MECHNEX
ENGINEERING & CONTRACTING

GENERAL PRE-QUALIFICATION · 2026

Technical Capability Statement

Electrical Works

MECHNEX installs power distribution, lighting, containment and earthing systems for commercial, industrial and residential projects.

LV Distribution | Lighting & Power | Containment | Earthing & Lightning

AN AL-RIFAI GROUP COMPANY

KINGDOM OF SAUDI ARABIA

01 · OVERVIEW

Low-voltage electrical works for every type of building.

MECHNEX installs power distribution, lighting, containment and earthing systems for commercial, industrial and residential projects.

We work from approved drawings, test every circuit before energising and hand over with test certificates and as-built records.

100+	13	6	100%
Clients served	**Regions covered**	**System types**	**Circuits tested**
Across commercial, industrial and public buildings	Every administrative region of the Kingdom	Switchgear, boards, cabling, lighting and earthing	Before every energisation

Profile

ITEM	DETAIL
Company	MECHNEX Engineering & Contracting — an Al-Rifai Group company
Service line	Electrical Works
Scope	Design · Supply · Install · Test & Commission · Maintain
Operating cities	Riyadh · Jeddah · Madinah · Taif · Jazan
Coverage	All 13 regions of the Kingdom
Clients served	100+ across banking, retail, industry, logistics, healthcare and education

Why MECHNEX

Safety first
Every circuit tested before energising.

Coordinated
Power for every building service planned together.

Clean installs
Neat containment that is easy to maintain.

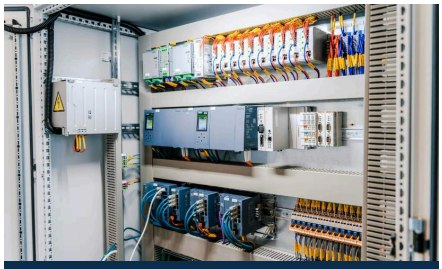
Documented
Test certificates and as-built drawings.

02 · WHAT WE DELIVER

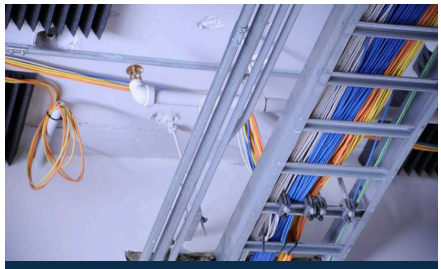
Six electrical systems, installed and tested.



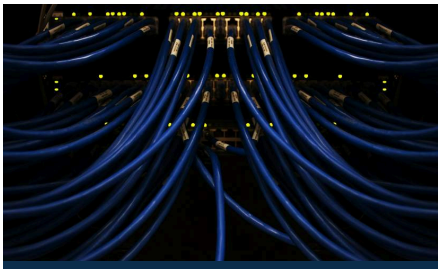
01 LV switchgear



02 Distribution boards



03 Cable containment



04 Power cabling



05 Lighting



06 Protection devices

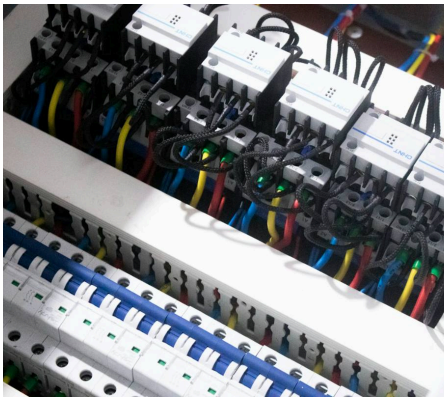
03 · CODES & STANDARDS

Designed and installed to recognised standards.

STANDARD	SCOPE
SBC 401	Saudi Electrical Code
IEC 60364	Low-voltage electrical installations
IEC 61439	Low-voltage switchgear assemblies
IEC 62305	Lightning protection
SEC requirements	Saudi Electricity Company connection requirements

04 · CAPABILITIES IN DETAIL

How we deliver each system.



POWER

Power Distribution

From the main switchboard to every final circuit: boards, switchgear and cabling sized and installed to drawings.

- Main and sub-main boards
- LV switchgear and panels
- Power cabling
- Final circuits
- Metering
- Testing and certification



LIGHTING & CONTAINMENT

Lighting, Containment & Earthing

Neat, accessible installations that are safe to operate and easy to maintain.

- Cable trays and ladders
- Conduit and trunking
- Lighting and small power
- Emergency lighting
- Earthing systems
- Lightning protection

05 · SCOPE OF CAPABILITY

Full life-cycle delivery for every system.

SYSTEM	DESIGN	SUPPLY	INSTALL	TEST & COMMISSION	MAINTAIN
LV switchgear and boards	✓	✓	✓	✓	✓
Power cabling	✓	✓	✓	✓	✓
Cable containment	✓	✓	✓	✓	✓
Lighting and small power	✓	✓	✓	✓	✓
Earthing and lightning protection	✓	✓	✓	✓	✓

06 · DELIVERY PROCESS

Six steps from drawings to a safely energised system.

01 — Survey
Site check and load review.

02 — Drawings
Single-line diagrams and layouts.

03 — Approvals
Consultant and utility submittals.

04 — Supply
Boards, cables and accessories.

05 — Install & Test
Insulation and continuity tests.

06 — Energise & Handover
Certificates and as-builts.

07 · TECHNICAL RESOURCES

A dedicated Electrical team.

FUNCTION	ROLES
Engineering	Electrical engineers
Projects	Project managers and site supervisors
Technical	Electricians and panel wiremen
Testing	Insulation, continuity and earthing test team
Estimation	Estimators and quantity surveyors
QHSE	Safety officers and QA/QC inspectors

Quality, health, safety & environment

Inspection & test plans
Witnessed tests and signed records on every project.

Approved materials
Submittals approved before procurement.

Site safety
Safety plan, toolbox talks and permit-to-work.

Continuous improvement
Corrective actions and lessons learned at close-out.

08 · MANUFACTURERS

Switchgear, cable and wiring-device brands we supply and install.

The final make follows the project's approved vendor list.

Schneider Electric	ABB	SIEMENS	legrand
hagergroup	EATON Powering Business Worldwide	الفنار alfanar	RIYADH CABLES GROUP

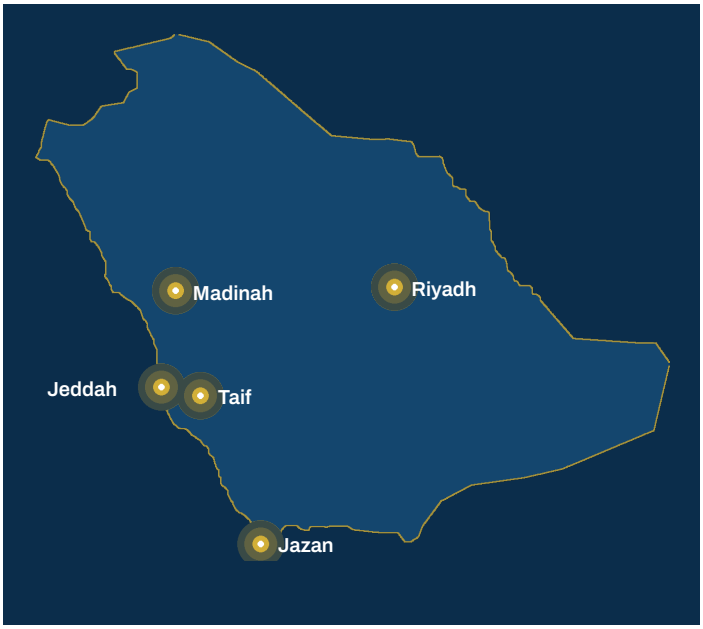
09 · SECTORS WE SERVE

Built for the buildings our clients run.

SECTOR	TYPICAL SCOPE
Banking & Offices	Power, lighting and UPS circuits for branches.
Retail & Malls	Distribution and lighting for large floor areas.
Industry & Factories	Power distribution for production lines.
Warehouses & Logistics	High-bay lighting and power for storage halls.
Healthcare	Reliable power for critical areas.
Education & Hospitality	Power and lighting for classrooms and rooms.

10 · KINGDOM-WIDE COVERAGE

Electrical works in every region of the Kingdom.



Teams operating from Riyadh, Jeddah, Madinah, Taif and Jazan deliver and maintain electrical installations across all 13 regions.

Riyadh · Jeddah · Madinah · Taif · Jazan

11 · SELECTED CLIENTS

Trusted by 100+ clients across the Kingdom.

alrajhi bank · Bank Albilad · SNB الأهلي · Abdul Latif Jameel · TOYOTA · CHANGAN AUTO
Babgi · Saudi Arabian Cement Group · اسمنت العربية Arabian Cement · اسمنت أم القرى Umm Al Qura Cement · LuLu · الطازج
عبد الصمد القرشي Abdul Samad al Qurashi · Jeddah Hilton · BOUDL HOTELS & RESORTS · فقيه أكواريوم Fakieh Aquarium · ناقل اكسبرس · مصنع ألف نون للرخام ALIF NOON MARBLE FACTORY
باك كير PACK CARE · علي كيفك ALI KAIFAK · مياه روز ROSE WATER · مياه سما SAMA WATER

References are available on request.

12 · ONE COMPANY, EVERY SERVICE

Part of an integrated MEP contractor.

Electrical works is one of six services MECHNEX delivers. Power for fire pumps, alarm panels, HVAC and security is coordinated by one team, under one contract.

01 Fire Protection	02 CCTV & Security	03 HVAC & Ductwork
04 Electrical Works	05 Plumbing Works	06 Maintenance & O&M

13 · REGISTRATIONS & DOCUMENTS

Qualification documents.

MECHNEX holds the registrations and approvals required for its scope of work. Certified copies are submitted with the pre-qualification file or on request.

DOCUMENT	AVAILABILITY
Commercial Registration	On request
Contractor classification	On request
VAT registration (ZATCA), Zakat and GOSI certificates	On request
Chamber of Commerce membership	On request
Saudi Council of Engineers registrations	On request
Manufacturer authorisation letters	On request

14 · CONTACT

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