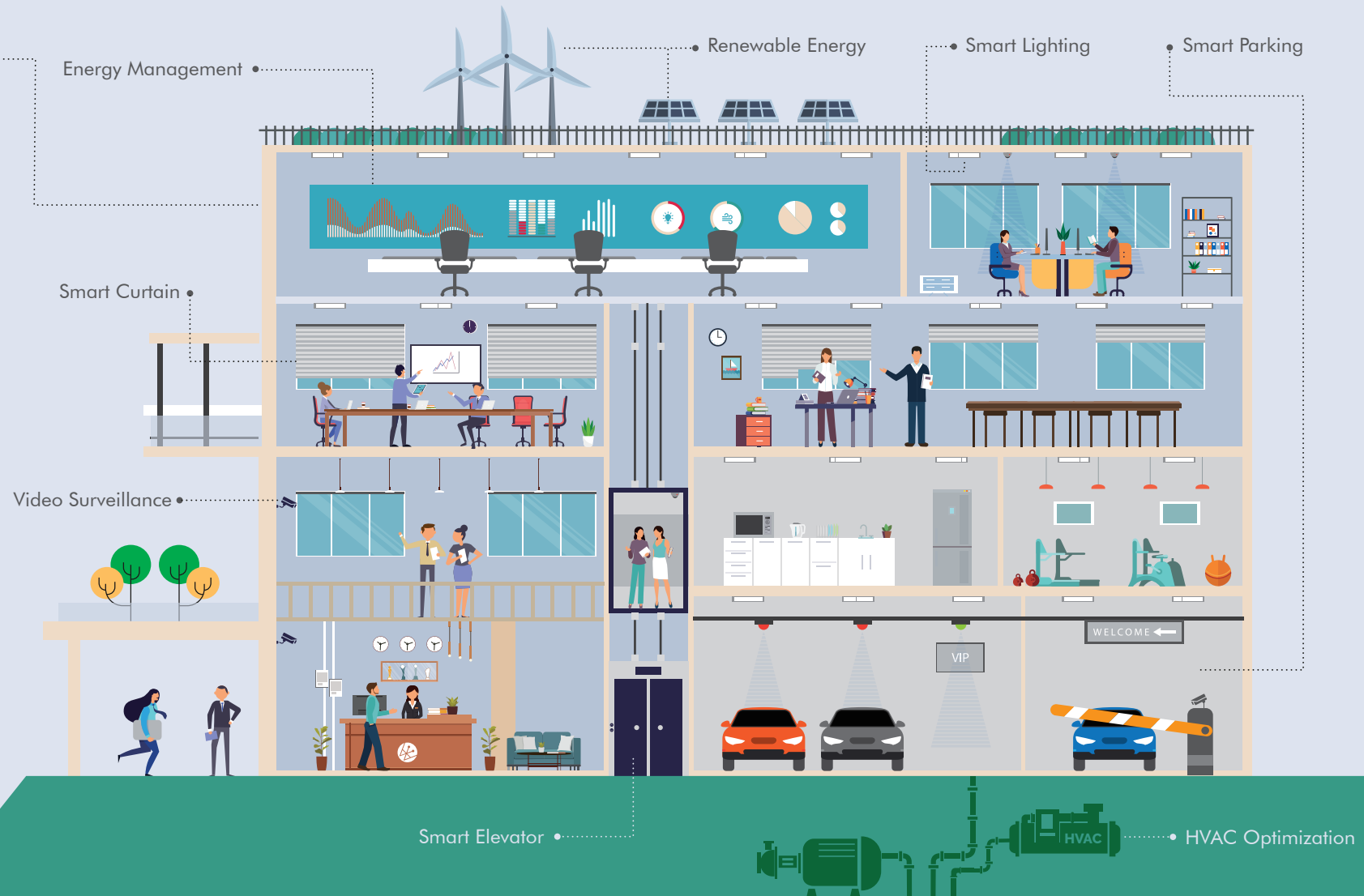# EXPERIENCE THE BUILDING WITH IWA

IWA

Smart Building Integrated Management Platform

IWA smart building integrated management platform, based on data analysis and IoT technology, integrates air conditioning, curtains, lighting, electricity, access control, property management, facilities management system, and so on. It also provides a natural language dialogue interface and a graphical control interface based on mobile devices. IWA smart building system has widely been implemented at various commercial buildings which satisfy with safety, comfort, convenience, management, and energy saving for different fields of users with a better quality of intelligent experiences.

Energy Management

Renewable Energy

Smart Lighting

Smart Parking

Smart Curtain

Video Surveillance

VIP

WELCOME

Smart Elevator

HVAC

HVAC Optimization

Features of IWA Smart Building Integrated Management Platform

WEB Configuration and Browsing
Use standard web interface without installing additional applications to complete dashboard and statistical analysis through graphical definition and data binding.

GIS and 3D Engine
Map display function through Google, Bing, ArcGIS which support BIM model to monitor and control on the platform.

Visual Analytics Tool
A variety of statistical analysis charts provide the most professional graphical analysis solution in one step.

Heterogeneous Data Integration
Support various internationally open standard protocols, such as OPC, Modbus TCP, Restful, MQTT which can integrate and monitor subsystems of different brands.

Alarms and Linkage Tool
Provide various alarm methods, such as Email, SMS, LED output, voice alarm, auto pop-up screen with linkage setting tools. User can define required conditions and linked devices.

Facility Management Tool
Provide operation monitoring, notification maintenance, and other tools. BIM data integration can provide device positioning, status viewing, and full lifecycle info displaying.
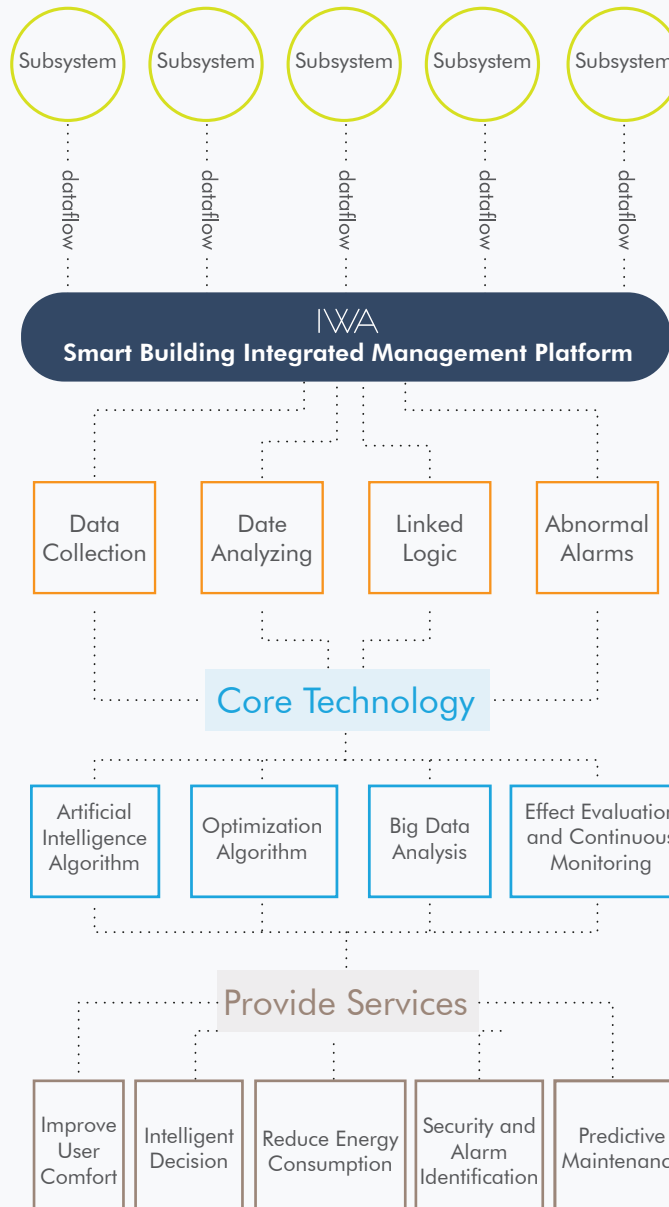
Security Mechanism
Protect privacy and integrity of HTTPS data exchange. Compliance with the OWASP Application Security Verification Standard (ASVS) project test.

Open Integration Interface
Offer an open API format to conform with Smart Building Safety Monitoring System Data Format Standard and Smart Building Energy Management System Data Format Standard by TAICS announcement.

Services of IWA Smart Building Integrated Management Platform

Subsystem — dataflow
Subsystem — dataflow
Subsystem — dataflow
Subsystem — dataflow
Subsystem — dataflow

IWA Smart Building Integrated Management Platform

- Data Collection
- Date Analyzing
- Linked Logic
- Abnormal Alarms

Core Technology

- Artificial Intelligence Algorithm
- Optimization Algorithm
- Big Data Analysis
- Effect Evaluation and Continuous Monitoring

Provide Services

- Improve User Comfort
- Intelligent Decision
- Reduce Energy Consumption
- Security and Alarm Identification
- Predictive Maintenance

Advantages of IWA Smart Building Integrated Management Platform

- Instant Monitoring
- Mobile Devices
- Customized Control Strategy
- Flexibility and Easy Adjustment
- Integrate All Building Subsystems
- Highly System Stability

- Information Security
- Fast Failure Recovery
- Reduce Operating Costs
- Reduce Labor Costs
- Improve User Comfort
- Excellent Indoor Environment Quality
- Future Scalability