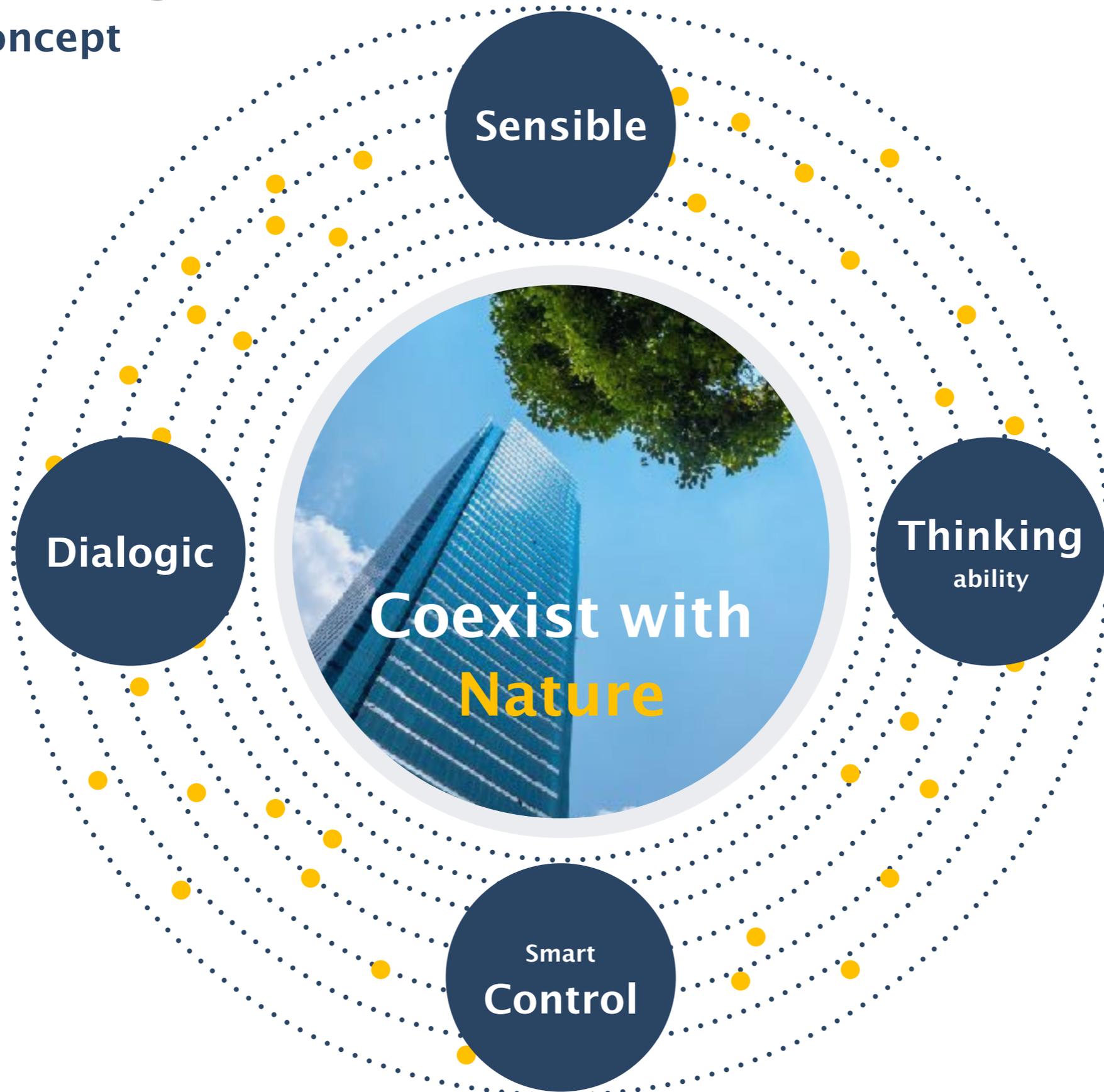


Chicomny

IWA Smart Building System

BUILDING FOR
TOMORROW, TODAY.
BUILD THE FUTURE

Chicony Building I Design Concept

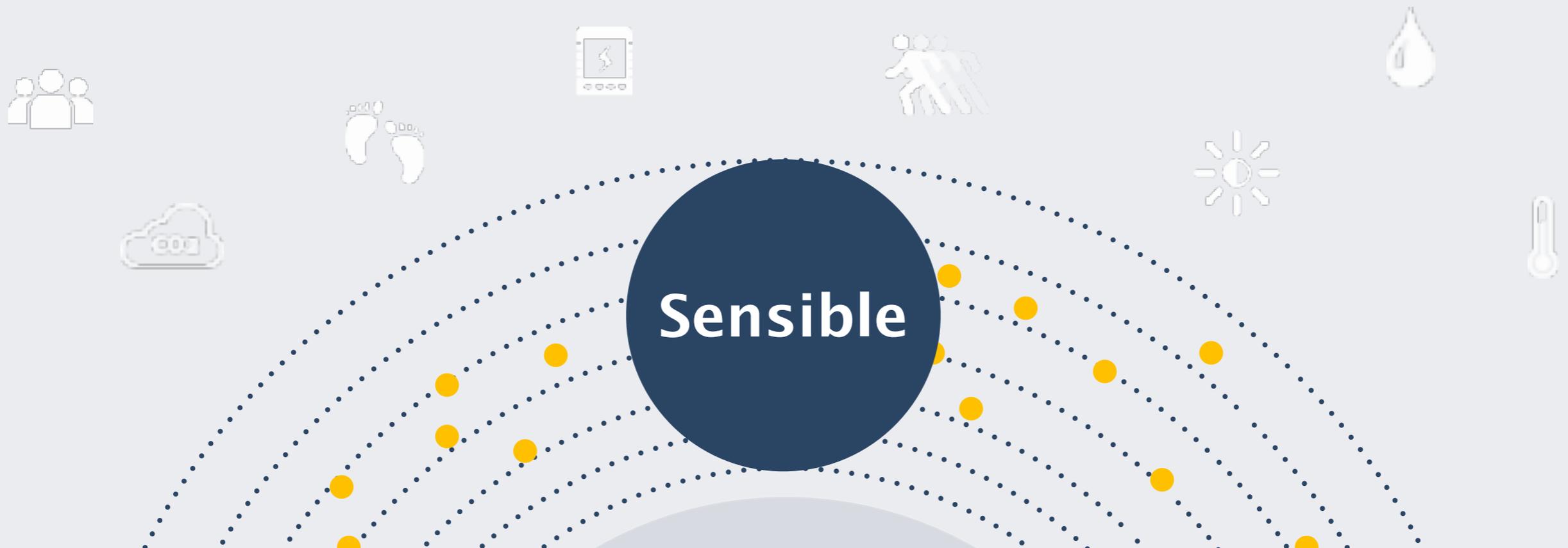


- Sunlight Angle
- Wind Strength
- Wind Direction
- Outdoor Temperature
- Outdoor Humidity
- License Plate Recognition
- Vehicle Recognition
- Control Line Staff Detection

- Indoor Temperature
- Indoor Humidity
- Luminosity
- Human Sensing
- Human Counting
- Facial Recognition
- CO Detection
- CO2 Detection
- VOC Detection
- Formaldehyde Detection
- Smoke Detection
- Air Flow Detection
- Power Detection
- Water Pressure Detection
- Flooding Detection
- Glass Explosion Proof
- Vehicle Occupancy Detection
- Emergency Sensing

Outdoor Environment

Indoor Environment

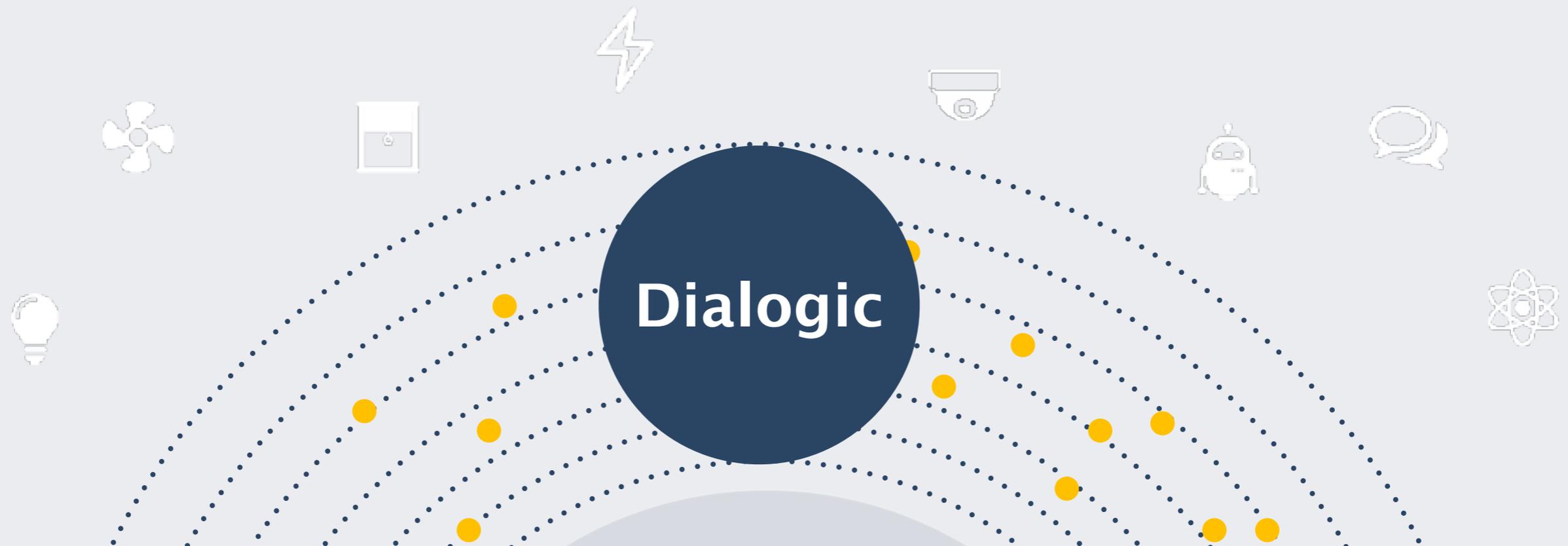


- Sensor
- Dimmable LED Driver
- Relay
- AI/DI/AO/DO/RS485/RS232
- Data Converter

- Cloud Management Platform
- Mobile Devices App
- Natural Language Conversational Interface
- Public Broadcasting System
- Interactive navigation System

Interaction between Equipment

Interaction between Human and Machine



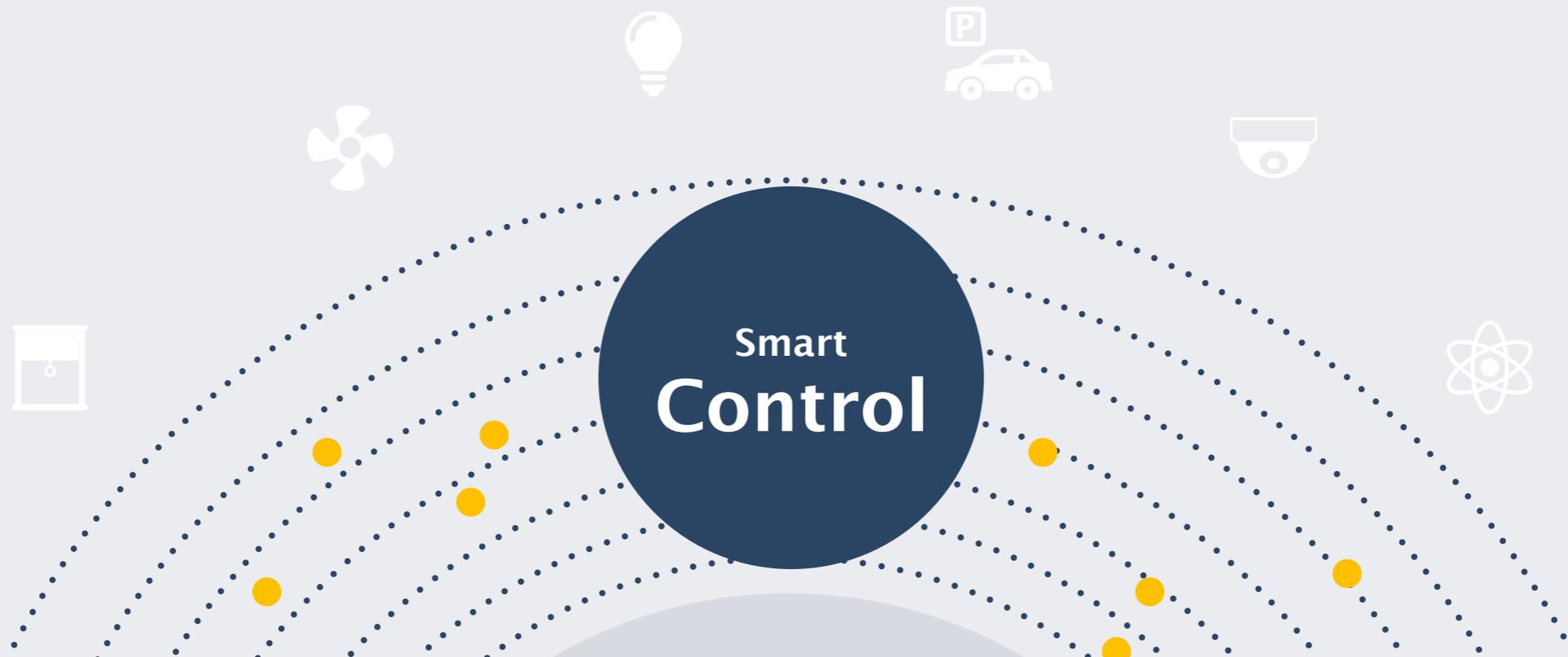
- Dimmable Lighting Control Algorithm
- HVAC Optimized Algorithm
- Image Recognition Algorithm
- Demand Response Analysis Algorithm
- Curtain Control Algorithm
- Natural Language Understanding Algorithm
- Machine Learning Algorithm

Major Algorithm



- Smart Lighting
- Rainwater Recycle
- Smart Curtain
- Smart Elevator
- HVAC Optimize
- Renew energy
- Image security / Facial Recognition
- Smart parking
- Energy Management
- Smart street lighting

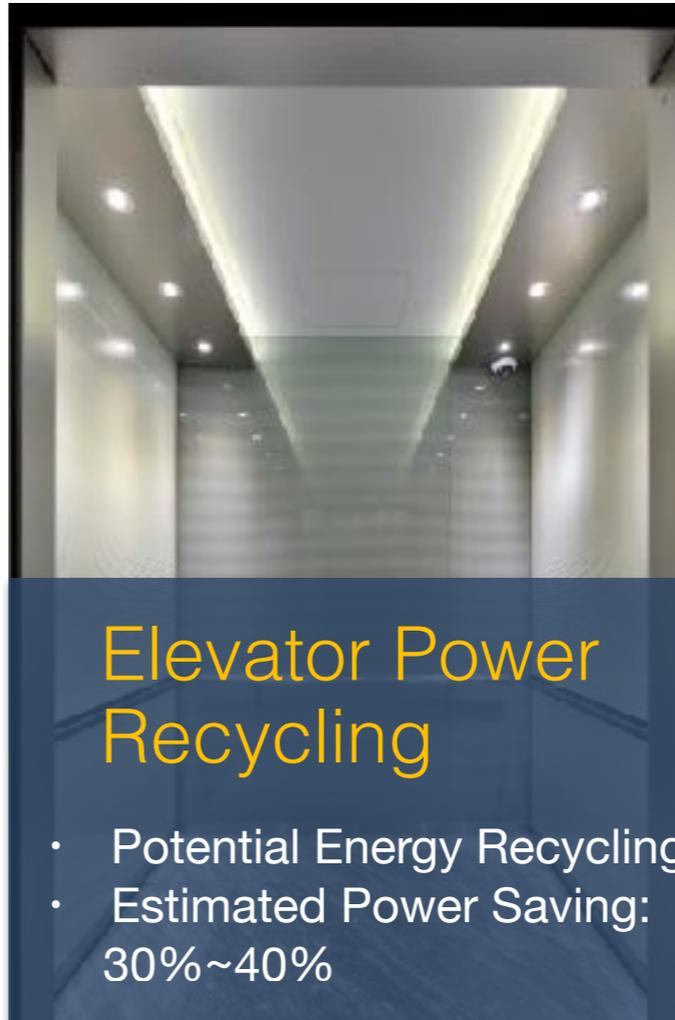
Intelligent Systems





Double Low-E Glass

- 8mm+12AS+8mm Double Silver Insulating Glass
- Heat Conduction: 1.52W / (M2xK)
- Sheltering Coefficient: 0.25, Solar Transmittance 0.22



Elevator Power Recycling

- Potential Energy Recycling
- Estimated Power Saving: 30%~40%



Rainwater Recycling

- Recycle the rainwater for plant watering



Wind Power Generation

- 10.5kWh
- Estimated Power Generation: 19,163kWh/Y
- CO2 Lower 11,727kg /Y
- Location : 1F



Solar Energy Generation

- 17kWh
- Estimated Power Generation: 17,134kWh/Y
- CO2 Lower: 10,633 kg/Y
- Location : RF

Integrated
Wiring

Energy
Management

Convenient

Information
Communication

WHAT CAN
Chicony
DO FOR YOU

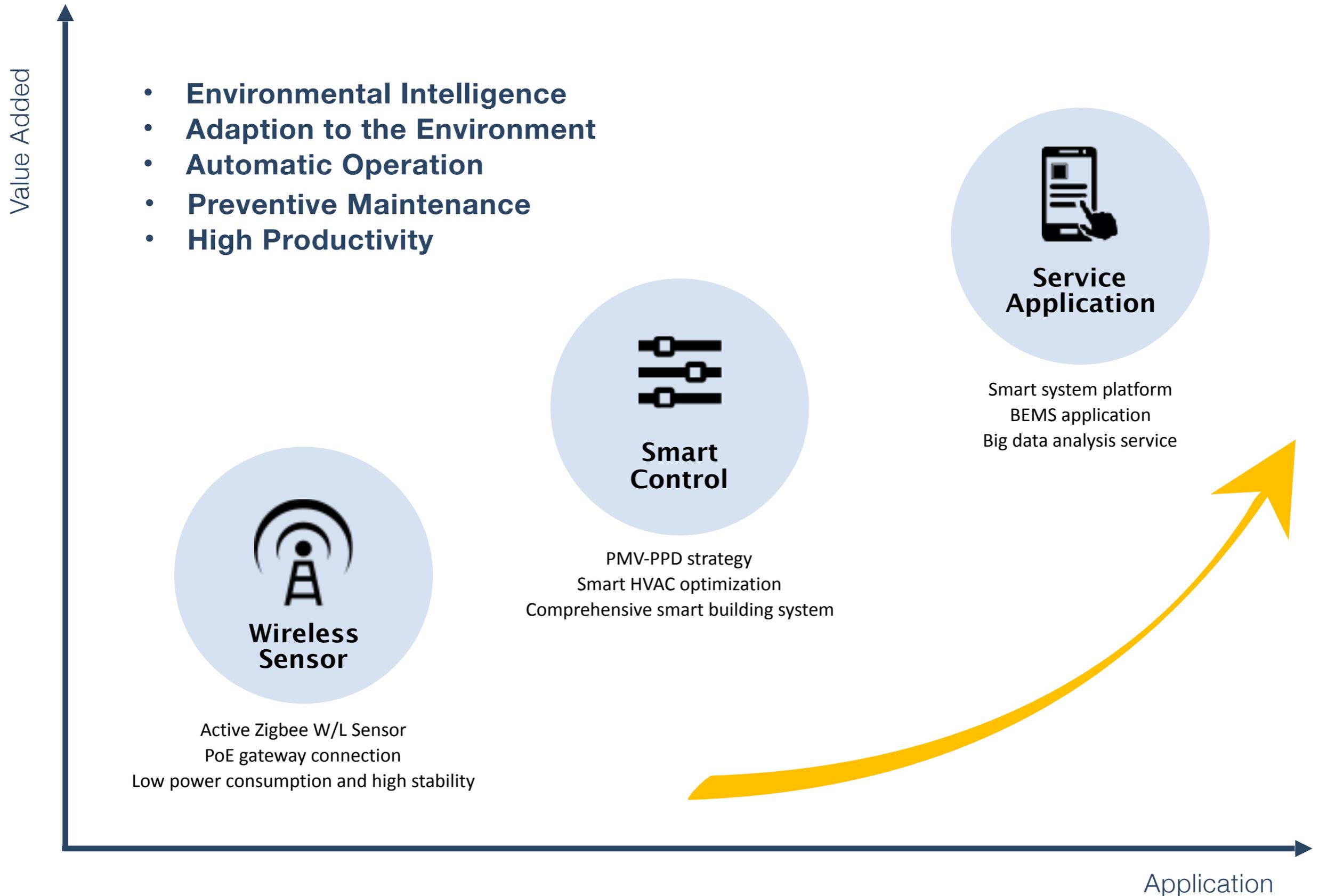
Comfortable

System
Integration

Facility
Management

Disaster
Prevention

Chicony Building | Advantage



Chicony Building | **Benefit**



Device

Efficiency



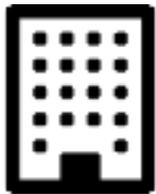
People

Productivity



Environment

Sustainability



Building

Operational



The Future We Imagine Is the Future We Get