MECHNEX
ENGINEERING & CONTRACTING

GENERAL PRE-QUALIFICATION · 2026

Technical Capability Statement

CCTV & Security Systems

MECHNEX designs, supplies, installs and maintains CCTV and security systems for offices, retail, industry and public buildings across the Kingdom.

IP CCTV | PTZ & Dome Cameras | Recording & Storage | Control Rooms

01 · OVERVIEW

Security systems designed around how each space is used.

MECHNEX designs, supplies, installs and maintains CCTV and security systems for offices, retail, industry and public buildings across the Kingdom.

We plan camera positions, fields of view and recording capacity with the client, then install, configure and hand over a system the operators can use from day one.

100+	13	6	24/7
Clients served	**Regions covered**	**System types**	**Recording**
Across banking, retail, industry and education	Every administrative region of the Kingdom	Cameras, recording, monitoring and cabling	Systems designed for continuous operation

Profile

ITEM	DETAIL
Company	MECHNEX Engineering & Contracting — an Al-Rifai Group company
Service line	CCTV & Security Systems
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

Planned coverage
Every camera placed for a clear purpose.

Integrated
Designed with fire, electrical and network works.

Ready to operate
Configured, tested and handed over with training.

Supported
Maintenance and support after handover.

02 · WHAT WE DELIVER

Six security systems, one integrated design.



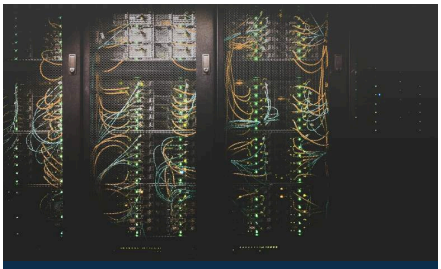
01 IP cameras



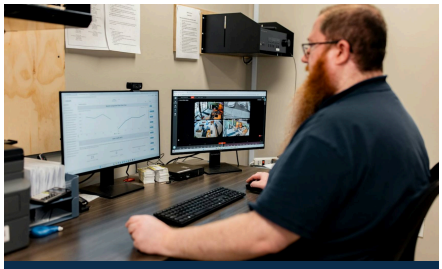
02 PTZ dome cameras



03 Bullet cameras



04 Recording & storage



05 Control rooms



06 Network & cabling

03 · DESIGN CONSIDERATIONS

What we engineer into every system.

CONSIDERATION	HOW WE ADDRESS IT
Coverage	Camera positions and fields of view planned against a site layout.
Image quality	Resolution chosen for identification, recognition or observation.
Retention	Storage sized for the recording period the client requires.
Network	Dedicated switching, PoE budgets and secure configuration.
Power	UPS backup for cameras, recorders and network equipment.
Handover	Configuration records, user training and as-built drawings.

04 · CAPABILITIES IN DETAIL

How we deliver each system.

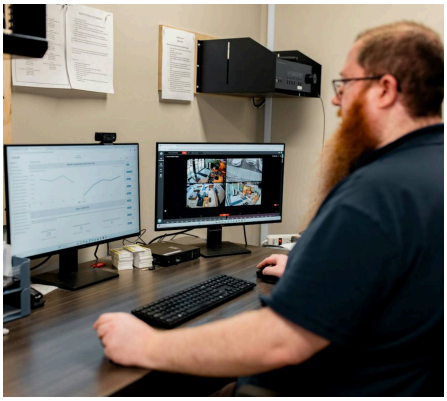


SURVEILLANCE

Surveillance Cameras

The right camera in the right place: coverage planned for identification, recognition and general observation.

- IP and analogue cameras
- PTZ, dome and bullet
- Indoor and outdoor rated
- Night vision and IR
- Vandal-resistant housings
- Coverage and FOV design



RECORDING & CONTROL

Recording, Monitoring & Networks

Recording, storage and control rooms sized for the number of cameras and the retention the client needs.

- NVR and VMS platforms
- Storage and retention sizing
- Video walls and workstations
- Network switches and PoE
- Structured cabling
- Remote and mobile viewing

05 · SCOPE OF CAPABILITY

Full life-cycle delivery for every system.

SYSTEM	DESIGN	SUPPLY	INSTALL	TEST & COMMISSION	MAINTAIN
IP and analogue cameras	✓	✓	✓	✓	✓
PTZ and dome cameras	✓	✓	✓	✓	✓
Recording and storage	✓	✓	✓	✓	✓
Control rooms	✓	✓	✓	✓	✓
Network and cabling	✓	✓	✓	✓	✓

06 · DELIVERY PROCESS

Six steps from survey to a working control room.

01
Site Survey
Walk-through, risks and camera points.

02
Design
Layouts, FOV and storage sizing.

03
Approval
Client and consultant sign-off.

04
Supply
Cameras, recorders and network.

05
Install & Configure
Cabling, mounting and programming.

06
Handover
Training, records and support.

07 · TECHNICAL RESOURCES

A dedicated CCTV & Security team.

FUNCTION	ROLES
Engineering	Security systems and network engineers
Projects	Project managers and site supervisors
Technical	CCTV, cabling and network technicians
Configuration	VMS / NVR programming and commissioning
QHSE	Safety officers and QA/QC inspectors
Support	Maintenance and support crews

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

Camera, recording and network brands we supply and install.

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

HIKVISION · dahua TECHNOLOGY · AXIS COMMUNICATIONS · BOSCH · Hanwha Vision · UNV Uniview Technologies · milestone · CISCO

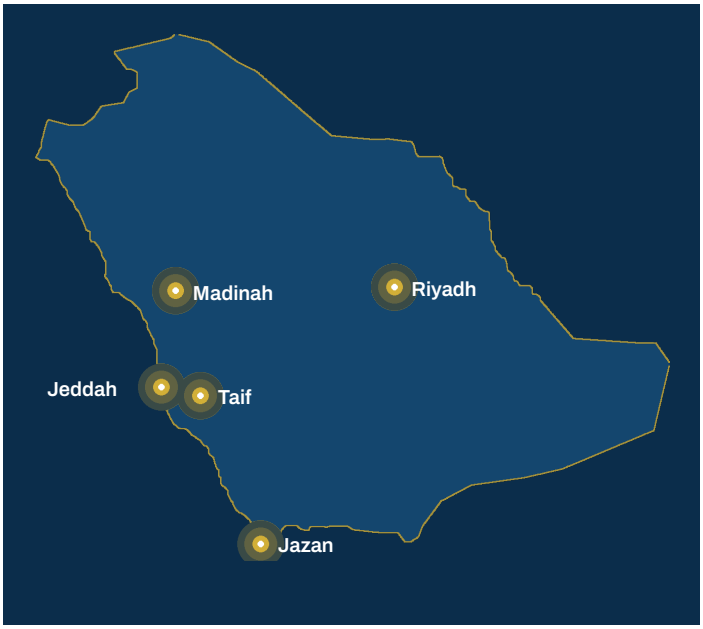
09 · SECTORS WE SERVE

Built for the buildings our clients run.

SECTOR	TYPICAL SCOPE
Banking & Offices	Cameras for branches, ATMs and offices.
Retail & Malls	Coverage for entrances, halls and car parks.
Industry & Factories	Perimeter and process monitoring.
Warehouses & Logistics	Yard, dock and loading-bay coverage.
Healthcare	Monitoring for wards, entrances and pharmacies.
Education & Hospitality	Campus and guest-area monitoring.

10 · KINGDOM-WIDE COVERAGE

Security systems in every region of the Kingdom.



Teams operating from Riyadh, Jeddah, Madinah, Taif and Jazan deliver and maintain security systems 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 Binladin Group · اسمنت العربية Arabian Cement · 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.

CCTV and security is one of six services MECHNEX delivers. The same team can deliver your fire, HVAC, electrical, plumbing and maintenance works 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

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