MECHNEX
ENGINEERING & CONTRACTING

POWER · LIGHTING · CONTAINMENT

# Power that is safe, clean and reliable.

Electrical Works Profile · 2026

AN AL-RIFAI GROUP COMPANY  KINGDOM OF SAUDI ARABIA

ABOUT THIS PROFILE

# Low-voltage electrical works for every type of building.

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

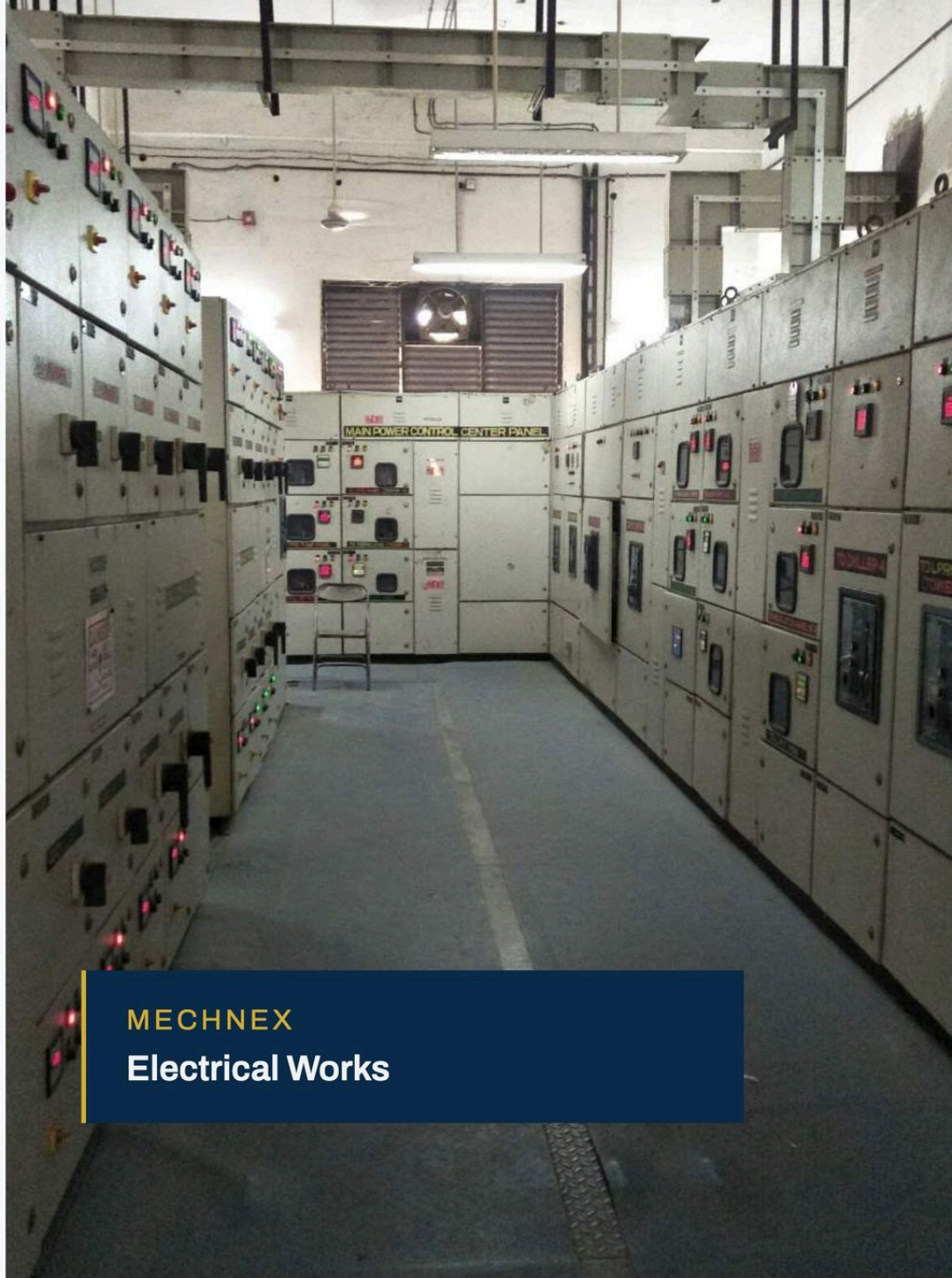
We work from approved drawings, test every circuit before energising and hand over with test certificates and as-built records.

LV Distribution

Lighting & Power

Containment

Earthing & Lightning



ELECTRICAL AT A GLANCE

# Electrical works, from board to socket.

**100+**

**Clients served**

Across commercial, industrial and public buildings

**13**

**Regions covered**

Every administrative region of the Kingdom

**6**

**System types**

Switchgear, boards, cabling, lighting and earthing

**100%**

**Circuits tested**

Before every energisation

**Specialised electrical engineers and technicians**

DESIGN · SUPPLY · INSTALL · MAINTAIN

WHAT WE DELIVER

# Six electrical systems, installed and tested.



01

## LV switchgear



02

## Distribution boards



03

## Cable containment



04

## Power cabling



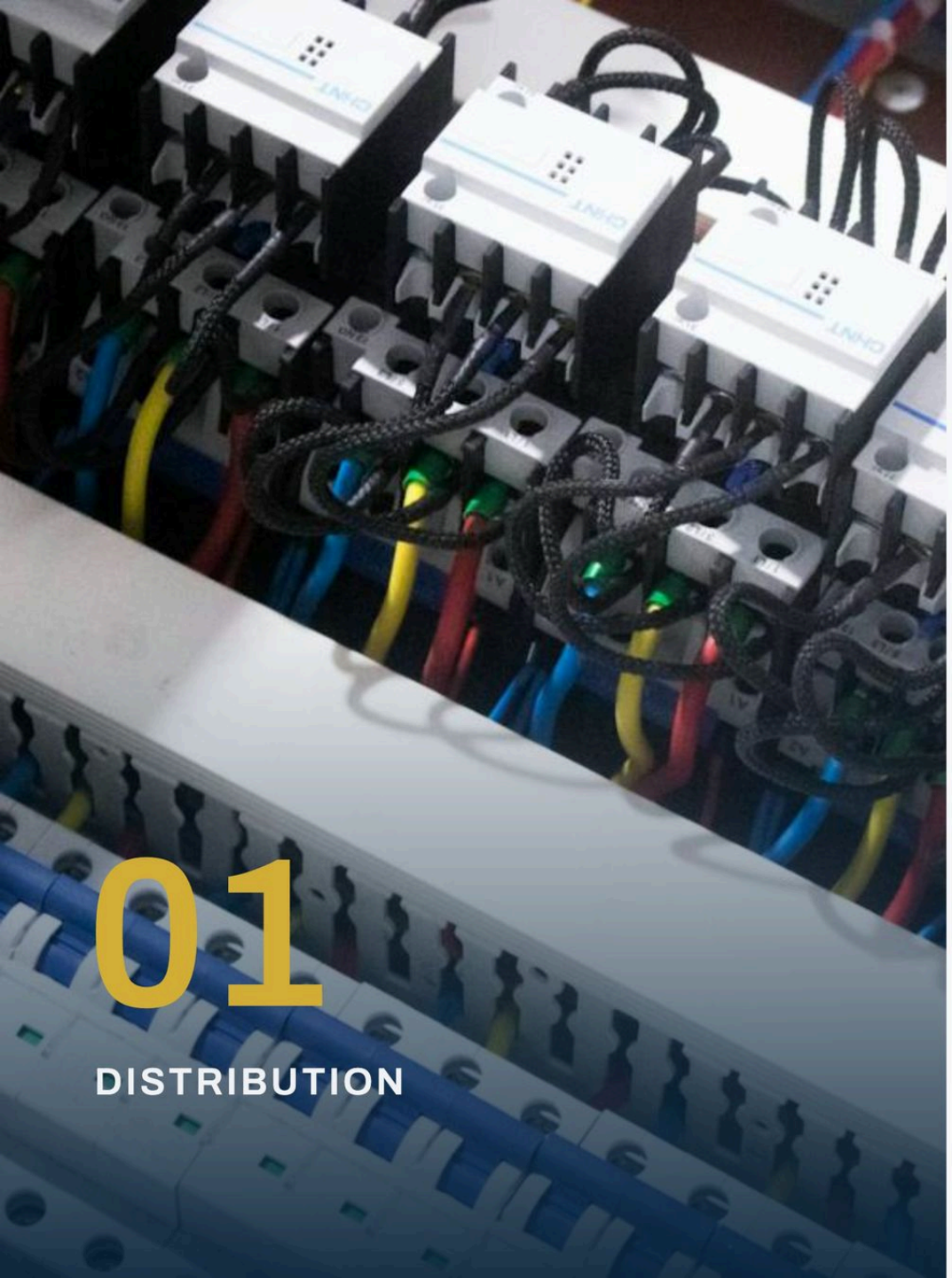
05

## Lighting



06

## Protection devices



01

DISTRIBUTION

POWER

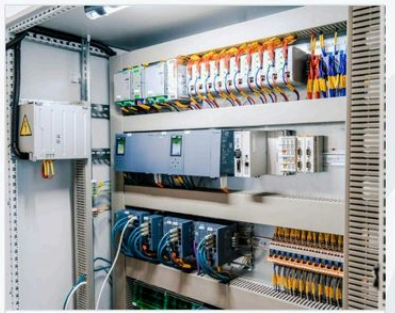
# Power Distribution

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



Protection devices



Distribution board



LV switch room



02

INSTALLATION

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



Cable trays



Cable installation



Lighting installation

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 |

FROM START TO HANDOVER

# 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.

**One point of contact, from survey to handover.**

DESIGN · SUPPLY · INSTALL · MAINTAIN

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 | ✓ | ✓ | ✓ | ✓ | ✓ |




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.

## OPERATING CITIES

- Riyadh
- Jeddah
- Madinah
- Taif
- Jazan

SECTORS WE SERVE

# Built for the buildings our clients run.

01

### Banking & Offices

Power, lighting and UPS circuits for branches.

02

### Retail & Malls

Distribution and lighting for large floor areas.

03

### Industry & Factories

Power distribution for production lines.

04

### Warehouses & Logistics

High-bay lighting and power for storage halls.

05

### Healthcare

Reliable power for critical areas.

06

### Education & Hospitality

Power and lighting for classrooms and rooms.

**Every system designed around how the building is used.**

SURVEY · DESIGN · INSTALL · MAINTAIN

BRANDS WE SUPPLY & INSTALL

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
























OUR CLIENTS

# Trusted by 100+ clients across the Kingdom.



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**

Ask for the MECHNEX main company profile, or the profile of any service above.

WHY MECHNEX

# Why clients choose us for electrical works.

**01**

### Safety first

Every circuit tested before energising.

**02**

### Coordinated

Power for every building service planned together.

**03**

### Clean installs

Neat containment that is easy to maintain.

**04**

### Documented

Test certificates and as-built drawings.

TRUSTED BY



MECHNEX
ENGINEERING & CONTRACTING

GET IN TOUCH

# Let’s power your project.

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