

homescenario

Smart home made easy!



AIoT Smart Building

HomeScenario, Inc.



HomeScenario:
AIoT Smart Building @Cloud

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-  SIP/IP Intercom System
-  Integrated Alarm, Access Control, Monitoring
-  Cloud Service Platform
-  Smart Home
-  Energy Management

Integrated Smart Building Solution



IP Intercom Indoor Station

Video Door Bell

Outdoor Intercom Station



IP Intercom Management Console



RFID Access Controller

HomeScenario Business Scope Vertical Applications



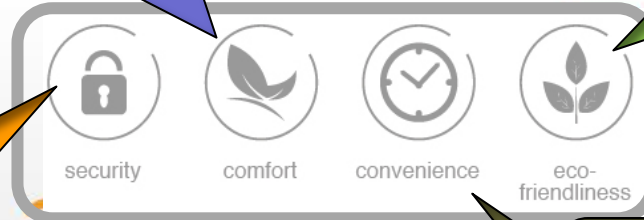
HomeScenario:

Cloud AIoT Solution
Provider

- Home Automation
- Scenario Control

- Smart Metering
- Energy Management

- SIP/IP Intercom
- Access Control
- Alarm & Perimeter Protection
- Video Monitoring



- Building Automation
- Concierge System
- Control *Anywhere*

Smart Home | Smart Building | Smart City

Smart Building:
Architecture & Applications

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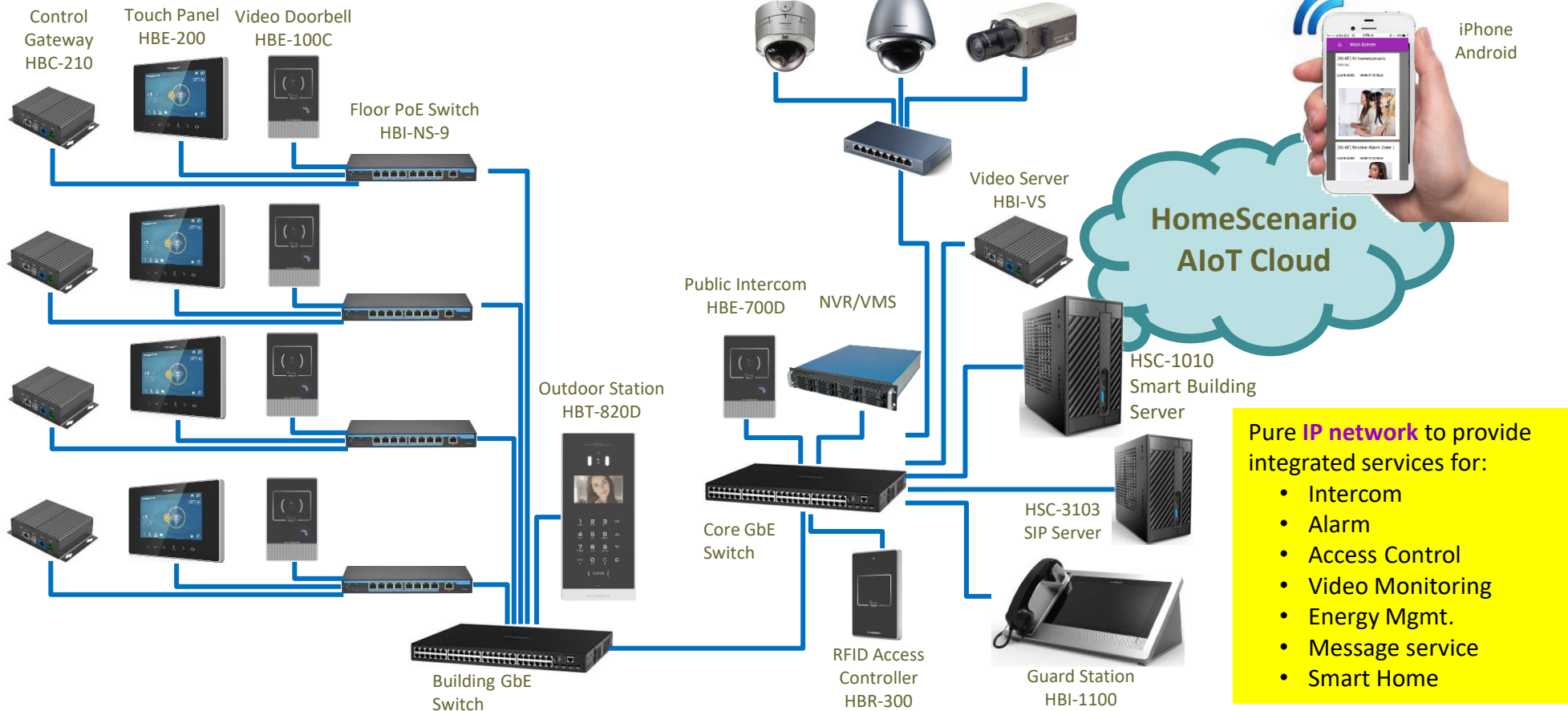
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Demands for Smart Building



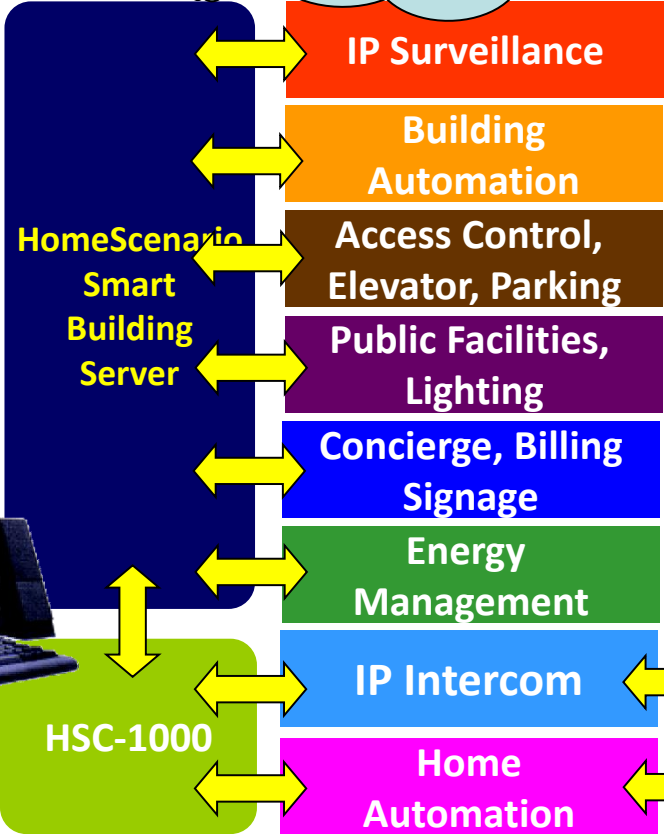
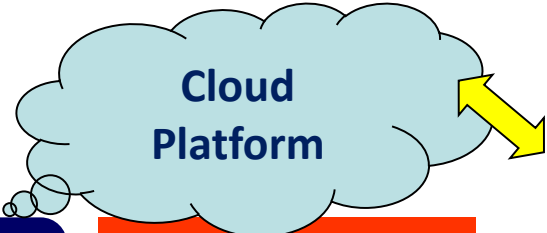
- **Peace-of-mind:**
 - *Secure* (protecting people and assets, alarm notifications)
 - *Green* (energy saving, eco-friendly)
 - *Convenient* (ease-of-use, higher productivity)
 - *Comfort* (employee satisfaction, quality of working)
- **Unified Communication:**
 - Integrated intercom and *mobile* network
 - *Alarm notification, property mgmt. message service*
- **Everything Under control:**
 - *Access control (entrance, parking, elevator, etc.)*
 - Lighting, dimming
 - Motorized curtain, shades, gates
 - HVAC, air-conditioner
 - Audio/video
 - Sensors, video monitoring
 - Smart and automatic scenario
- **Anytime, anywhere:**
 - Touch panel
 - iPhone/iPad/Android

Smart Building IP Network Architecture



- Pure IP network to provide integrated services for:
- Intercom
 - Alarm
 - Access Control
 - Video Monitoring
 - Energy Mgmt.
 - Message service
 - Smart Home

We Integrate and Make Smart Building Systems Work In Harmony

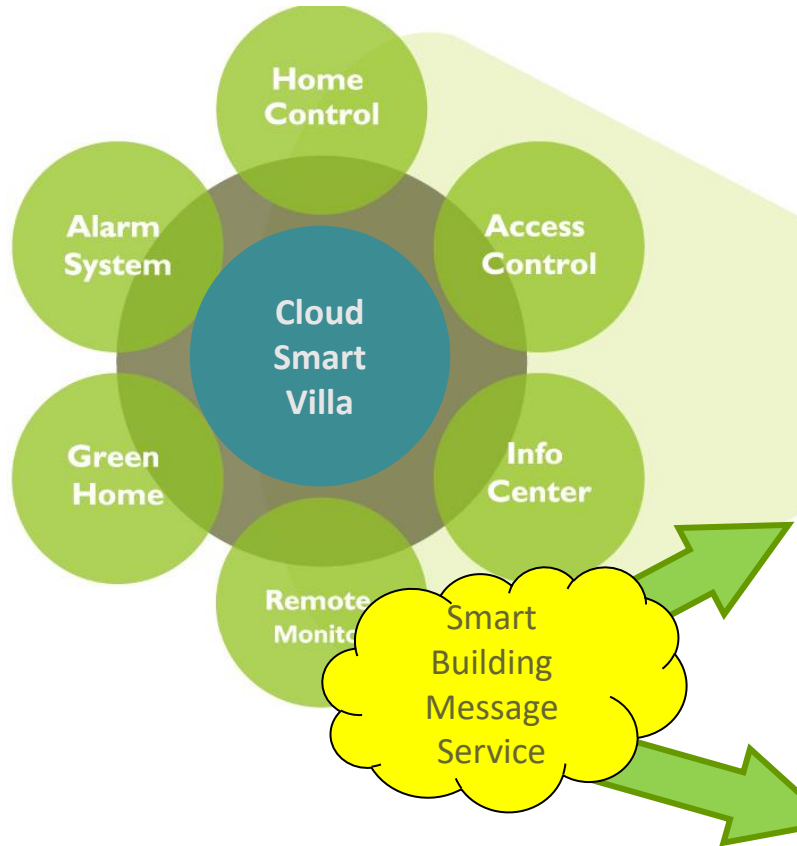


- Flexible architecture to facilitate *3rd party System Integration* for smart building services
- Users to control and always get informed wherever they are!



User Interfaces

- *Multi-functional integration*
- *Fully customized scenarios and user interfaces*
- *Easy to deploy, wired and wireless*
- *Notified, monitor and control from anywhere*



AIoT Smart Building via LINE@



- App “without App”
- PUSH message upon alarm or service
- Multiple user registration for one office
- Features:
 - Alarm arm/disarm
 - Smart control
 - Call guard
 - Monitor video
 - Receive service information
 - Photo album
 - Access control
- Flexible Operation
 - Function button
 - Dialog flow
 - Web UI
 - Integration with 3rd party service

Cloud *Intercom* Applications

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SIP-Based *Cloud Intercom*

(SIP Cloud Intercom)

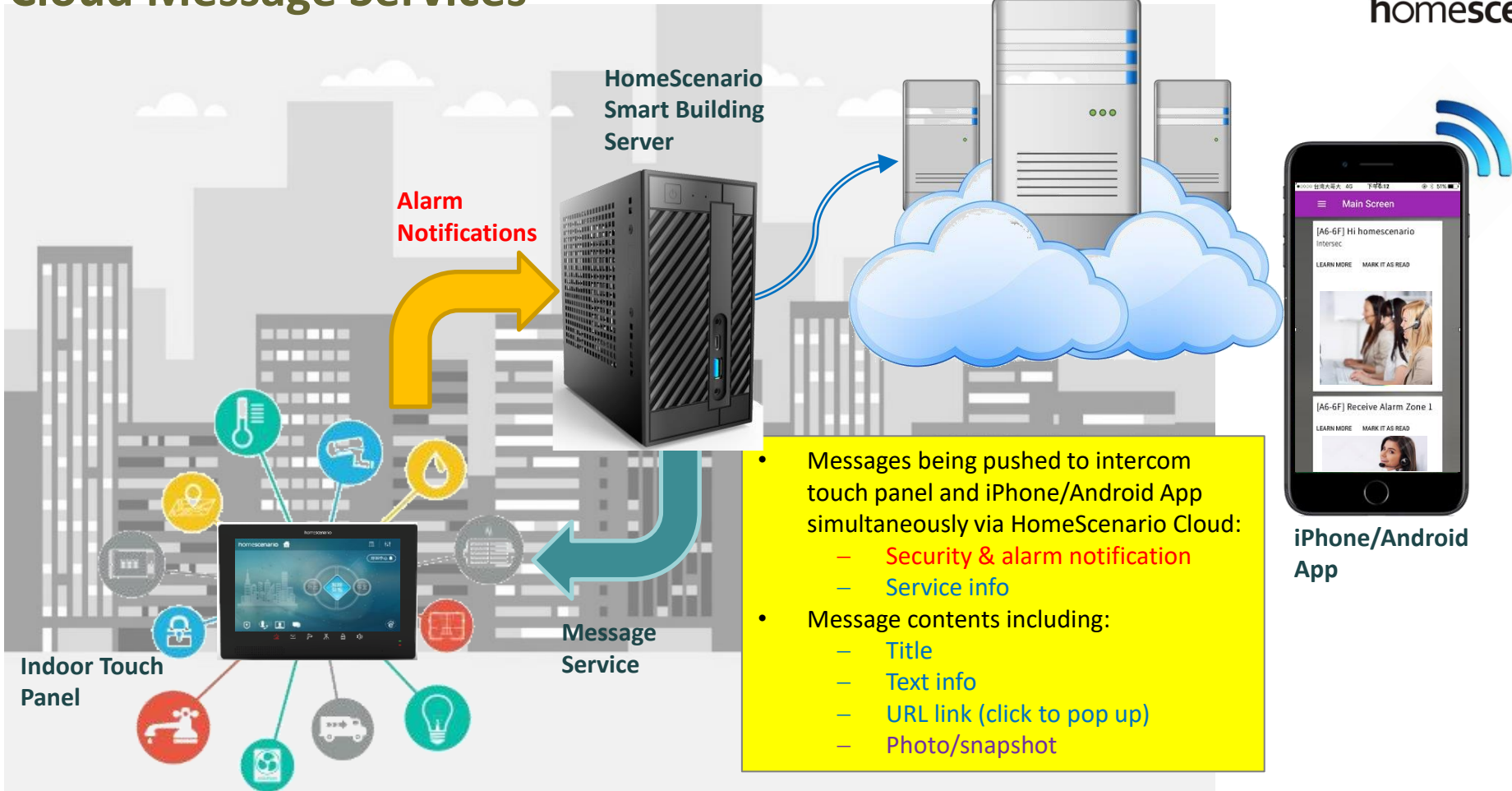


Cloud *Alarm & Access Control*
Applications

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Cloud Message Services



Alarm
Notifications

HomeScenario
Smart Building
Server

HomeScenario
Cloud Server

Indoor Touch
Panel

Message
Service

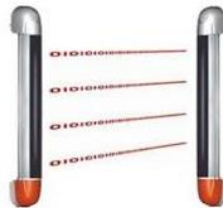
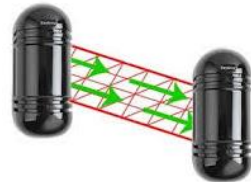
iPhone/Android
App

- Messages being pushed to intercom touch panel and iPhone/Android App simultaneously via HomeScenario Cloud:
 - Security & alarm notification
 - Service info
- Message contents including:
 - Title
 - Text info
 - URL link (click to pop up)
 - Photo/snapshot

Multiple Sensor Zone Protection



Intercom touch panel is also the *Alarm Control Panel*



Multi Access Control:

RFID, QR Code, LPR, Face

User database and condition settings



HSC-1010W
Smart Building Server



Event Report



Database Sync



(LAN)



HBT-820D

IP Outdoor Station



HBE-700D

IP Public Intercom Station



HBR-300

IP Access Controller

- Via IP network, system supports various intercom stations and access controller
- Can be expanded to cover biometrics e.g. face recognition and fingerprint
- Each user can be granted with individual permission according to ID, time, condition, etc.
- System can be applied to door access, elevator control, parking etc.
- Server can update user database and synchronize to access controller; stored at equipment storage it can work online or offline



Door Access



Elevator Floor Control



Parking



Lobby Entrance

(Project Based) **Smart Building** *Energy*
Management

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Smart Building 4.0 for Energy:

- Monitoring & Presentation
- Automation & Control
- Cloud-Based Notification
- Saving Energy



Building Blocks

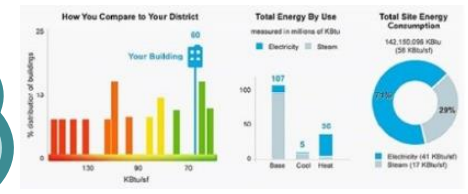
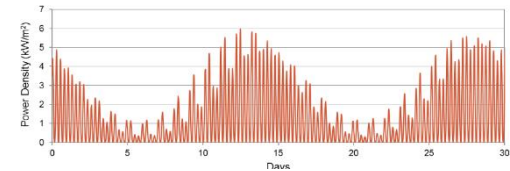
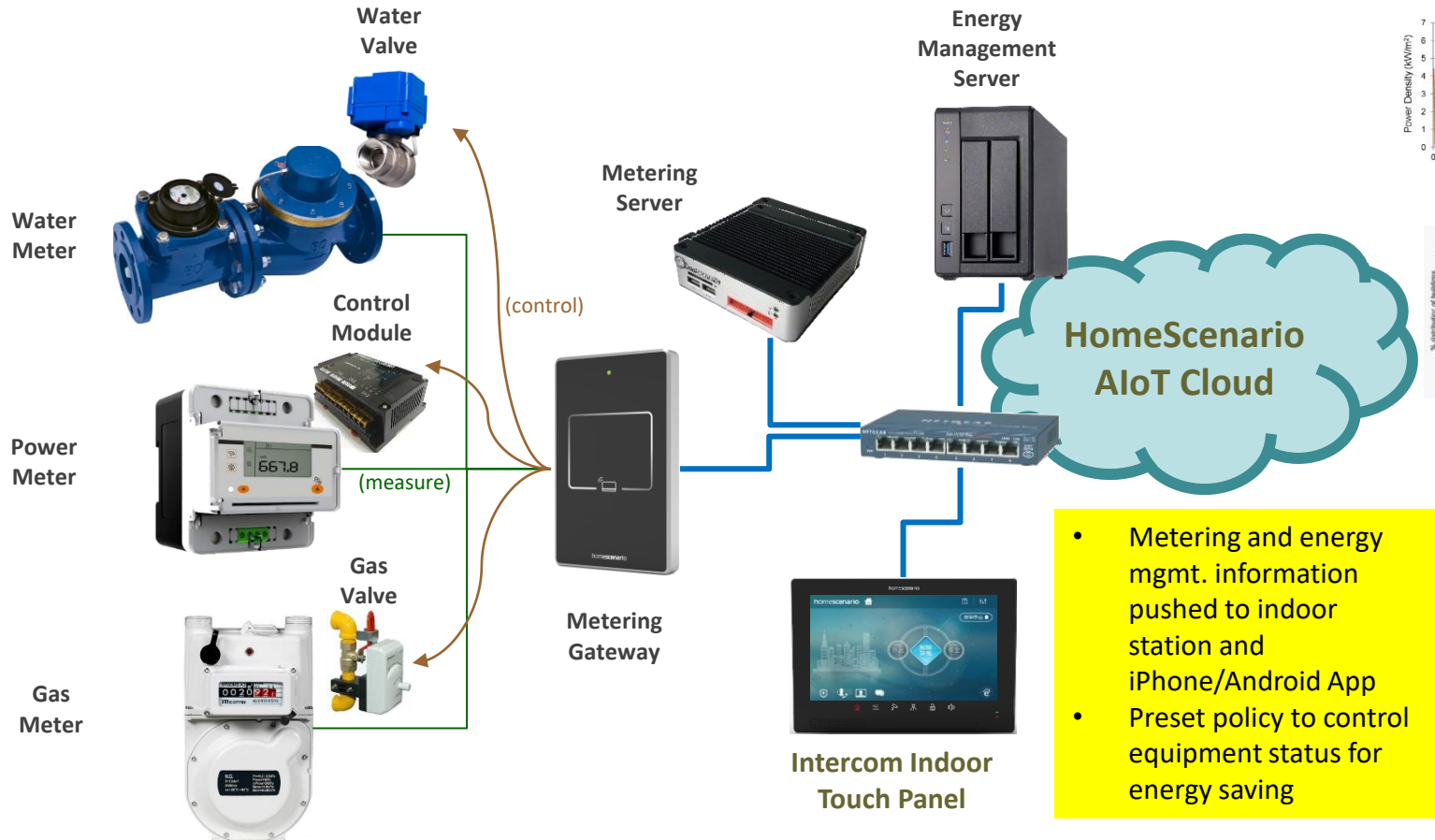


- Power meter
- Water meter
- Gas meter
- Air quality e.g. PM 2.5
- Temperature & humidity
- Light luminance
- RPM, mileage
- etc.

- Statistics, charts, comparison tables, histograms
- 24x7 pricing table
- Policies, benchmarks, conditions
- Automation, control, scenario activation
- etc.

- User-based accounting system
- Prepayments/receivables, wallet balance
- Cloud back-up
- Cloud message notification
- etc.

Application Diagram



iPhone/Android App

Application Introduction



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- **Real-time smart metering & display, e.g.:**
 - Power meter
 - Water meter
 - Gas meter
- **Energy consumption statistics:**
 - Histogram (daily, weekly, monthly) for whole building or selected units/zones
 - Average, ranking, etc.
- **Cost calculations according to 24x7 pricing table**
- **Billing and prepayment system**
- **Cloud-based push message service**
- **Smart control:**
 - Lighting on/off/dim
 - Air-conditioner
 - Water valve
 - Gas valve
- **Integrated user interfaces:**
 - PC monitor in management office
 - Touch panel in each room/zone
 - iPhone/Android App

Smart Building Feature Summary

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Integrated Features

- **SIP/IP Intercom:**
 - Indoor station vs. outdoor video phone
 - Indoor station vs. video doorbell
 - Door to door intercom
 - Call mgmt. center operator
 - Forward incoming call to *iPhone/Android anywhere*
- **Access Control:**
 - Indoor station or mgmt. console to unlock door during intercom
 - Centralized management access control via *Mifare RFID*
 - *Elevator* floor access control, call elevator
- **Alarm System:**
 - System arm/disarm
 - Instant alert to mgmt. center
 - Instant siren alert
 - (Optional) Instant alert to homeowner via e-mail/SMS or *iPhone/Android* pushed message

Integrated Features (cont'd)

- **Information Feeds:**

- Publish news/alerts/announcements from mgmt. center, to ALL or SELECTED *indoor touch panel or iPhone/Android*
- Updated temperature, weather conditions, etc.

- **Smart Home Automation:**

- Home controls:
 - Lighting on/off/dim
 - Appliance on/off
 - Window shades
 - Thermostats
 - Audio/video
- *Scenario* control; one touch does it all
- Control via indoor station, *iPhone/iPad/Android*

- **Control *Anywhere*:**

- Via *3G/4G, Wi-Fi or internet*
- SMS/email notification
- Camera video monitoring

Integrated Features (cont'd)

● Energy Management:

- Always collects energy consumption values via digital meters such as *Power, Water, Gas*
- Reports energy metering information:
 - *Real-time* energy consumption
 - *Histogram* chart (daily, weekly, monthly etc.)
 - *Comparison* table
 - Others
- Sets benchmark value and sends *alert* notification if real-time value over benchmark
- *Controls* equipment or appliance to reduce energy consumption, e.g.:
 - Lighting
 - Air-conditioner
 - Gas valve
 - Water valve/pump
 - Etc.
- Prepares *billing and accounting*:
 - Prepayment
 - Balance check and notification

Main Products

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Indoor Station



HBE-200 (7")



HBE-310 (10.1")



2-Gang Box

Video Doorbell

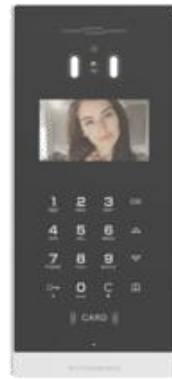


HBE-100C

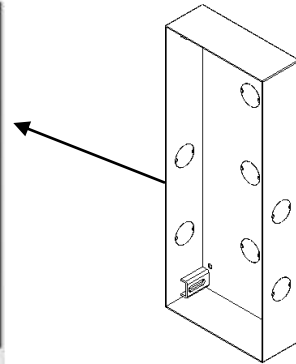


1-Gang Box

Public Stations



HBT-820D



In-wall Box:



HBE-700D



HBR-300

Guard Station



HBI-1100 (10.1")

HomeScenario Vision



Asia's Leading Provider for Smart Building System



Thank You

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