



CONTEMPORARY
— SYSTEMS COMPANY —

PEOPLE | TECHNOLOGY | BETTER TOMORROWS

SMARTER SOLUTIONS
FOR A CONNECTED WORLD

1 OF 6

EMPOWERING INDUSTRIES WITH IoT

Integrated IoT Solutions for Smarter,
Safer and More Efficient Operations.

REAL ASSETS.
REAL INSIGHTS.
REAL IMPACT.



GREATER
EFFICIENCY



SAFER
WORKPLACES



A MORE
SUSTAINABLE
TOMORROW

THE
PHYSICAL
WORLD
CONNECTED
FOR A
BRIGHTER
TOMORROW



PEOPLE
SMART
SPACES
SMART
INDUSTRIES

SMART BUILDINGS
SMART INDUSTRIES
CONNECTED OPERATIONS



BUILDINGS



MACHINES



PEOPLE



ASSETS



A
SUSTAINABLE
TOMORROW



IoT Space
Management



Key
Components



IoT Space
Management Systems



Applications &
Benefits



IoT Smart
Helmet



UHF RFID
Asset Management



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Riyadh, Saudi Arabia

Connect. Empower. Perform.



IoT SPACE MANAGEMENT

Smarter visibility and control for
every square meter.



OPTIMIZE
SPACE USAGE



IMPROVE
SUSTAINABILITY



ENHANCE
PEOPLE
EXPERIENCES

What It Covers



Occupancy Monitoring
Know how spaces are used
in real time.



Environmental Monitoring
Monitor temperature, CO₂,
humidity and air quality.



Desk & Room Booking
Simplify space reservations
for hybrid work.



Energy Optimization
Reduce energy consumption
with data-driven control.



Indoor Positioning
Locate people, assets and
spaces indoors.



Parking Availability
Real-time parking space
detection and guidance.



Real-time space
utilization insights
for offices, campuses
and facilities.



How It Works



1. Sense

IoT sensors collect
data from people, spaces
and the environment.



2. Connect

Data is securely
transmitted to the cloud
via wireless networks.



3. Analyze

AI-powered analytics
turn data into actionable
insights.



4. Act

Automate and optimize
spaces for greater
efficiency and comfort.



People Flow
Live occupancy data



Meeting Rooms
Real-time availability



Indoor Maps
Navigate your space



Sensor Connectivity
A smarter, connected
building





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KEY COMPONENTS OF IoT SPACE MANAGEMENT

Building Smarter Spaces with Connected Technologies

SMARTER SOLUTIONS
FOR A CONNECTED WORLD

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REAL ASSETS.
REAL INSIGHTS.
REAL IMPACT.



Sensors

Occupancy, Motion,
Temperature,
Humidity, CO₂



Gateways

Collect and
transmit data from
end devices



Controllers

Integrate with
building systems
(HVAC, Lighting, etc.)



Smart Meters

Energy, Water
and Utility
Monitoring



Cameras

Video analytics
for occupancy
and safety



RFID / BLE Beacons

Asset and people
tracking, proximity
detection



Cloud / Edge Platform

Secure data ingestion,
storage and device
management



Mobile & Web Dashboards

Real-time visibility
and control

IoT SPACE MANAGEMENT SYSTEMS

System Architecture

FROM DATA TO SMARTER DECISIONS



End Devices

- Sensors
- Cameras
- RFID / BLE Beacons
- Smart Meters



IoT Gateway

- Data aggregation
- Protocol conversion
- Secure transmission



Network

- Wi-Fi
- LoRa
- 4G / 5G
- Ethernet



IoT Platform / Database

- Device management
- Data storage
- APIs & integration



Analytics Engine

- AI / ML analytics
- Space utilization
- Predictive insights
- Rules & processing



Dashboard / Mobile App

- Real-time monitoring
- Space booking
- Reports & insights
- User management



Automation / Alerts / BMS / Workflows

- Triggers & automation
- Alerts & notifications
- BMS integration
- Workflow management

Outputs

- Live Occupancy
- Space Booking
- Utilization Reports
- Energy Insights
- Asset Tracking
- Rule-Based Alerts



OPERATIONAL EFFICIENCY

Optimize space, energy and resources



SAFER WORKPLACES

Enhance safety and compliance



A MORE SUSTAINABLE TOMORROW

Data-driven decisions for a greener future



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APPLICATIONS & BENEFITS OF IoT SPACE MANAGEMENT

Turn Spaces into Smarter, Safer and More Efficient Operations.

REAL ASSETS.
REAL INSIGHTS.
REAL IMPACT.

IoT
CONNECTED



Office Space Optimization

Monitor workspace utilization and create healthier, more productive workplaces.

Higher Utilization

Better Visitor Experience

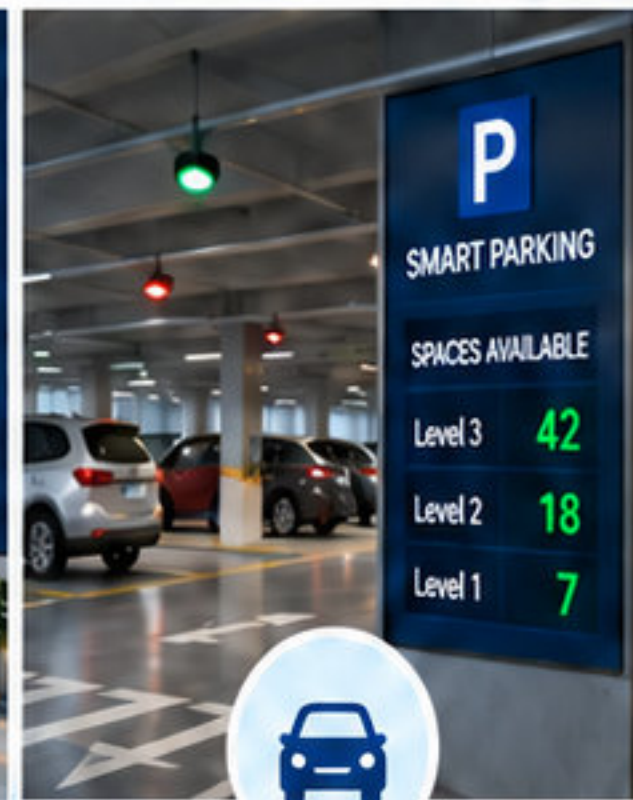


Smart Buildings Facilities

Integrate IoT data for smarter facility operations and resource management.

Lower Energy Cost

Operational Efficiency



Parking Management Systems

Real-time parking availability and guidance for a smoother, safer experience.

Reduced Congestion

Improved Safety



Retail & Hospitality

Understand occupancy and customer flow to deliver better service and experiences.

Better Visitor Experience

Faster Decision-Making



Warehousing & Logistics

Track assets, inventory and people to streamline operations across the supply chain.

Real-Time Visibility

Operational Efficiency



Efficiency



Safety



Sustainability



Visibility



Automation



Scalability



IoT SMART HELMET

Connected safety for workers in the field.



REAL ASSETS.
REAL INSIGHTS.
REAL IMPACT.

PEOPLE
SAFE
OPERATIONS
STRONGER
TOMORROWS

Main Features



Simplified System Diagram (SLD)



Ideal For





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FOR A CONNECTED WORLD

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UHF RFID ASSET MANAGEMENT

Track, identify and control critical assets in real time.



GREATER
EFFICIENCY



SAFER
WORKPLACES



A MORE
SUSTAINABLE
TOMORROW



REAL ASSETS.
REAL INSIGHTS.
REAL IMPACT.

ASSETS
PEOPLE
OPERATIONS
A SMARTER TOMORROW



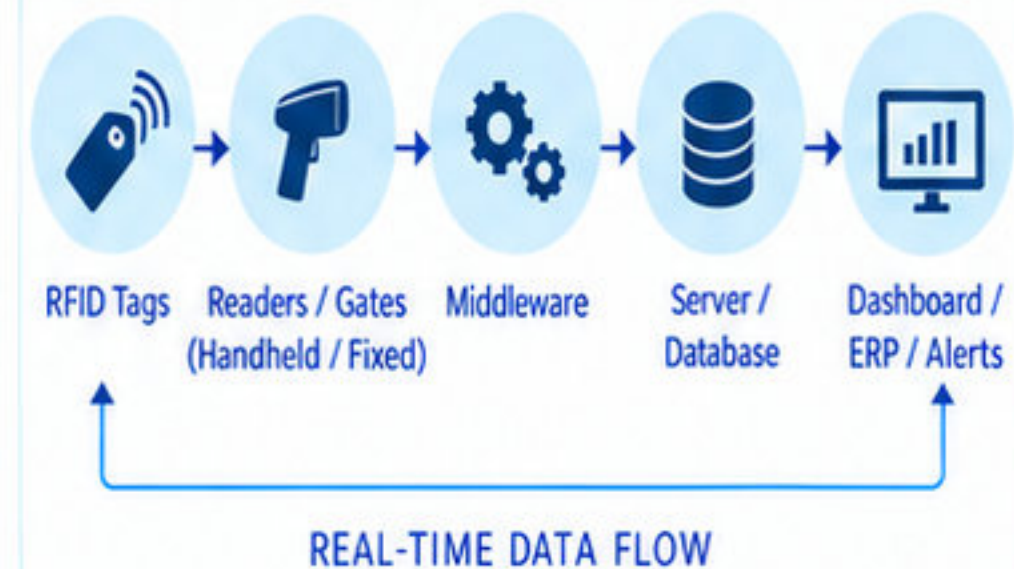
How It Works



Core Elements



System Architecture (Simplified SLD)



Key Benefits



Typical Use Cases



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