

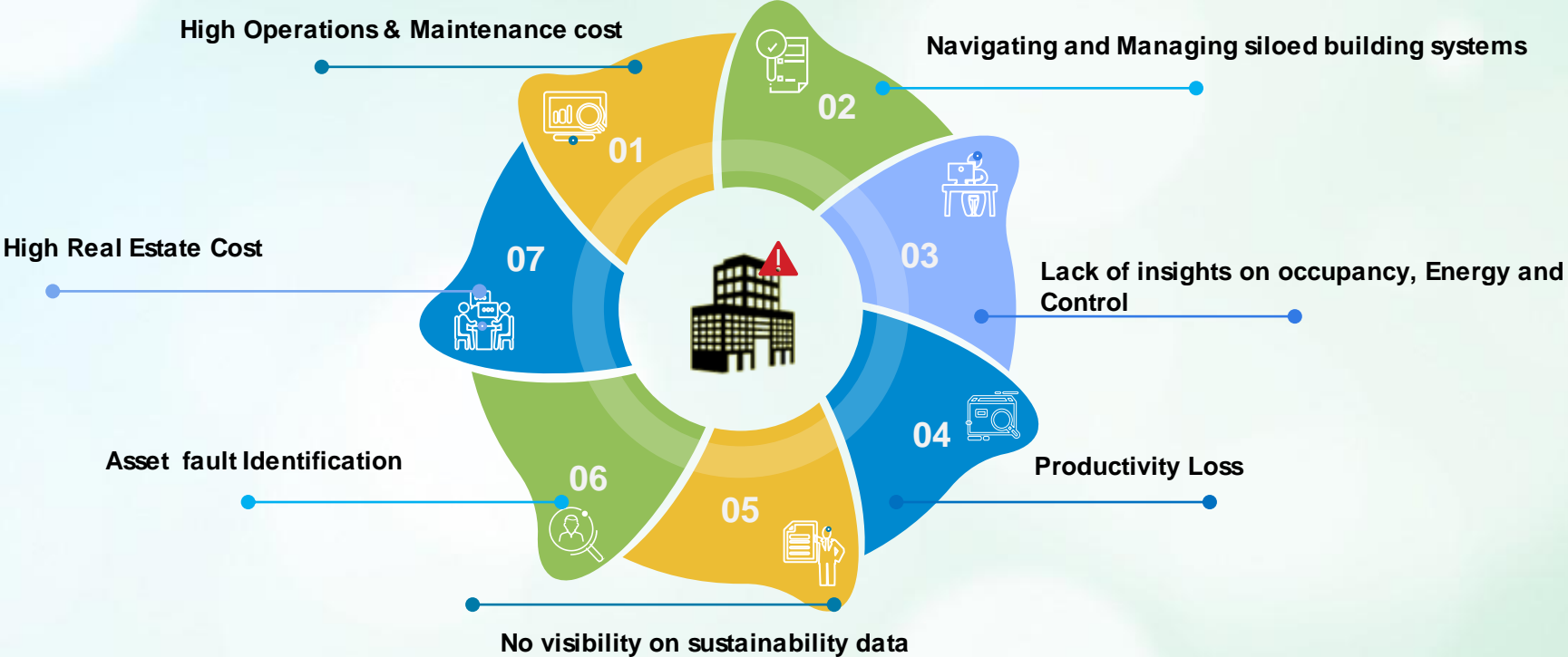


Smart i-Building

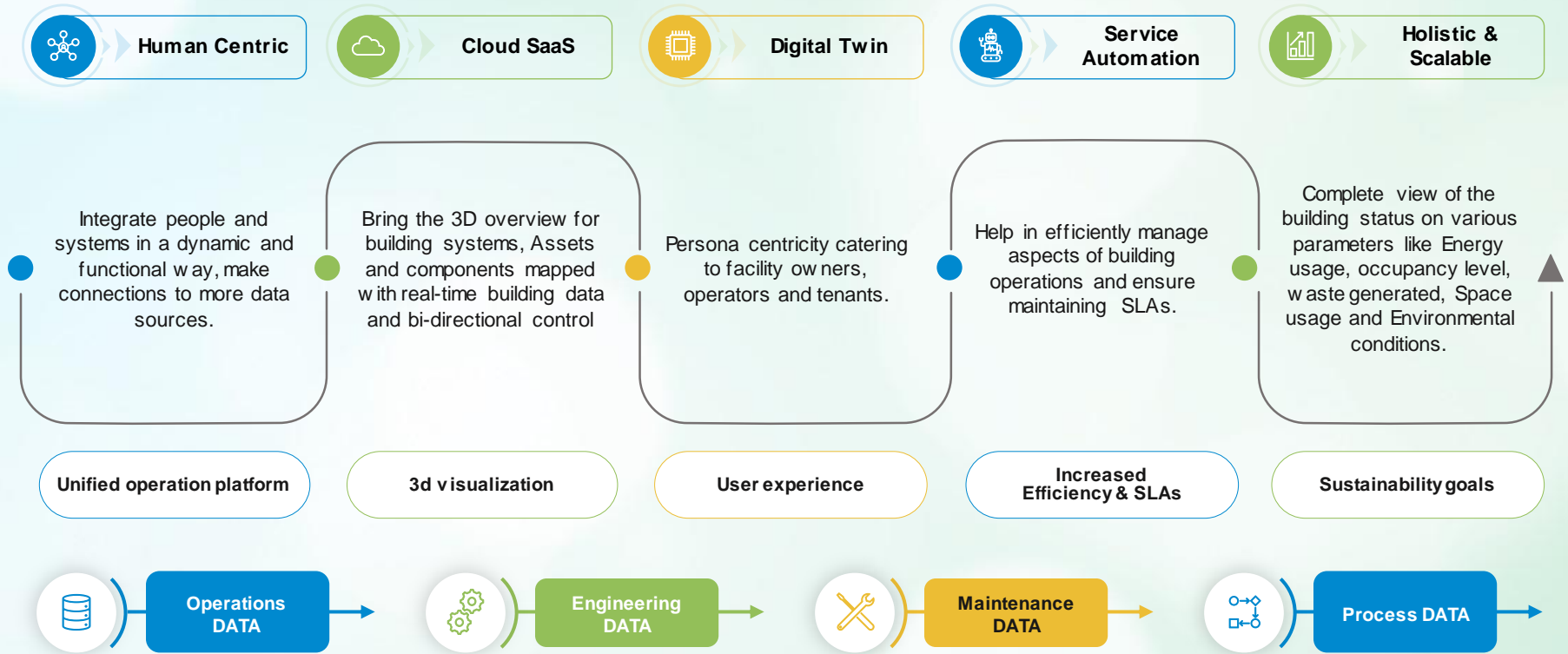
Digital Transformation with IoT



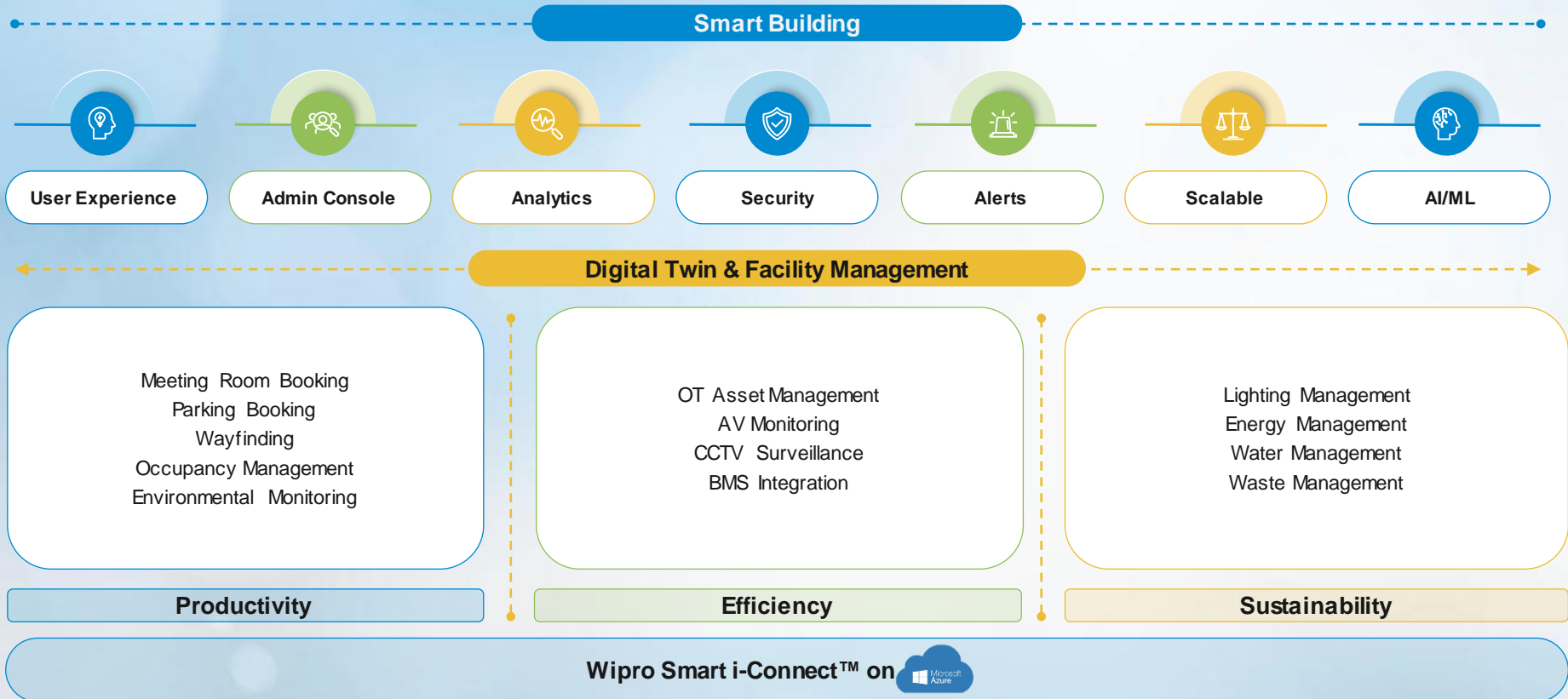
Current Challenges



Smart i-Building - Solution Overview



Smart i-Building framework





Solution differentiators



Plug & Play system

Easy connect with devices and Sensors

50+ building automation driver /protocols

Built in End Point OT Security



Better Visualization

Edge - instance (Light weight IoT Platform)

Built-in Analytical models
Diagnostics,
Prescriptive,
Automating

Effective control to action



Observability

Single pane view of all OT / IoT systems and devices

Integrated Command and Control

OTNxT – Service Management with IT-OT Convergence

Solution helping users



Operation Manager

Access to all buildings across globe

Plan & implements preventive and predictive repairs and emergency maintenance programs for all the buildings.



Facility Manager

Access to respective building

Plan & implements preventive and predictive repairs and emergency maintenance programs for respective building.



Service Manager

Access to Incidents, service tickets, status etc.

Oversee the services to ensure that business needs are being met. responsible for overseeing the status of tickets, SLA compliance etc.



Field Technician

Access to asset status, service tickets, SLA etc.

Provides Technical support, responsible to make sure assets are up and running, plan upcoming maintenance schedule etc.



Solution Benefits

Optimizing Building Function

Collaborative environments
Personal assistance: people, events and tasks
Security : physical

Grow – Agile working

Staff 1:4:1 workstations

Health, Wellbeing & Productivity

↓ 28% sick days
↑ 24% job satisfaction
↑ 5% productivity improvement

Space Utilization

↓ Typical 50-60%

Energy Performance

Energy drift 10-30% in 1-2 years
↓ 5-15% new build
↓ 10-40% existing build

Rationalize – asset cost

↓ Per head by 30-40%

Portfolio/Facility Management

↓ 25% HVAC maintenance
↓ 5-15% occupant complaints
↓ 5% cleaning costs

Case study # 1

A leading British construction & FM company



The Challenge

For a leading British construction & FM company, multiple building systems were working in silos with limited automation in BMS leading to high operation cost.



Action

- Unified platform for building and facility services.
- Deployment of sensors and devices integration for occupancy, temperature, leakage, air quality.
- Edge IoT based local BMS, HVAC and sensor integration for analytics and control



Key Solution Highlights

- Smart Building IoT Platform
- Building Digital Twin
- BIM Integration and 3D Modelling
- Employee Collaboration - Enhanced experience
- Facilities Management

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Ambitions Realized

- Facilities Management cost savings of 15% plus
- SLA Improvement by 2%
- Scalable platform leading to faster deployment at global level



Case study # 2

A leading health technology company



The Challenge

For a leading health technology company, multiple building systems were working in silos with limited automation in BMS leading to high operation cost. Limited modules for employee experience and collaboration



Action

- Cloud Based WSIC IoT Platform as SAAS on MS Azure for unified view enabling user experience and collaboration
- Use of LORA based sensors and devices integration for occupancy, temperature, leakage, etc.
- Edge IoT based local BMS, HVAC and sensor integration for analytics and control



Key Solution Highlights

- Smart Building IoT Platform
- Edge AI and Analytics for enhanced operations
- Employee Collaboration - Enhanced experience
- Incidence Management System and Service Automation
- Building Digital Twin
- BIM Integration and 3D Modelling
- Facilities Management

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Ambitions Realized

- 100% visibility on space usage
- Overall Operational cost savings of 10% plus
- 10% saving on real-estate expenditure
- Employee interaction and collaboration increase by 25%





Thank you

