

ENGINEERING / INTEGRATION / TECHNOLOGY

Engineering the systems within.



ILLUSTRATIVE ENGINEERING IMAGERY

Integrated engineering. Intelligent buildings. Lasting value.

A coordinated approach to infrastructure, movement, security, automation and specialist building technology.

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Built on experience. Focused on what comes next.



ILLUSTRATIVE ENGINEERING IMAGERY

HYTK Electromechanical Contracting is a UAE-based engineering company delivering integrated electromechanical, vertical transportation, security, automation and building-technology solutions.

Our work starts with the existing condition and required outcome. We coordinate interfaces, select maintainable technologies and carry a defined scope through procurement, installation, testing, commissioning and handover.

Integrated thinking. Lifecycle focus. Clear accountability.

Supporting commercial and residential, hospitality, cultural, public-sector, facilities-management and industrial environments.

02 / VERTICAL TRANSPORTATION

Safe movement. Lasting reliability.



ILLUSTRATIVE ENGINEERING IMAGERY

Lift and escalator solutions for new installations, modernization and ongoing support.

- Passenger and service lifts; cabins and fixtures
- Controller upgrades and component replacement
- Preventive maintenance and annual maintenance contracts
- Testing, commissioning and handover

03 / ELECTROMECHANICAL SYSTEMS

The infrastructure behind performance.



ILLUSTRATIVE ENGINEERING IMAGERY

Coordinated electrical, mechanical and power infrastructure that supports daily building operations.

- LV distribution, panels, power supplies and controls
- HVAC, plumbing and drainage
- Generator and automatic transfer switch integration
- Plant-room interfaces, testing and upgrades

04 / ELV & SECURITY

Connected protection. Practical control.



ILLUSTRATIVE ENGINEERING IMAGERY

Security systems that connect surveillance, access and supporting infrastructure for maintainable day-to-day operation.

- CCTV, video management and recording
- Access control, identity and intercom
- Structured cabling and network infrastructure
- Security-system integration and commissioning

Intelligence with operational impact.



ILLUSTRATIVE ENGINEERING IMAGERY

Open and manufacturer-specific control platforms to restore, modernize and integrate building functions.

- KNX systems and ETS programming
- DALI lighting scenes, sensors and control logic
- BMS, HVAC and energy-management interfaces
- Rectification, functional testing and recommissioning

Bring spaces to life.



ILLUSTRATIVE ENGINEERING IMAGERY

Integrated media and experience technology for cultural, hospitality and specialist environments.

- LED displays, projection and projection mapping
- Professional and networked audio
- Meeting-room and presentation AV
- Interactive experiences, calibration and commissioning

Preserve performance. Extend value.



ILLUSTRATIVE ENGINEERING IMAGERY

Preserve serviceable infrastructure while replacing what has become unreliable, obsolete or unsupported.

- Annual maintenance contracts and diagnostics
- Targeted retrofit and system upgrades
- Obsolescence and spare-parts planning
- Troubleshooting and long-term support

Selected for the application.



ILLUSTRATIVE ENGINEERING IMAGERY

Video & security

Hikvision, Dahua, Hanwha Vision, Bosch

Automation & lighting

Siemens, Schneider Electric, KNX, DALI

Power & generation

Cummins, CAT / Caterpillar, Perkins

Electrical distribution

ABB, Schneider, Siemens, Eaton, Legrand

HVAC & building services

Daikin, Carrier, Trane, Danfoss

Networking & ICT

Huawei, Cisco, Aruba

Access control

Hikvision, ZKTeco, Bosch, Honeywell

Professional AV

JBL, Crown, Dante, Lightware, 7thSense

Vertical transportation

OTIS, KONE, Schindler, Mitsubishi Electric, TK Elevator

Detection & screening

Garrett, Smiths Detection

Preferred or technically supported ecosystems, not a claim of authorized dealership or exclusive partnership. Final selection is subject to project requirements, compatibility and approvals. KNX and DALI are standards.

09 / TENDER SOLUTION

Kalba Heritage Museum



ILLUSTRATIVE ENGINEERING IMAGERY

Integrated media, immersive displays, automation and ELV brought together in a coordinated tender solution.

- Immersive display and integrated media systems
- Professional audio and networked-audio coordination
- KNX / DALI lighting and automation interfaces
- Security, access control and ICT infrastructure
- Equipment compatibility and procurement coordination

Residence 1072



ILLUSTRATIVE ENGINEERING IMAGERY

Security systems covering CCTV and access control, alongside Schneider Electric KNX rectification and recommissioning.

- CCTV security systems
- Access-control systems and modernization
- Review of existing security devices, networks and interfaces
- Schneider Electric KNX rectification
- ETS programming and functional checks
- Recommissioning and handover coordination

Early Childhood Authority Emergency power generation



ILLUSTRATIVE ENGINEERING IMAGERY

Emergency power generation: generator and ATS supply, installation and commissioning.

- Generator supply
- Automatic transfer switch (ATS) supply
- Generator and ATS installation
- Testing and commissioning of the generator and ATS

From technical review to handover.



ILLUSTRATIVE ENGINEERING IMAGERY

01 Understand

Requirements, existing conditions and interfaces.

02 Engineer

Solutions, schedules, drawings and submittals.

03 Procure

Approved equipment, lead times and logistics.

04 Install

Work fronts, services and specialist trades.

05 Integrate

Controls, networks, security and media systems.

06 Handover

Testing, commissioning and documentation.

Start with a conversation.

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