



شركة مالك الريادة المحدودة
MALEK AL-RIYADEH COMPANY LTD

COMPANY PROFILE · 2026

Malek Al-Riyadeh

Company Ltd

Power-system studies
Testing & commissioning
Maintenance · Automation
Turnkey · LV panels

MAIL EDITION



CALL

+966 11 419 3447

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WEB

www.malek-alriyadeh.com

HEAD OFFICE

Qortoba District, Riyadh

From study to energisation — and afterwards

A Saudi electrical-engineering company serving utility, industrial, infrastructure, healthcare, commercial and data-centre clients.

GENERAL MANAGER'S MESSAGE

Malek Al-Riyadeh was established to provide practical electrical-engineering support from study and design through testing, commissioning, maintenance and handover.

Our teams combine verified calculations, competent field execution, calibrated instruments and clear records — so our clients can make confident decisions about their critical power systems.

General Manager

MISSION

To deliver safe, technically sound and responsive electrical solutions that connect engineering analysis with disciplined site execution — understanding the operating need, completing the agreed scope, documenting the result and supporting the client through commissioning and service.

VISION

To be a trusted Saudi partner for reliable electrical engineering, testing, automation, turnkey delivery and LV manufacturing — recognised for practical judgement, transparent documentation and long-term client support.

At a glance

Field capability up to 33 kV, an owned calibrated laboratory and a Riyadh LV panel factory.

500+

Relays tested & commissioned

500+

Transformers tested

100+

Power-system studies delivered

500+

MVA energised

33 kV

Field capability

24/7

Emergency support

HEAD OFFICE

Qortoba District, Riyadh

CERTIFIED

ISO 9001 · 14001 · 45001 · 50001

FACTORY

Al-Mashaal District, Riyadh

REGISTRATION

CR 1009022096 · UN 7035903686



Six disciplines, one accountable team

Each discipline is backed by project references later in this profile.

01

Engineering & Power Studies

ETAP studies, protection coordination, settings, SLDs, calculations and design support.

02

Testing & Commissioning

MV and LV assets to 33 kV, primary/secondary injection, settings upload and energisation records.

03

Maintenance & Reliability

Preventive, corrective and diagnostic work for critical electrical assets, with 24/7 response.

04

Automation & Control

PLC, DCS and SCADA engineering, panel build, FAT, SAT and commissioning.

05

Turnkey Electrical Contracting

MV/LV distribution, substations, generation, earthing and complete handover.

06

LV Switchboard Manufacturing

Schneider Electric Riser Partner. Design, assembly and FAT in our Riyadh factory.

Trusted by utilities, contractors and critical facilities

Selected clients, main contractors and OEMs we have worked with across the Kingdom.

Utilities & water

NWC, SEC, Saudi Water Authority, Alkhorayef

Data centres

EDGNEX, Data Link, telecom and colocation operators

Healthcare

AMAD Hospital, Al Dara Hospital, Al-Taeif Hospital

Industry & food

NADEC, ARASCO, Amiantit, INDIPCO, Lafarge

Giga-projects & real estate

KAFD, Diriyah (FEMCO), Qiddiya

Government & palaces

National Guard, Ministry of Justice, royal palaces



Engineering project references

Selected power-system study, calculation and protection-engineering assignments.

PROJECT / CLIENT	ENGINEERING SCOPE	SYSTEM
KAFD Zone 2	Power-system studies and network modelling	MV/LV
Setraa Al Amal	Power-system studies; DC and heat-dissipation calculations	MV
Tabuk Hospital	Power-system studies	MV/LV
Mena Royal Palace	MV overcurrent (phase/ground) coordination	MV
Safa Royal Palace	MV overcurrent (phase/ground) coordination	MV
KAFD 1.14 • Riyadh Bank	Overcurrent coordination	MV/LV
VIA Riyadh	Load and voltage-drop calculations	LV
ALSAFA Palace	Load-flow and short-circuit study	MV/LV

EVERY STUDY IS ISSUED AS

An implementable package, not just a printout

- Basis and data register
- Validated network model
- Study calculations
- Relay-settings package
- Design schedules
- Issued report with revision history

Testing & commissioning up to 33 kV

Inspection, testing, settings verification, functional proving and controlled handover for LV and MV systems.



Primary equipment

- MV switchgear and RMU: IR, contact resistance, timing, interlocks
- Transformers: ratio, vector group, winding resistance, IR and PI
- CT/VT: ratio, polarity, burden, excitation, knee point
- MV cables: continuity, phase ID, IR, VLF and sheath tests
- Generators, ATS, synchronising, earthing and lightning protection
- LV assemblies: insulation, breaker settings and functions

Protection & handover

- Primary and secondary injection with trip-circuit proving
- Relay logic, intertrips, blocking, alarms and annunciation
- SCADA, PLC, remote I/O, metering and communication checks
- Approved settings upload and as-left capture
- FAT/SAT, witness points and punch-list close-out
- Signed test sheets, calibration records and commissioning dossier

King Abdullah Financial District

Multi-package testing, studies and transformer replacement at KAFD.



KAFD ZONE 2 • RIYADH • 13.8 KV • 2022–2025

King Abdullah Financial District

MV switchgear, RMU/MRMU, transformers, cables, earthing and lightning-protection testing across 10+ construction packages (Baytur / Albawani), followed by engineering studies.

Result One common ITP and evidence format used across every package.



KAFD P6.22 • RIYADH • 13.8 KV • 2024

3150 kVA dry-type transformer replacement

Removal of the damaged unit, supply and installation of a new 3150 kVA, 0.4/13.8 kV dry-type transformer, testing and commissioning.

Result Transformer replaced and energised.

Data centres & critical facilities

Maintenance programmes where downtime is not an option.



FM contractor — data centres

MV/LV • 2025-ONGOING

Preventive maintenance, live thermography and scheduled inspections, with condition records linked to each asset and reading.

EDGNEX & telecom data centres

RIYADH • DAMMAM • JEDDAH • 2025-2026

Preventive and corrective maintenance of MV/LV distribution, UPS and critical boards, in approved maintenance windows.



International FM provider — 18 sites

MV PM PROGRAMME • 2026

Multi-site MV preventive maintenance programme with per-site reports and asset labelling.

JDC55 & Data Link

DATA CENTRES / BANKING • 2024-2026

Electrical site works followed by UPS bypass-panel and ANB panel engineering and supply.

Our LV switchboard factory

Engineering, fabrication, assembly, routine testing and FAT of LV assemblies in Al-Mashaal, Riyadh — built and commissioned by one team.



MDB / EMDB



**SMDB & final
DBs**



**PFC / capacitor
banks**



ATS panels



**Generator
synchronising**



**Control &
protection**



**MCC & motor
control**



**PLC / SCADA
panels**

PARTNER

Schneider Electric Riser Partner

DESIGN

EPLAN Pro Panel

PRODUCTION

CNC busbar processing and enclosure fabrication

QUALITY

Routine inspection and FAT before dispatch

Schneider Electric panel builder

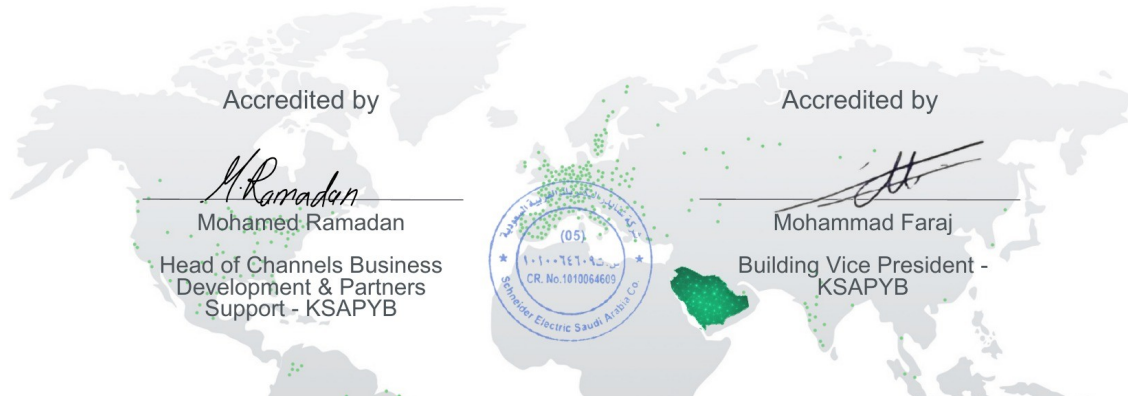
Recognised under the Schneider Electric Panel Builder Development Programme as a Riser Partner.

Schneider Electric acknowledges that

Malek Al-Riyadeh Company LTD



has undergone relevant trainings on Schneider Electric products under the **panel builder development program** for employing Electrical and Controls products in **Non-Type Tested** to be manufactured and sold in the territory of the **Kingdom of Saudi Arabia**. This certificate is valid until **31-March-2027**.



Schneider Electric • PO Box 89249, Riyadh 11682 • KSA • Phone: +966 11 291 2877



RISER PARTNER

Trained and recognised to build with Schneider Electric products

- Trained on Schneider Electric electrical and controls products
- Recognised to manufacture and sell non-type-tested assemblies in the Kingdom of Saudi Arabia
- Panels designed in EPLAN Pro Panel and factory-tested before dispatch

Valid until **31 March 2027**

Protection, CT/VT & breaker testing

Owned, calibrated instruments for relay, CT/VT and circuit-breaker testing.



OMICRON · PRIMARY TEST SYSTEM CPC 100

Primary test system for CT, VT and transformer ratio, excitation and winding resistance, plus primary injection.



MEGGER · RELAY TEST SET SVERKER 900

Three-phase relay and substation test set for secondary injection, protection-scheme proving and trip-time measurement.



KOCOS · RELAY TEST SYSTEM ARTES RC3

Rugged universal protection-relay test system for overcurrent, distance, differential and motor protection, indoors or out.



HIGH-CURRENT TEST SET Primary injection

High-current injection through the primary circuit to prove CT polarity, protection operation and complete trip paths.



CT / VT TESTING CT analyzer

Ratio, polarity, excitation (knee-point) curve, winding resistance and burden tests on protection and metering CTs.



MEGGER · BREAKER ANALYZER EGIL

Timing, contact travel and coil-current analysis of MV circuit-breaker open, close and close-open operations.



MEGGER · MICRO-OHMMETER MOM690

High-current contact-resistance measurement on breaker main contacts, busbar joints and bolted connections.



MEGGER · OHMMETER DLRO 200

Digital low-resistance ohmmeter with up to 200 A test current for breaker contacts, busbars and joints.

Transformer, cable & insulation testing

Owned, calibrated instruments for winding, withstand and insulation testing up to 33 kV.



VANGUARD · TURNS-RATIO TESTER
TRF-100

Three-phase turns-ratio testing with automatic vector-group detection across 67 ANSI, IEC and AS transformer types.



MEGGER · WINDING ANALYZER
MWA300

Winding resistance, turns ratio, magnetising current and on-load tap-changer dynamic tests on power transformers.



SONEL · MICRO-OHMMETER · ×2
MMR-6500

Portable micro-ohmmeter for contact, joint and winding resistance on switchgear, transformers and bonding.



HVI · AC/DC HIPOT
PFT-503 CM

AC/DC dielectric-withstand (hipot) testing of switchgear, breakers, busducts and insulators.



B2 ELECTRONICS · VLF TEST SET
HVA60

Very-low-frequency high-voltage withstand testing of MV cables after installation, jointing or repair.



MEGGER · INSULATION TESTER
10 kV insulation tester

Insulation resistance, polarisation index, DAR and step-voltage tests on cables, motors and transformers.



FLUKE · 10 kV INSULATION TESTER
Fluke 1555

High-voltage insulation diagnostics with PI, DAR and ramp tests, plus remote control for safer testing.



KYORITSU · 5 kV INSULATION · ×2
KEW 3125A

Digital insulation testing at 500 V to 5 kV for LV and MV cables, panels and motors, with PI and DAR.

Earthing, LV, diagnostics & power quality

Owned, calibrated instruments for earthing, LV, live diagnostics and network analysis.



MEGGER · EARTH TESTER
DET4TC2

Earth-electrode resistance by fall-of-potential, soil resistivity and stakeless clamp-on measurements.



MEGGER · MULTIFUNCTION TESTER
MFT1835

LV installation testing: insulation, continuity, loop impedance, RCD and earth tests to IEC 60364.



EA TECHNOLOGY · PD TESTER · ×2
UltraTEV Plus²

Partial-discharge screening of live MV switchgear and terminations using TEV and ultrasonic sensing.



FLUKE · THERMAL IMAGER · ×2
Ti300U

Professional infrared camera for live thermographic surveys of switchgear, busbars, cables and connections.



THERMOGRAPHY
Thermal camera

Compact thermal imager for routine hot-spot checks during preventive-maintenance rounds.



FLUKE · PQ ANALYZER
Fluke 1775

Class A three-phase analysis of harmonics, flicker, unbalance, dips and swells, with event capture.



FLUKE · POWER LOGGER
Fluke 1735

Three-phase load, energy and demand logging for capacity checks and before-and-after studies.



CHAUVIN ARNOUX · LOGGER
PEL103

Long-term power and energy recording on LV boards to profile consumption and loading.

Approved vendor with

Registered vendor or approved subcontractor. Registration numbers are supplied with tender documents.



National Water Company



Saudi Electricity Company



Water Transmission & Technologies Co.



Alkhorayef Water & Power Technologies



Saudi Binladin Group



Al Bawani



Kabbani Construction Group

Certified management systems

Integrated ISO certification across quality, environment, health & safety and energy, plus our municipal services classification.



ISO 9001:2015
Quality



ISO 14001:2015
Environment



ISO 45001:2018
Health & safety



ISO 50001:2018
Energy

ONE INTEGRATED MANAGEMENT SYSTEM

Quality, environment, occupational health & safety and energy management certified together. Recertification due December 2027.

شهادة تصنيف مقاييس خدمات المدن تحت إشراف الهيئة العامة للغذاء والدواء لشركة مالك الريادة المحدودة					
رقم الشهادة	رقم التصنيف	رقم الترخيص	تاريخ إصدار الشهادة	تاريخ انتهاء الشهادة	ملاحظات
7015003686	26/04/2024	26/04/2024	26/04/2024	26/04/2024	
رقم الشهادة	رقم التصنيف	رقم الترخيص	تاريخ إصدار الشهادة	تاريخ انتهاء الشهادة	ملاحظات
2025000950	1	26/01/2025	26/01/2025	26/01/2025	
رقم الشهادة	رقم التصنيف	رقم الترخيص	تاريخ إصدار الشهادة	تاريخ انتهاء الشهادة	ملاحظات
91.5	BBB	91.5	91.5	91.5	
91.5	BBB	91.5	91.5	91.5	

Municipal services classification

Certificate	2025000950
Grade	BBB
Evaluation	91.5
Fields	Construction; O&M
Valid to	26 January 2027



Let's power your next project

Quotations, technical consultation and 24/7 emergency support.

CALL

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+966 58 002 1254 (WhatsApp)

WRITE

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