EDITION 01

2026

حلول تكّـه

TAKKAH SOLUTIONS

Company Profile

Smart city infrastructure, from the district network down to the room.

RIYADH, SAUDI ARABIA

WWW.TAKKAHSOLUTIONS.SA

POWERING THE UNSEEN

TAKKAH SOLUTIONS



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About Takkah Solutions

Takkah Solutions is a Saudi technology company specializing in smart cities. We build the connected and intelligent infrastructure that enables cities to operate more efficiently, securely, and sustainably. From connectivity and smart infrastructure to security, access, IoT, and data-driven solutions, we bring technologies together on one platform.



SECTION 02

Smart Cities

The city, not a single project, is the scale we design for. Takkah Solutions brings together smart infrastructure, connectivity, mobility, utilities, security, environmental solutions, IoT, and digital services into one intelligent and connected ecosystem. Our platform enables cities to operate more efficiently, sustainably, securely, and intelligently.

Smart Infrastructure and Connectivity

Connected infrastructure, IoT, communication networks, and intelligent systems that enable seamless city operations.

Utilities and Resource Management

Smart solutions for power, energy, and other essential resources, improving efficiency, visibility, and sustainability.

Safety and Environmental Intelligence

Integrated solutions for security, emergency response, environmental monitoring, and real-time situational awareness.

Digital and City Operations

Connected platforms that bring systems, assets, data, and services together to support smarter decision making and more efficient operations.

CITY SYSTEMS

THE SYSTEMS WE CONNECT ACROSS THE CITY

01

Mobility and Transportation

GPS car tracking, traffic management, smart signals, road monitoring, and shared mobility.

02

Parking and Electric Vehicles

Smart parking, digital payments, EV charging, and parking guidance.

03

Energy and Smart Grid

Energy monitoring, demand management, and battery storage.

04

Environment and Air Quality

Air quality monitoring, noise monitoring, climate data, and pollution alerts.

05

Public Safety

Emergency response, surveillance, disaster management, and alerts.

06

Connectivity and Telecommunications

Fiber networks, GSM boosters, public Wi-Fi, IoT networks, and connected infrastructure.

07

Smart Buildings and Facilities

Building automation, occupancy monitoring, energy efficiency, and facility management.

08

Control Room and City Operations

A unified platform for monitoring systems, coordinating departments, and responding to incidents.

09

Smart Lighting

Adaptive brightness, fault reporting, and consumption tracked pole by pole.

10

Waste Management

Fill level sensing so collection routes follow real demand, not a fixed timetable.

VISION | MISSION | VALUES

OUR VISION

A future where cities respond intelligently to the people within them. We connect urban automation, digital networks, and smart infrastructure to create cleaner, safer, and more efficient cities.

OUR MISSION

To transform how cities work for the people who live in them. Through integrated smart infrastructure, we make urban environments, neighbourhoods, campuses, and buildings more efficient, secure, and genuinely sustainable.

- ✓ Precisely Engineered
- ✓ Seamlessly Integrated
- ✓ Genuinely Serviceable

OUR GOALS

01 Cities That Respond

Develop urban technology that turns conventional cities into responsive, connected environments aligned with the expectations of a digital economy.

02 Security You Can Verify

Provide smart security and monitoring across public spaces and buildings, giving city operators and residents greater visibility, confidence, and control.

03 Energy That Is Measured

Deliver practical ways to rationalise consumption at city, block, and building level, supporting national sustainability targets with savings that show up on the bill.

04 Digital Transformation

Enable municipalities, developers, and operators to benefit from integrated digital infrastructure across the entire city, from resident applications and control rooms to the connected systems that support everyday urban life.

THE TAKKAH PLATFORM

One connected platform for the entire city, bringing together buildings, services, systems, and devices.

LAYER 01

Interface

Resident apps, wall panels, control room dashboards, and voice. The same controls wherever the user stands.

LAYER 02

Orchestration

Scenes, schedules, automations, and rules that let systems act together instead of separately.

LAYER 03

Analytics

Consumption, occupancy, and fault data from across the district, reported so operators can act on what they see.

LAYER 04

Security

Encrypted communication, role based access, and audit trails across every connected endpoint.

01
UNIFIED PLATFORM

08
SOLUTION FAMILIES

03
CITY SYSTEMS

24/7
MONITORING AND SUPPORT

The IoT Ecosystem

Every sensor, controller, and gateway we install reports into the same fabric. That is what allows a lit street, a commercial tower, and an entire residential district to be operated with the same tools.

Connectivity

Wi-Fi, Zigbee, Z-Wave, KNX, and wired bus protocols, selected per project rather than forced on it.

Edge Controllers

Local processing keeps scenes and safety logic running even when the internet link drops.

Cloud Services

Remote access, firmware updates, and long term reporting, hosted with regional data residency.

Automation Engine

Time, presence, weather, and street level sensor conditions combine into rules any operator can edit.

Integration Layer

Open APIs connect third party BMS, ERP, municipal, and property management platforms already in use.

Governance

Device identity, permission tiers, and logged actions, so responsibility is always traceable.

THE BUILT ENVIRONMENT



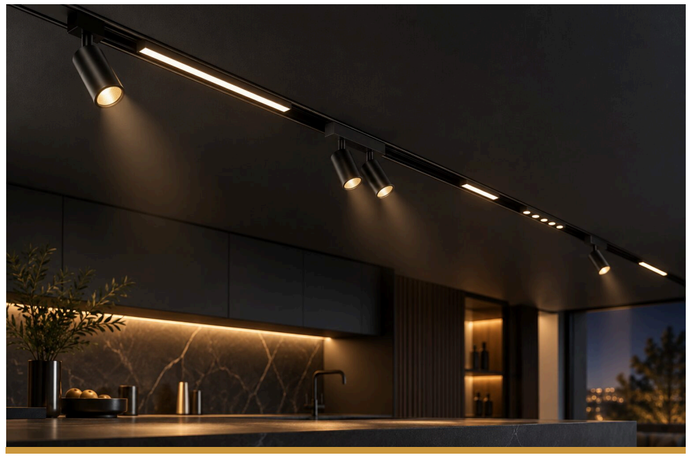
Residential Districts

Neighbourhoods, towers, and compounds where residents share one application for access, energy visibility, and layered security.



Commercial and Industrial

Business districts, retail, and plants where centralised management cuts waste, protects assets, and keeps operations measurable.



Hospitality

Hotels and serviced residences inside the city fabric, with room management, smart access, and energy control guests never think about.

Smart Applications

Eight families of solutions, deployed alone or together, across public spaces, buildings, or throughout the city.

01

Smart Lighting

Remote and scheduled control indoors and on the street, with daylight and presence response.

02

Climate Control

Zoned thermostats, occupancy aware setpoints, and HVAC integration across every floor and facility.

03

Access and Intercom

Fingerprint, card, code, and face recognition with temporary credentials and full logging.

04

Surveillance

Camera networks across streets and shared spaces with remote viewing, recording, and instant alerts.

05

Motorised Shading

Curtains and blinds driven by schedule, sun position, or a single voice command.

06

Audio Distribution

Multi zone sound for lobbies, amenities, and residences, with streaming and event linked playback.

07

Networks

Structured cabling, wireless access points, and managed coverage without dead zones, indoors or district wide.

08

Voice Control

Siri, Alexa, and Google Assistant integrated directly into the Takkah control layer.

DELIVERY MODELS

Three ways to build the same intelligence. The right one depends on the site, not the brochure.

01

Wired

MAXIMUM STABILITY

Bus-based control designed into the electrical drawings. The right solution for new developments, large floor plates, and infrastructure designed to operate for decades.

02

Wireless

FAST RETROFIT

Deployed into occupied buildings and active public spaces without opening walls. Ideal where the environment is finished and disruption must remain near zero.

03

Hybrid

MOST PROJECTS

Wired backbone for critical infrastructure, wireless at the edges. The practical choice for phased developments and mixed-use developments.



Why Takkah Solutions

01 Field experience from a Saudi and international team

02 Flexible systems that integrate with what you already own

03 Globally certified products, sourced and supported locally

04 Technology kept current, not frozen at handover

05 Scheduled maintenance and technical support after delivery



OUR CLIENTS

ORGANISATIONS WE HAVE DELIVERED FOR

الجامعة السعودية الإلكترونية
SAUDI ELECTRONIC UNIVERSITY
2011-1432

جادة

العجلان
ALAJLAN
REAL ESTATE العقارية

أولييت
OLATE
العقارية

شركة المستقبل الرقمية المتحدة
FUTURE DIGITAL UNITED

ISAMA

TECHNOLOGY PARTNERS

THE PLATFORMS AND MANUFACTURERS WE BUILD ON

GVS®

CREATROL SENSOR

akubela

ABB

aws

HIKVISION®

SONOS

Akuvox
Open A Smart World

NETx
AUTOMATION

AIRZONE

core

MOES®

NOVO

Let's build something that thinks.

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