transformation program.

MISSION

To deliver safe, reliable, and high-quality contracting services through skilled human resources, advanced technologies, and effective project management, ensuring client satisfaction and compliance with Saudi standards.

MESSAGE

Al-Jeel Al-Thalith is built on experience, expertise, and commitment. Our success is driven by our people, strong management systems, and a clear focus on quality and safety.

We believe that continuous development of human capital, innovation in execution, and responsibility toward clients and the community are essential to achieving sustainable growth and supporting Saudi Vision 2030.

رؤية VISION 2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

CORE POWER & UTILITIES SERVICES

POWER DISTRIBUTION NETWORKS

- MV and LV distribution networks up to 36 kV
- Underground and overhead power distribution networks
- Power distribution feeders and network extensions
- Service connections for residential and commercial districts
- MV/LV cable laying, routing, jointing, termination, testing, and commissioning
- Cable identification, continuity testing, insulation resistance testing, and final energization support

SUBSTATIONS & SWITCHGEAR

- Package and unit substation installation
- RMU, ATS, and distribution transformer installation
- 13.8 kV switchgear EPC works
- MV and LV switchgear installation, modification, upgrading, and retrofitting
- Protection relay installation, configuration, testing, and commissioning
- Transformer cabling, termination, testing, and commissioning
- Substation earthing, control wiring, auxiliary power, and final commissioning support

UPS, BATTERY CHARGERS, AND BACKUP POWER SYSTEMS

- UPS system installation, testing, and commissioning
- Central battery systems and battery bank installation
- DC battery systems for substations, switchgear, control panels, and protection systems
- Battery chargers, rectifiers, and DC distribution panels
- UPS input/output cabling, bypass panels, and distribution boards
- Battery rack, cabinet, and enclosure installation
- Load testing, autonomy verification, and battery performance testing
- Battery replacement, preventive maintenance, and backup power system upgrades
- Integration of backup power systems for critical electrical loads



CORE POWER & UTILITIES SERVICES

UTILITIES INFRASTRUCTURE

- Electrical duct banks and utility corridors
- Cable trenches, manholes, handholes, and associated civil works
- Street lighting power infrastructure
- Earthing and lightning protection systems
- Cathodic protection systems
- Utility crossings, sleeves, cable markers, warning tapes, and route protection works
- Coordination with civil, infrastructure, and utility authority requirements

TESTING, COMMISSIONING & RETROFITTING

- MV/LV cable testing and commissioning
- Switchgear testing, modification, and retrofitting
- Protection relay testing and commissioning
- Transformer testing and commissioning
- Grounding system testing and commissioning
- Old electrical system upgrading and modernization
- Final inspection, pre-commissioning, commissioning, and handover documentation



CORE CONTRACTING & INFRASTRUCTURE SERVICES

INSTRUMENTATION, CONTROL & COMMUNICATION SYSTEMS

- Fiber optic cabling and structured cabling systems
- Control cabling works
- Communication equipment installation and integration
- Low-density and medium-density multiplexers
- SDH communication systems
- PABX systems
- Wireless communication systems
- Instrumentation system conceptual design, installation, testing, and commissioning
- RTU and SCADA system installation, testing, and commissioning
- CCTV and access control systems
- Control and instrumentation cabinet assembly, wiring, testing, and commissioning
- Upgrading and retrofitting of existing instrumentation and control systems
- Building Management Systems, BMS
- Fire detection systems
- Industrial gas monitoring system installation, testing, and commissioning

MECHANICAL WORKS

- HVAC systems installation and maintenance
- Industrial fabrication works
- Pipeline works including BS, GS, SS, PVC, HDPE, GRP, VCP, and DI pipelines
- Fencing works
- Pumping stations
- Sewerage lifting stations
- Fire protection systems
- Mechanical equipment installation and support works
- Testing, commissioning, and maintenance of mechanical systems

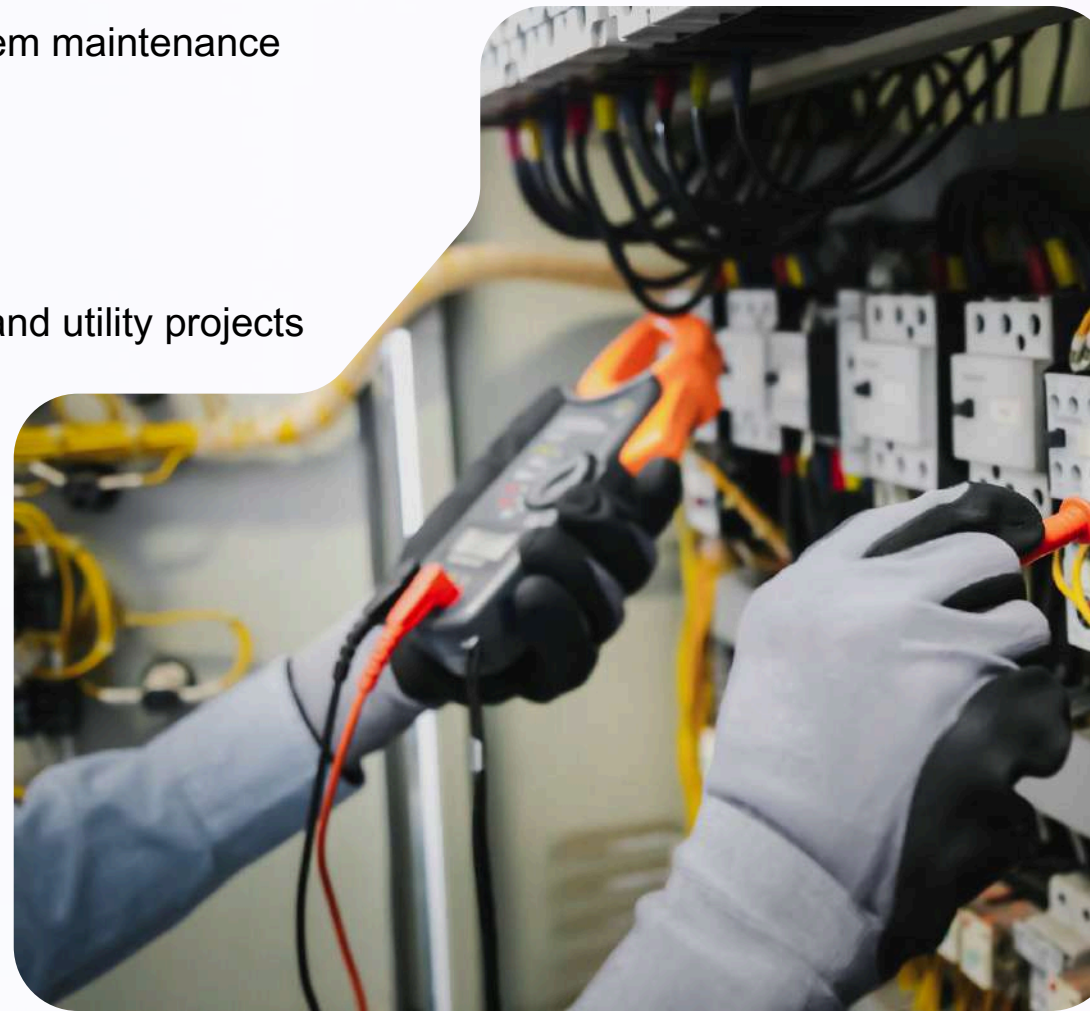
CORE CONTRACTING & INFRASTRUCTURE SERVICES

CIVIL & CONSTRUCTION WORKS

- Building construction works
- Land development and earthmoving works
- Road works
- Water and sewage infrastructure works
- Renovation and rehabilitation works
- Underground non-invasive surveying for buried utilities
- Trenching works
- PEB design and erection
- Switchgear room construction
- Foundation pads and equipment foundations
- Associated civil works for infrastructure and utility projects

OPERATION & MAINTENANCE SERVICES

- Civil, mechanical, instrumentation, and communication system maintenance
- Preventive and corrective maintenance works
- Facility and infrastructure maintenance support
- Equipment inspection and service support
- Troubleshooting, repair, and system improvement works
- Long-term maintenance support for industrial, commercial, and utility projects



SUSTAINABILITY & SOLAR SOLUTIONS

SUPPORTING VISION 2030 & SUSTAINABLE URBAN DEVELOPMENT

Al-Jeel Al-Thalith supports the integration of sustainable power solutions within infrastructure and utility developments, contributing to environmental efficiency, energy optimization, and long-term operational reliability.

Our Capabilities Include:

- Solar-powered street lighting systems
- Hybrid power solutions for infrastructure services
- Grid-connected solar integration support
- Energy-efficient power distribution systems
- Renewable power interface support with utility networks
- Coordination with utility authorities for solar and renewable energy connections
- Sustainable power solutions for residential, commercial, industrial, and infrastructure projects

These solutions are aligned with Saudi Vision 2030 and the sustainability objectives of modern urban development, supporting cleaner, more efficient, and reliable infrastructure across the Kingdom.



PROJECT EXPERIENCE

Client / Project	Location	Scope of Work	Type	Contract Value	Duration	Status
Saudi Electricity Company, SEC	Rafha	Overhead and underground distribution	Electrical	SAR 30.0 M	5 years	Handover Stage
Saudi Electricity Company, SEC	Rafha	Overhead and underground distribution	Electrical	SAR 30.0 M	5 years	Completed
Saudi Electricity Company, SEC	Rafha	Overhead and underground distribution	Electrical	SAR 30.0 M	5 years	Completed
SEC, Central Operating Area	Central Region	Installation, removal, replacement, and modification of	Civil & Electrical	SAR 18.71 M	3 years	Completed
SASREF / SABIC	Jubail	Replacement of 133 MVA power transformers and	Electrical	SAR 0.98 M	8 months	Completed
SASREF / SABIC	Jubail	Replacement of main power transformers,	Electrical	SAR 0.98 M	6 months	Completed
SASREF / SABIC	Jubail	Cable pulling and replacement of power cables	Electrical	SAR 0.60 M	2 months	Completed
Ibn Sinaa / SABIC	Jubail	Cable pulling and laying for 230 kV power supply	Cable Pulling / Laying	SAR 3.7 M	6 months	Completed
Madinah New International	Madinah	Cable pulling and laying works	Cable Pulling / Laying	SAR 4.3 M	4 months	Completed
Saudi Aramco	Shaybah	Cathodic protection and 13.8 kV overhead power	Civil & Electrical	SAR 0.243 M	1 year	Completed
Saudi Aramco	Rabigh	34.5 kV transmission line structures, conductor	Civil, Equipment & Mechanical	SAR 1.12 M	1 year	Completed
Saudi Aramco / Khurais	Khurais	Fiber optic cable laying, duct bank works, splicing, termination, and	Civil & Communication	SAR 1.8 M	6 months	Completed
Saudi Electricity Company, SEC	Various	Maintenance of UPS batteries and	Electrical / UPS	Unit Rate	3 years	Completed

PROJECT EXPERIENCE

King Faisal University	Al Ahsa	Replacement of substations from Building No. 27	Electrical	SAR 0.98 M	11 months	Completed
Al Noor Specialist Hospital	Mecca	Electrical and BMS control works	Electrical & Control	SAR 11.0 M	1 year	Completed
King Fahd Specialist Hospital	Dammam	Installation of electrical panels, cables, cable trays,	Electrical	SAR 0.248 M	1 month	Completed
Ministry of Education	Hafr Al-Batin	Construction of Abada Bin Al Samit Primary School	Construction	SAR 4.59 M	22 months	Completed
Ministry of Education	Hafr Al-Batin	Construction of Al-Moghira Bin Shoba Secondary School	Construction	SAR 4.55 M	22 months	Completed
Ministry of Finance	Batha	Completion of 13.8 kV overhead distribution line for	Electrical	SAR 4.8 M	1 year	Completed
Royal Commission Yanbu	Yanbu	Construction and development of electrical facilities	Civil & Electrical	SAR 1.66 M	1 year	Completed
Royal Commission Yanbu	Yanbu	Infrastructure works for community area	Civil	SAR 8.1 M	2 years	Completed
SASREF / SABIC	Jubail	Construction of 34.5 kV switchgear and transformer	Civil & Electrical	SAR 25.66 M	1.5 years	Completed
SASREF / SABIC	Jubail	Replacement of 34.5 kV HV cables	Electrical	SAR 3.1 M	6 months	Completed
SASREF / SABIC	Jubail	Installation of HV cables and optical fiber works	Electrical	SAR 9.77 M	1 year	Completed
Al Fanar	KSA	Cable pulling, splicing, and termination works	Electrical	SAR 0.60 M	6 months	Completed
Saudi Electricity Company, SEC	Various	Maintenance of UPS and battery chargers	UPS & battery chargers	Unit Rate	3 years	Ongoing

MANPOWER & EQUIPMENT READINESS

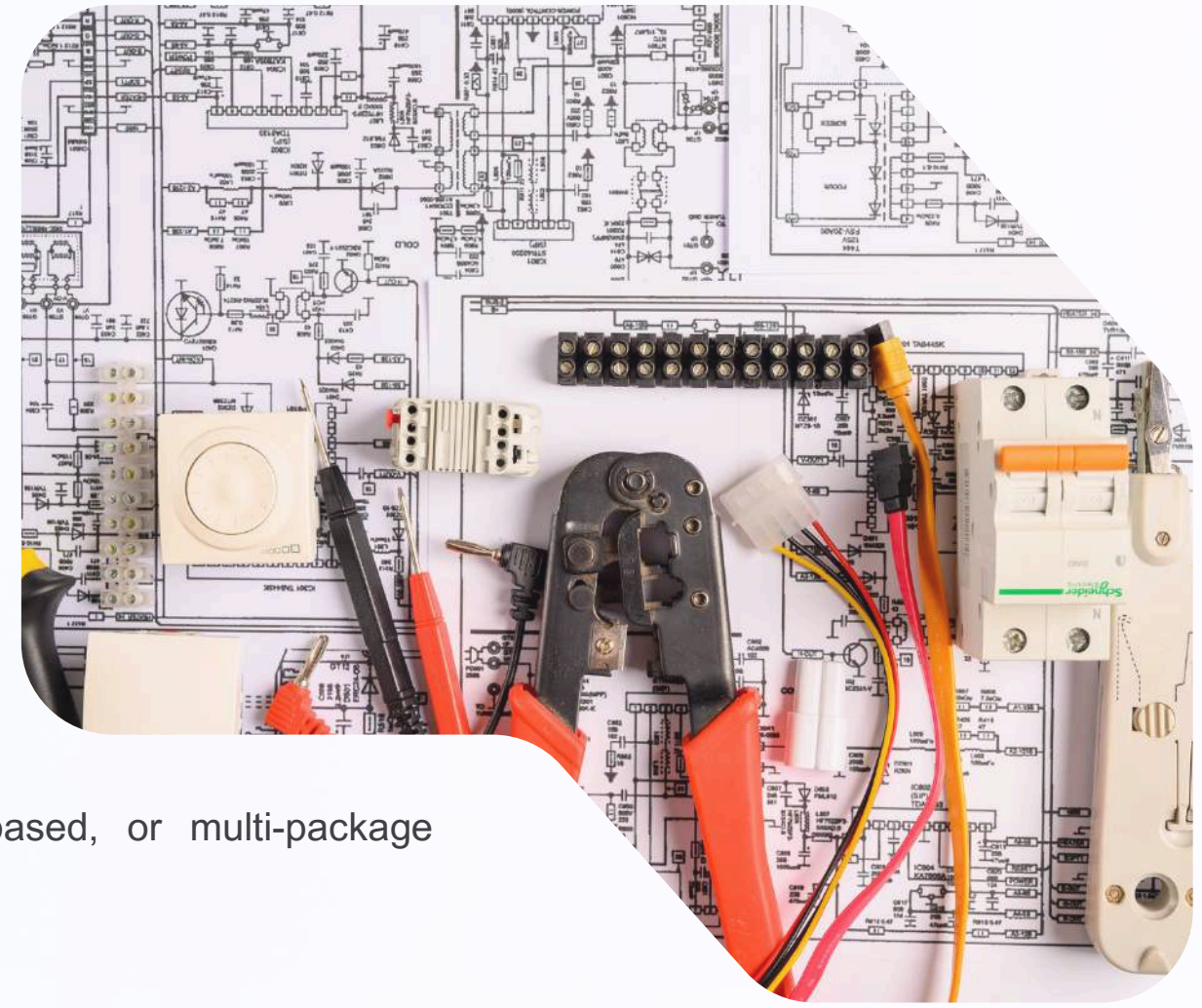
With a skilled and experienced workforce supported by modern equipment, the organization executes power and utilities infrastructure works efficiently, safely, and in full compliance with project requirements.

Manpower includes:

- Project Managers and Site Engineers
- Engineers and Supervisors
- Linemen and Technicians
- QA/QC Engineers and Inspectors
- HSE Officers and Coordinators

Equipment includes:

- Bucket trucks and cable pulling equipment
- Cranes and lifting equipment
- Testing and commissioning tools
- Support vehicles and site logistics resources



The company is capable of phased, district-based, or multi-package mobilization in line with project requirements.

HEALTH & SAFETY POLICY

Al-Jeel Al-Thalith Contracting Company Ltd. firmly believes that **NO JOB OR TASK IS MORE IMPORTANT THAN THE HEALTH AND SAFETY OF WORKERS.** Where any activity presents a potential safety or health risk, every effort shall be made to properly plan and safely execute the work. All procedures must be safe procedures, and shortcuts or unsafe practices by supervisors or workers will not be tolerated.

Any worker who observes an unsafe or unprotected activity that may pose a risk to health or safety must immediately inform management. The company is committed to taking appropriate corrective actions without delay to eliminate hazards and prevent incidents.

Company management is responsible for ensuring effective governance of health and safety matters through approved organizational arrangements, policies, and procedures that are fully implemented in practice. This responsibility is exercised through regular reporting and reviews, Employees Committee (EC) involvement, and Project Managers' meetings (PMS), where health and safety performance and reports are reviewed to ensure continuous improvement.

Overall responsibility for health and safety management, policy development, and auditing rests with the Executive Director – Human Resources. All heads of operating units are personally accountable for implementing approved health and safety policies and ensuring safe working practices within their areas of responsibility, supported by qualified health and safety professionals and coordinators as required.

QUALITY ASSURANCE

Al-Jeel Al-Thalith Contracting Company Ltd. is committed to delivering services that meet or exceed client requirements, contractual obligations, and applicable statutory and regulatory standards. The Company has established and maintains a Quality Management System (QMS) in accordance with ISO 9001:2015, applicable to all projects and operational activities.

The Quality Management System is designed to ensure effective planning, execution, monitoring, and continuous improvement of all processes. Its objective is to achieve client satisfaction through consistent quality performance, prevention of non-conformities, reduction of rework, and effective cost and schedule control.

Quality Assurance activities focus on process control, risk-based thinking, document control, training, internal audits, and management reviews. Quality is a shared responsibility, supported by top management and implemented at all organizational levels under the “Think Quality” philosophy.

A Quality Assurance Manager is appointed to develop, implement, monitor, and maintain the Quality Management System. The Quality Assurance Manager reports directly to the Managing Director on all quality matters to ensure independence and authority.

QUALITY CONTROL

Quality Control is an integral part of Al-Jeel Al-Thalith's project execution process and organizational structure. It ensures that all works are carried out in compliance with approved drawings, specifications, contractual requirements, and applicable international standards.

Quality Control activities include inspection, testing, verification, and documentation at all stages of work execution. Approved **Inspection and Test Plans (ITPs)**, method statements, and checklists are used to monitor compliance and prevent non-conformities.

The Quality Control Engineer reports directly to the Project Manager and coordinates closely with the Project Superintendent, site engineers, and supervisors. The QC team supports site operations by identifying deviations, ensuring corrective actions, and maintaining complete quality records.

Through effective Quality Control implementation, the Company ensures consistent workmanship, compliance with project requirements, and delivery of safe, reliable, and high-quality outcomes.

HEAD OFFICE

King Abdul Aziz Street, Borman Building, 5th Floor
Madinatul Ummal,
Al-Khobar 31952, Kingdom of Saudi Arabia

T. +966-13-8994747 / 8653884
F. +966-13-8994949

info@jtco.sa

Thank

WWW.JTCO.SA

FACEBOOK/JTCOSA TWITTER/JTCOSA