



Greenbuild

# AI for Sustainable Cities

Bridging Innovation and Feasibility

## Panelists

---



**Kimon G. Onuma**

President  
ONUMA, Inc.



**Umair Surani**

Director, Energy &  
Sustainability  
Environ Energy



**Leo Salce**

Principal & CEO  
AVANT LEAP

## Moderator

---



**Eve Lin McNaughton**

Director, Innovation and Research  
USGBC

# AI for Sustainable Cities: Bridging Innovation and Feasibility

This session highlights how AI is being applied to improve sustainability in urban systems such as energy, water, and transportation. Attendees will gain a practical framework to assess AI's real-world impact, implementation feasibility, and adoption potential.

# Learning Objectives

## Learning Objectives:

- Examine diverse real-world applications of AI in urban sustainability, including environmental monitoring, infrastructure management, mobility systems, and energy forecasting.
- Apply a structured lens—sustainability impact, implementation readiness, and growth/adoption potential—to evaluate AI technologies in the context of city and community development.
- Identify common barriers to AI adoption in the built environment, such as data limitations, policy gaps, interoperability issues, and ethical concerns.
- Explore practical approaches for responsible AI implementation, including data governance, capacity building, and policy alignment.

## Learning Level:

- Intermediate

# Today's Journey



1

## Panelist Spotlights

Each panelist shares a case study, highlighting impact, readiness, and adoption potential.

2

## Panel Dialogue

Guided discussion on barriers, solutions, and responsible AI implementation.

3

## Final Reflections & Takeaways

Concise insights and “quick wins” from each panelist.

4

## Open Q&A – Extending the Conversation

Audience questions and reflections to deepen the dialogue.



# USGBC RISE™

## Readiness & Impact for Sustainable Execution



### Sustainability Impact

Environmental Impact

Social Impact

Economic Impact



### Implementation Readiness

Resource Requirements

Technical Complexity

Infrastructure Compatibility

Technology Readiness

Data Readiness

Policy & Regulatory Alignment



### Growth & Adoption Potential

Community Acceptance

Stakeholder Buy-In

Scalability

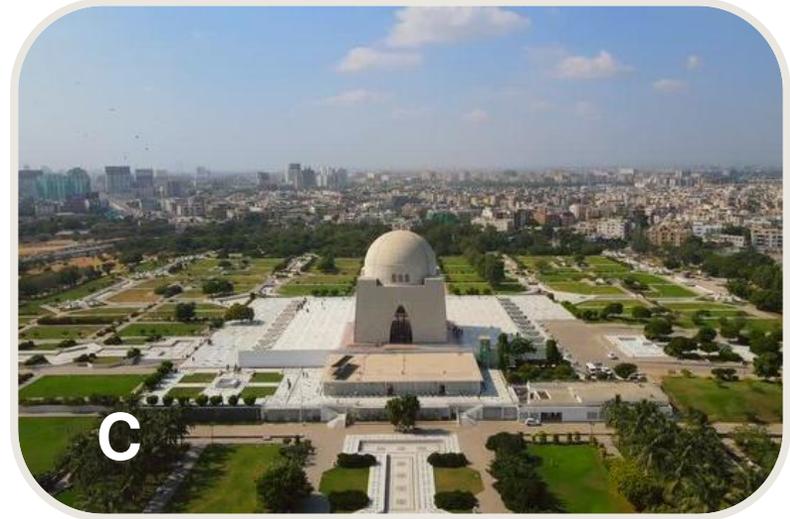
Economic Viability

AI Maturity

# 01

# Panelist Spotlights

Each panelist shares a case study, highlighting impact, readiness, and adoption potential.





## Umair Surani

Director, Energy & Sustainability  
Environ Energy

environ

Aerospace engineer turned energy and sustainability solutions strategist: HVAC, energy efficiency (hardware & software), building automation, renewable energy, DER, microgrids, and VPPs.

14+ years of experience across the built environment - partnering with real estate owners / operators, public-sector officials, universities, utilities, and startups to level-up their infrastructure and business. Skilled at connecting with diverse stakeholders across the value chain (boots-on-the-ground to C-suite), identifying root causes, and delivering robust solutions.

A universal translator, player-coach, and an entrepreneur at heart. I thrive on bridging disparate behaviors and cultures - between technology and operations, and tradition and innovation.



# The Role & Impacts of Buildings on a City

## Environmental



- 30%-40% GHG
- Air quality issues

## Social / Equity



- 90% time indoors
- Health, productivity, equity
- LIDAC often least healthy buildings

## Economic



- Manufacturing, conferences...
- Cognition, output, competitiveness

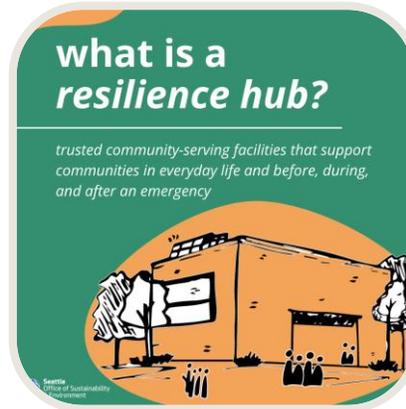


# City-Buildings Symbiosis

## Environmental



## Social / Equity



## Economic





# Make This Possible & The Role of AI



## A. What to do with municipal buildings?



## B. Smart Policy – AI as the symbiosis enabler



### Data Layers:

- EUI
- fuel type
- IAQ
- Solar / green roof potential
- Demand flexibility potential

### “Optimizer on Steroids”:

- Scenario plan
- Pressure test policies
- Identify best solution
- Automate flexibility

# Case Studies - Proof in Action

**LATITUDE** MEDIA



**How one Texas energy retailer plans to forge a new path for VPPs**

**LATITUDE** MEDIA



On the last Tuesday in July, over 100,000 residential batteries across California simultaneously discharged to the grid for two hours. They were part of a coordinated virtual power plant test — and according to PG&E, the resulting 539-megawatt dispatch was equivalent to the output of a mid-size natural gas plant.

# ARTIFICIAL INTELLIGENCE



## Sustainable Materials

# INTELLIGENCE



The NEW Sustainable Resource

# Architectural INTELLIGENCE

2016  
Retrofit

# 12:54 AM June 14, 2017

Start →  
Floor 4



1:09 AM June 14, 2017

15 →

Minutes  
Floor 24

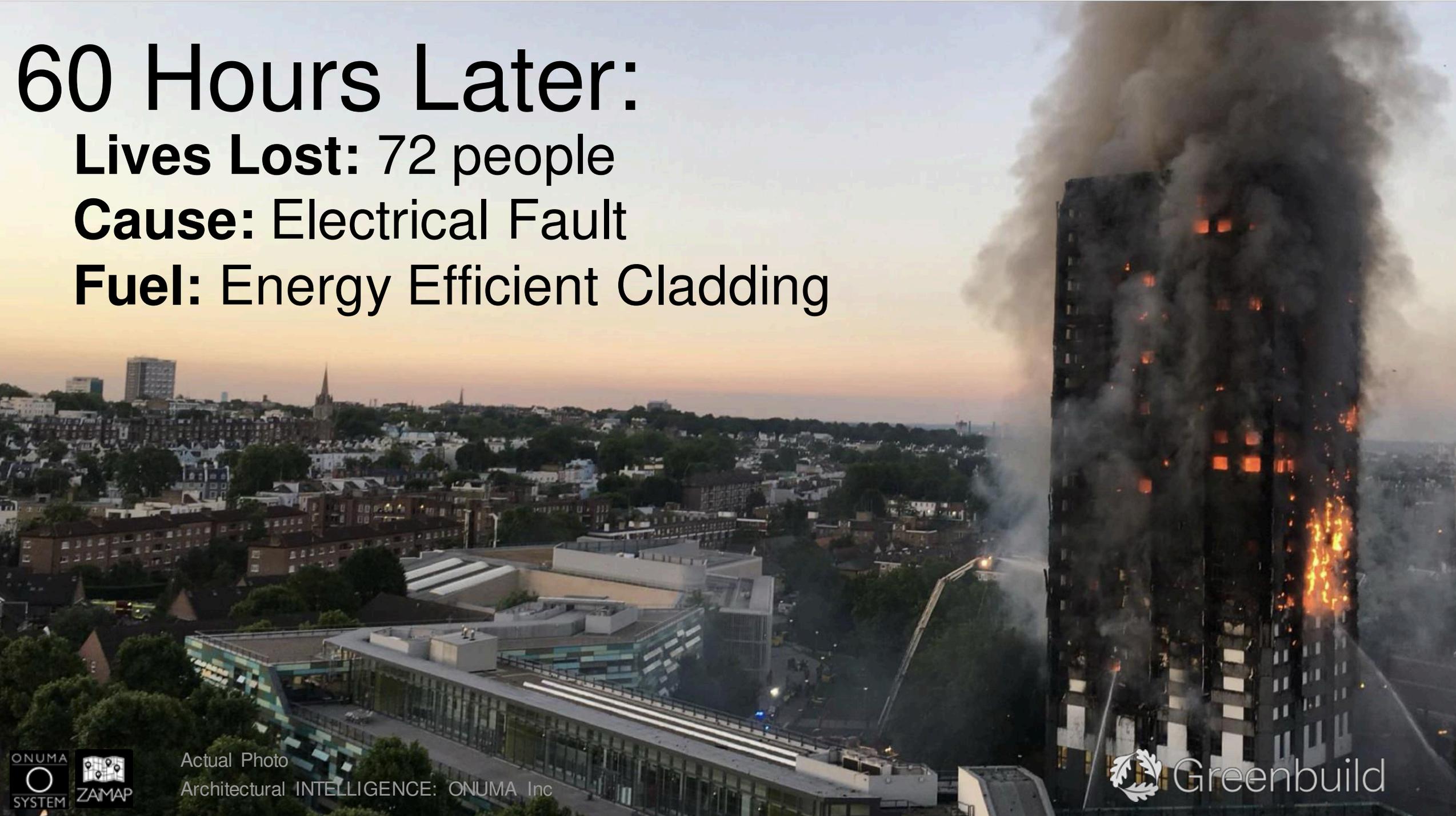


# 60 Hours Later:

**Lives Lost:** 72 people

**Cause:** Electrical Fault

**Fuel:** Energy Efficient Cladding



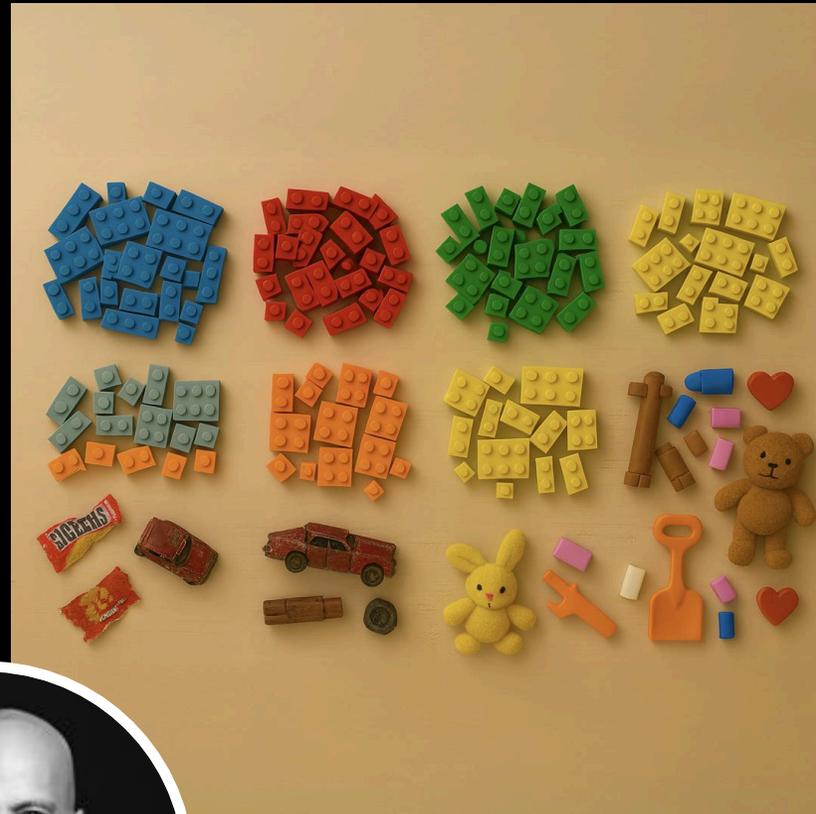
# Why Are Smart Buildings and Cities...Dumb?

© Kimon Onuma February 24, 2025 Articles



Silos  
Proprietary  
No Sharing  
Black Boxes

# Building Informed Environments



Kimon Onuma, FAIA, ONUMA Inc.

# Intelligent Program Requirements for Planning



**Healthcare BIM Room Templates**

SEARCH

- Classroom
- Dental
- Exam

**Exam (11)**



**EXEN1 - Exam, Ent**  
Area: 120 SF  
Type: Exam  
Total Components: 24  
Select Quantity:



**EXDS1 - Exam, Speech-Language Pathology**  
Area: 120 SF  
Type: Exam  
Total Components: 30  
Select Quantity:



**EXRG0 - Exam Room, VA**  
Area: 120 SF  
Type: Exam  
Total Components: 25  
Select Quantity:



**EXRG3 - Exam Room, Air Force**  
Area: 120 SF  
Type: Exam  
Total Components: 28  
Select Quantity:

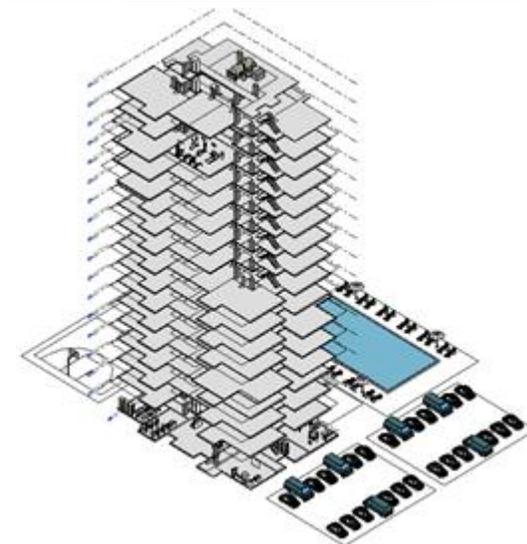
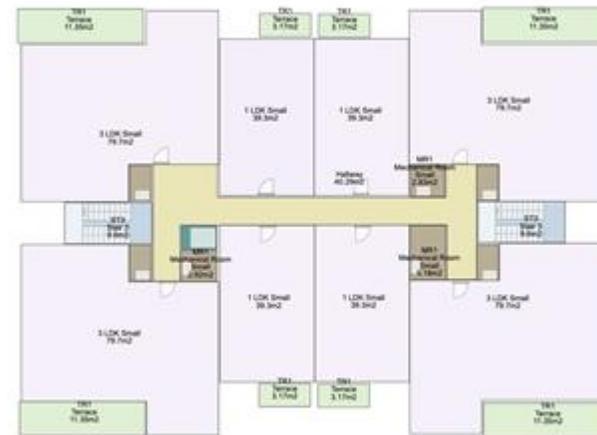


**EXRG4 - Exam, Screening**  
Area: 120 SF  
Type: Exam  
Total Components: 24  
Select Quantity:



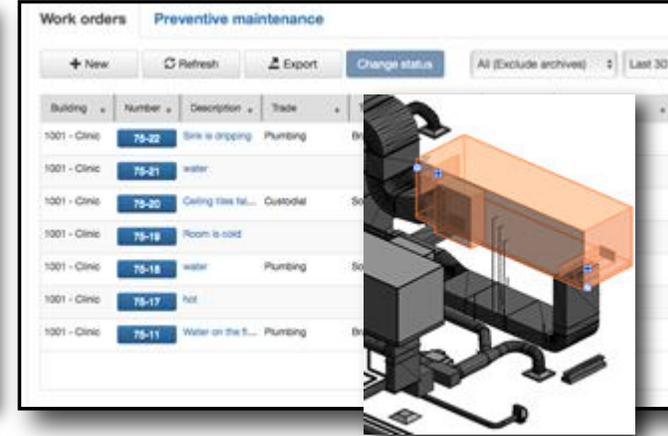
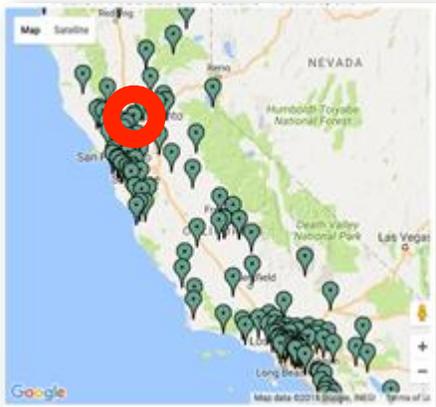
**EXRG6 - Exam, Isolation, Negative Pressure**  
Area: 180 SF  
Type: Exam  
Total Components: 27  
Select Quantity:

[↑ TO TOP](#) [CART](#)



# Largest District in the US

California Community Colleges (CCC)



72 CCC Districts  
~90M SF as BIMs  
Digital Twins  
& GIS

112 Campuses  
9 Campuses in LA

5,000 Existing Buildings  
**Constant** Change  
~ 50 New Buildings / Year

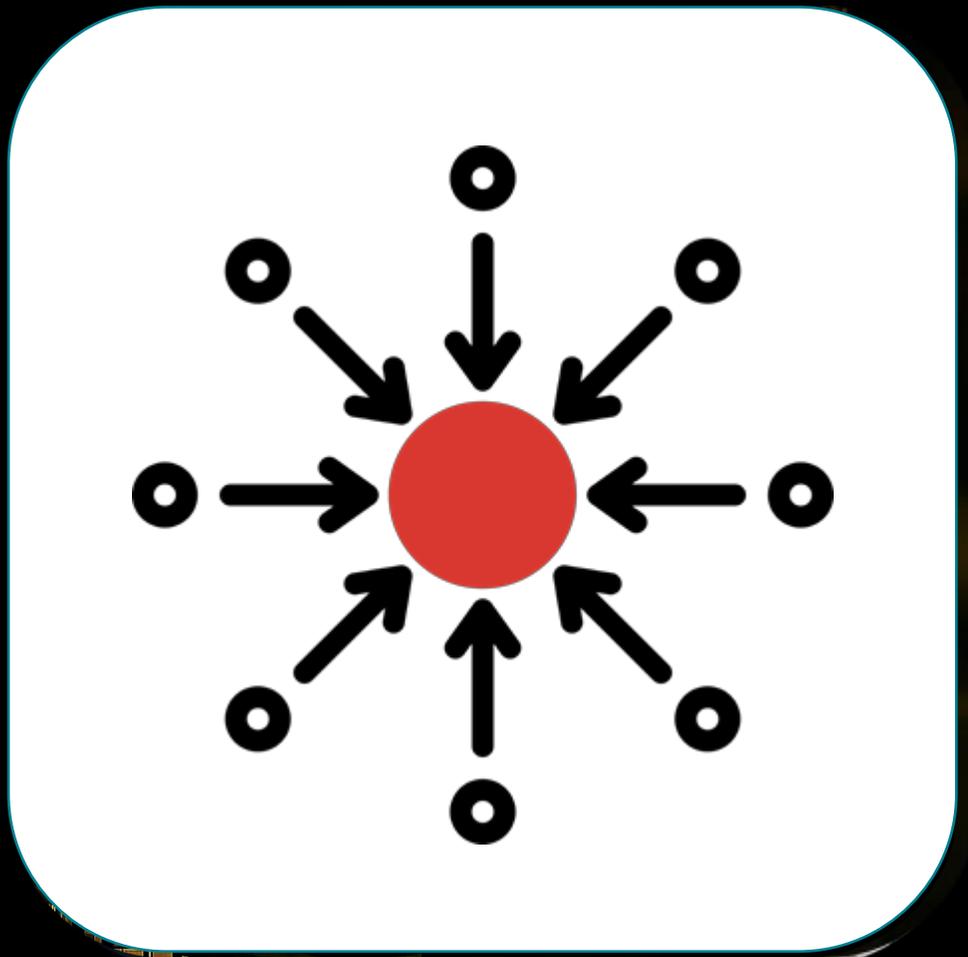
Thousands of Work  
Orders a Day  
Asset Management



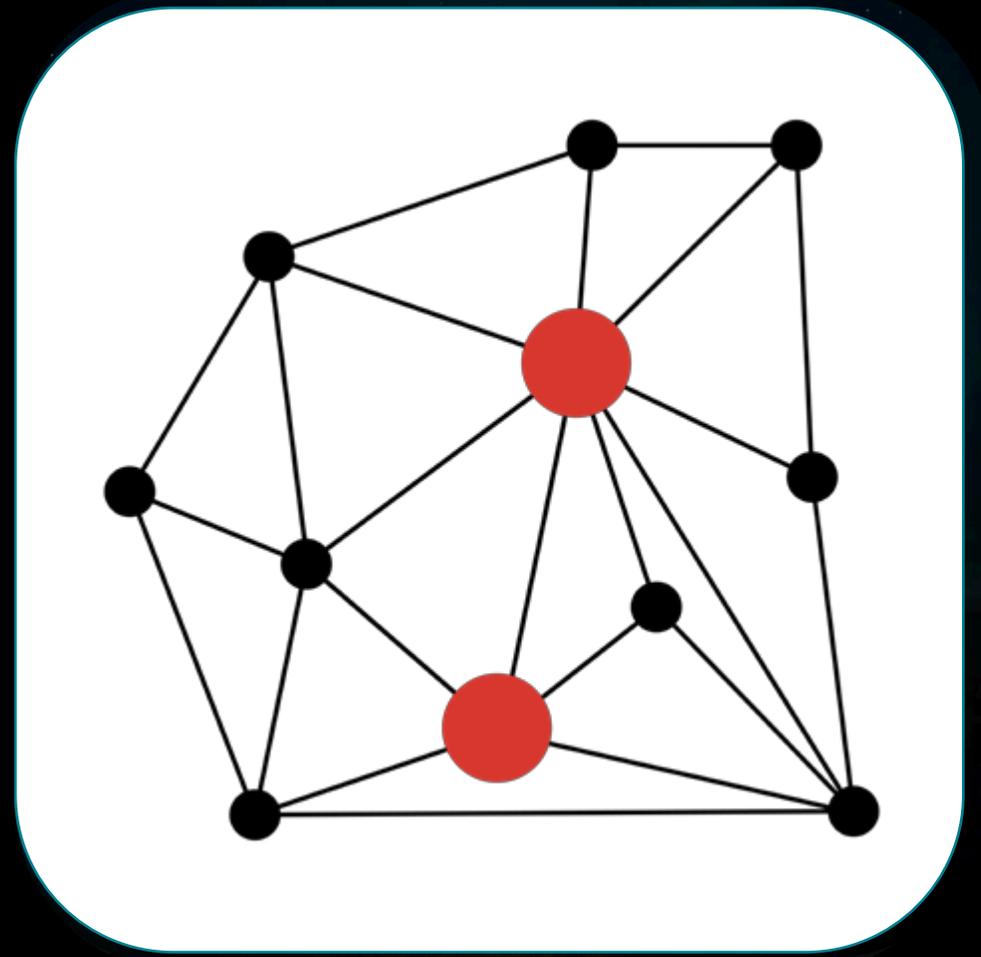
Architectural INTELLIGENCE: ONUMA Inc



# CLOSED

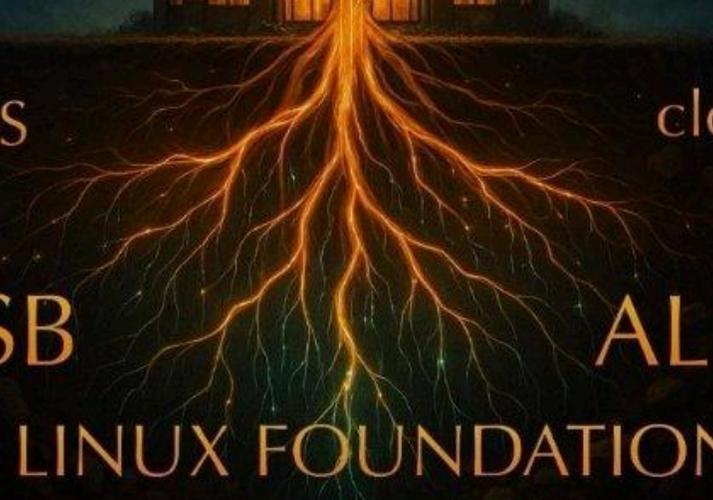


# OPEN



It's Alive!  
2025

PAE Living  
Building



NIST ASHRAE 223P GIS

PADI SkyCentrics IFC

Arete Collectus

**C4SB**

RDF BRICK SCHEMA

cloudBIM PNNL COBie

ONUMA

REAL ESTATE CORE

PROJECT HAYSTACK

**ALN**

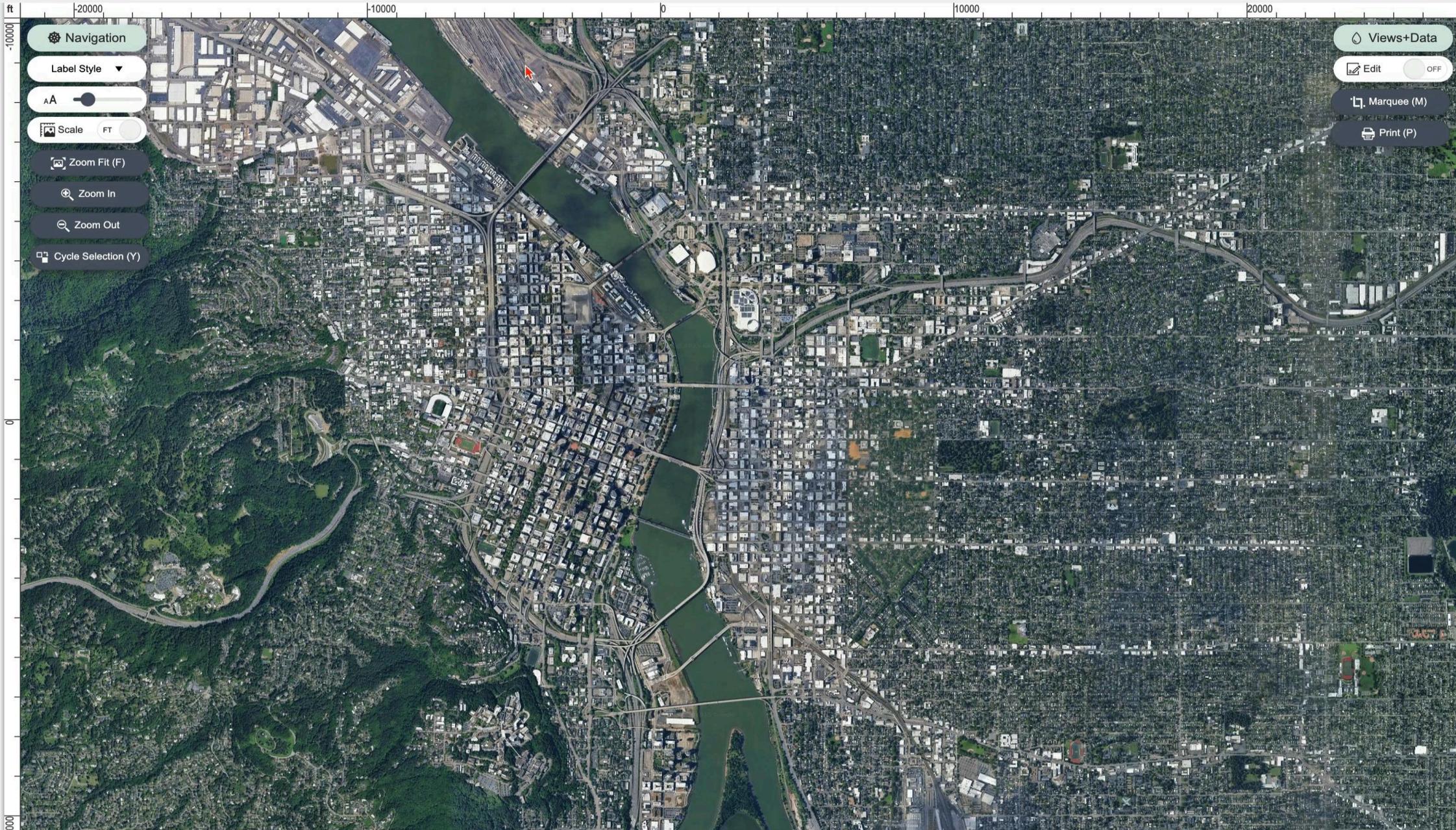
LINUX FOUNDATION

### BIM Navigation

Search element

Search all

- PAE Living Building
  - + IBB-1 - PAE Smart Living Building



ft  
-20000  
-10000  
0  
10000

- Navigation
- Label Style
- AA
- Scale FT
- Zoom Fit (F)
- Zoom In
- Zoom Out
- Cycle Selection (Y)

To 3D building To 3D floor

Views+Data

Edit OFF

Marquee (M)

Print (P)

# PAE Living Building and Digital Twin

**BIM Navigation**

Search element

Search all

PAE Living Building

- IBB-1 - PAE Smart Living Building
  - T.O. PENTHOUSE
  - Roof
  - LEVEL 5
  - LEVEL 4
  - LEVEL 3
  - LEVEL 2
  - LEVEL 1A
  - LEVEL 1
    - 127 - Battery Room
    - 112 - BICYCLES
    - 111 - CHANGE
    - 109 - CHANGE
    - 124 - COMPOST
    - 119 - CORR
    - 130 - CORR
    - 123 - ELEC
    - 128 - ELEC.
    - 102 - ELEV.
    - 114 - EXERCISE
    - 115 - EXIT PASSAGEWAY
    - F 101 - Facil BAS Assets
    - 122 - FDC
    - IBB 101 - IBB BAS Assets
    - IBB 101 - IBB MEP Assets
    - 110 - JAN.
    - 116 - LOBBY
    - 113 - LOCKERS
    - 126 - Main Electrical Room
    - 129 - MDF/EF The Cage
    - 125 - PLUMBING
    - 120 - RECYCLING
    - 118 - RETAIL 1
    - 121 - RETAIL 2

**PAE Smart Living Building ( IBB-1 )**

Energy Monitoring: Battery, Utility, PV1, PV2 (24-hour view)

Previous Day Oct 30, 2025 Next Day

**Energy Sources - Thursday, October 30, 2025**

Power (kW)

00:00 04:00 08:00 12:00 16:00 20:00

— Battery Charge % — Battery — Utility — PV1

**Building Information**

|                           |                             |                              |                              |
|---------------------------|-----------------------------|------------------------------|------------------------------|
| 04-Initial Occupancy Year | [04-Initial Occupancy Year] | 72-Building Age              | [72-Building Age]            |
| 07-Gross Area             | [07-Gross Area]             | 08-E and G Status            | [08-E and G Status]          |
| 11-Floors                 | 9 Floors                    | 13-Historic                  | [13-Historic]                |
| 14-Link 1                 | Link 1                      | 15-Utilities and Energy Link | 15-Utilities and Energy Link |
| 18R-Projects              | [18R-Projects]              | 19R-Number of                | [19R-Count the               |

Revert Save Close Enter Building

To 3D building To 3D floor

Views+Data

Edit OFF

Marquee (M)

Print (P)



SkyCentrics

Stephen Loftrop

Dashboard

Default Battery % BESS Lighting Metering ACCU HPWV DBV GADR Solar PV PV Limits Reactive Power

Last 7 days Resolution: 5min

12:00 AM 6:00 AM 12:00 PM 6:00 PM 12:00 AM

List Save and return to list Save

#3342-19171 (Assigned) BESS\_STATE\_OF\_CHARGE (Battery Charge) is below 15%

| Request | Location                          | Assignment | Tasks                      | Completion |
|---------|-----------------------------------|------------|----------------------------|------------|
| PAE     | IBB-1 - PAE Smart Living Building | LEVEL 1    | 126 - Main Electrical Room |            |

optional

Attach component(s) from selected space

No component selected (optional)

- 1543 | PAE - Generic Equipment | Standard
- 109 | PAE - Thermostat |
- 108 | PAE - Thermostat |
- L 1016 | PAE - Ground Bar | Standard
- FCU-105 | PAE - Generic Mech Eqpm | PAE - Generic Mech Eqpm
- 85 | PAE - Panelboard | 1 - Surface | Standard

ONUMA.com

Label Style

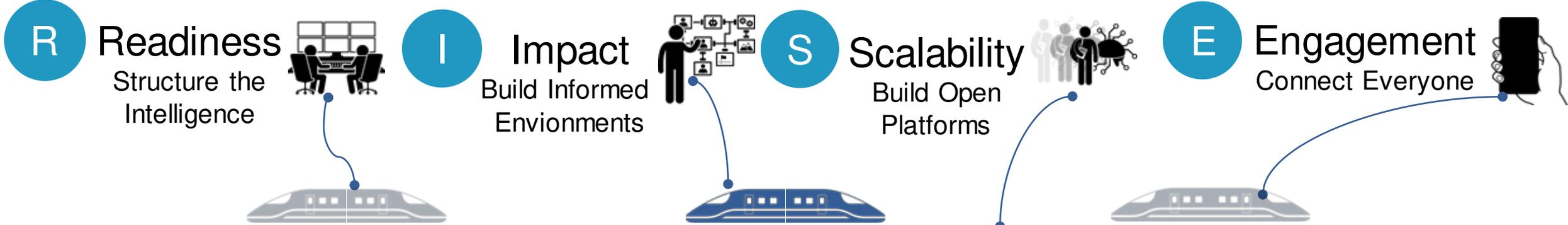
Zoom Extent

Attachments Select files...

Drop files here to upload

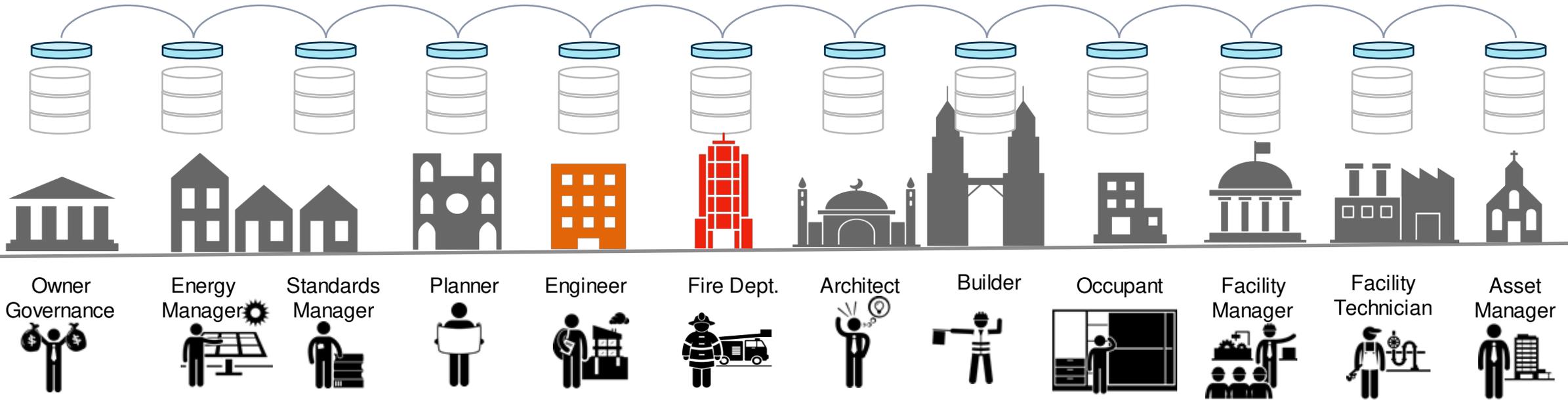


# The Architecture for Intelligent Sustainable Cities



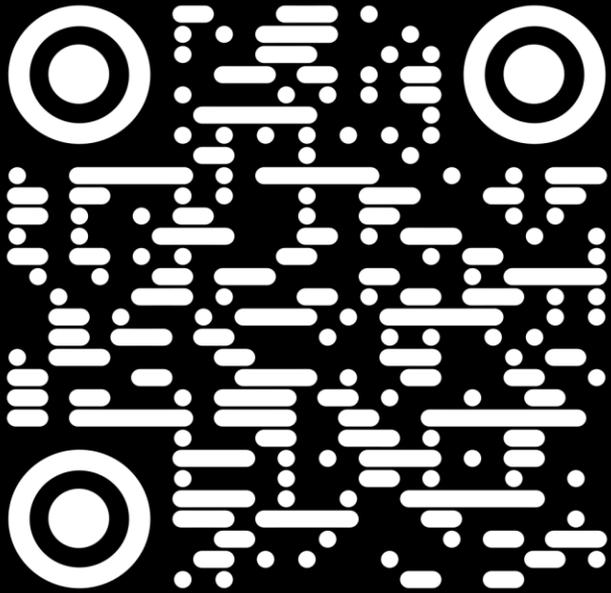
 **THE LINUX FOUNDATION**

 **CSB FOUNDATION**

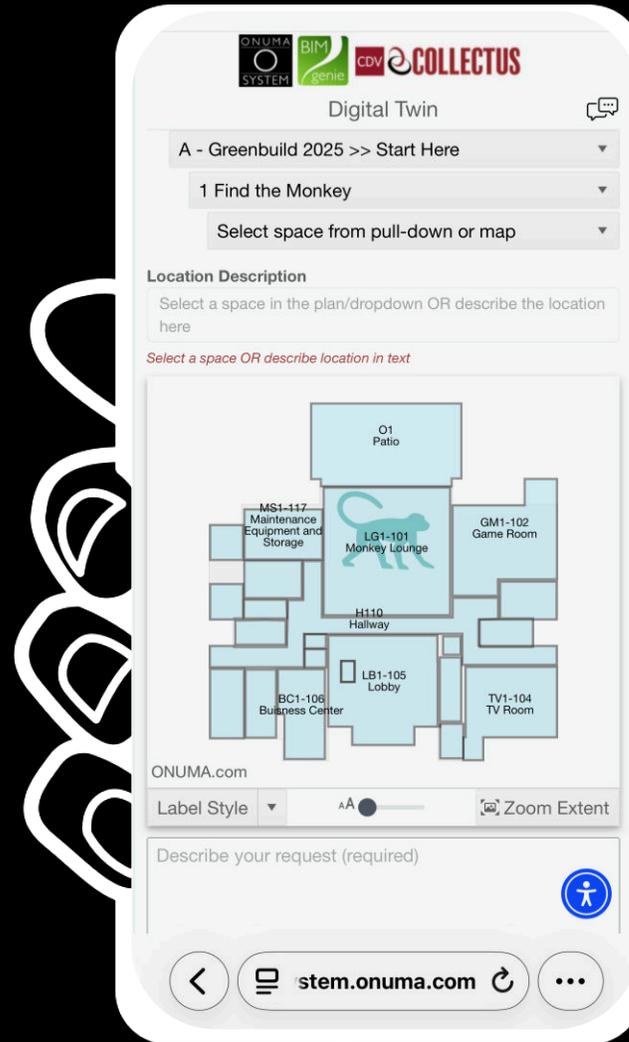


# AI: LEAD with INTELLIGENCE

Kimon Onuma, f.A.I.a



Greenbuild Digital Twin





## **Leo Salce**

Principal & CEO  
AVANT LEAP

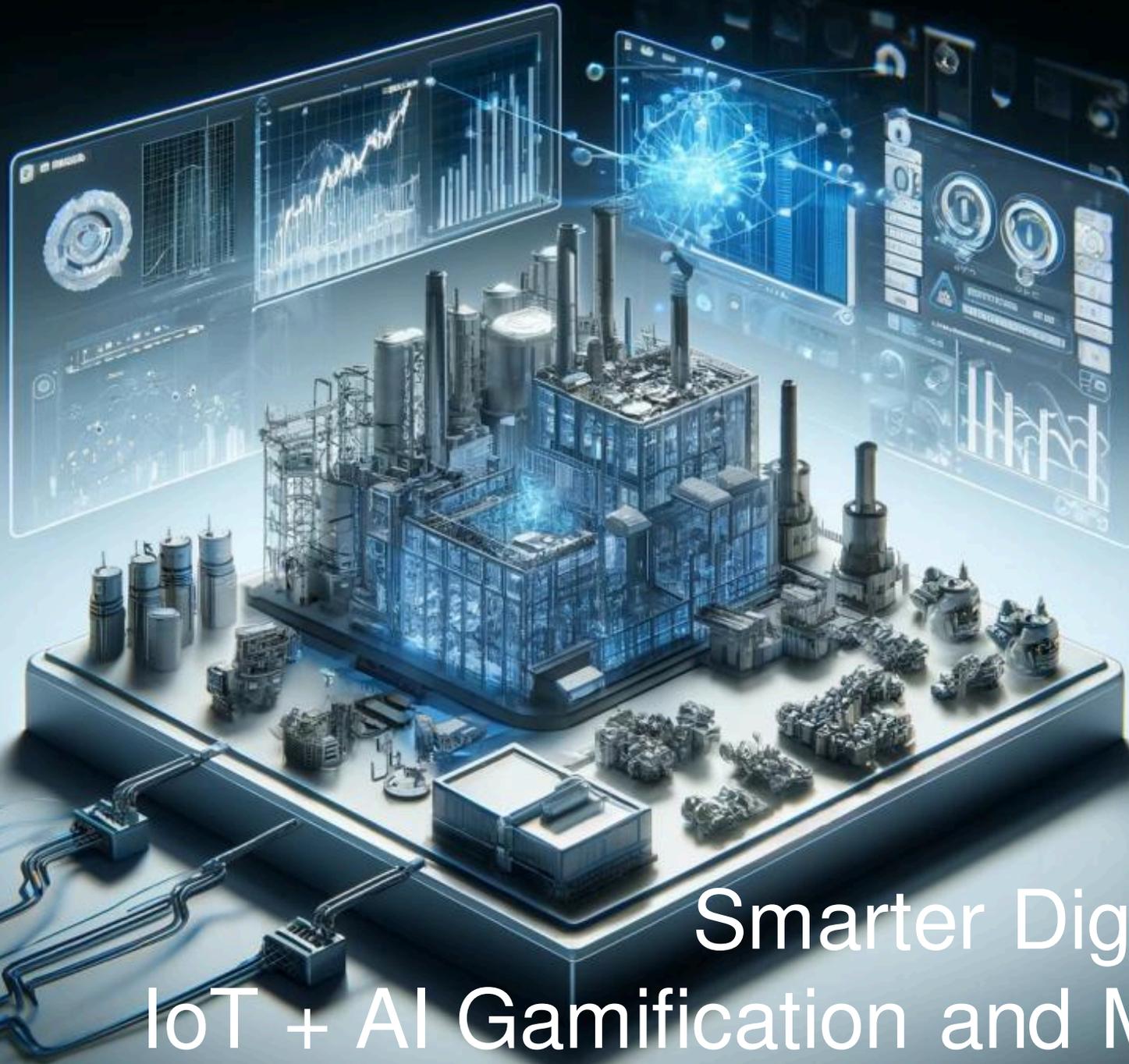
I'm the Principal and CEO of Avant Leap, where I lead strategy and innovation for cutting-edge solutions across the building lifecycle. With over 20 years of experience as an Architect, Technology Strategist, and Consultant, I specialize in implementing next-generation technologies, ranging from AI-powered BIM and smart digital twins to integrated BIM + IoT + AI systems for operations and maintenance.

My career blends architecture, computer science, and sustainability to drive digital transformation in design, construction, and asset management. I'm passionate about sharing knowledge and regularly speak at global conferences on topics including smart digital twins, AI in AEC, and emerging visualization technologies.

I've authored multiple publications, filed patents, and led the development of innovative, real-world applications of emerging tech. I'm a registered architect in the Dominican Republic, a LEED Accredited Professional, and an International Associate of the American Institute of Architects (AIA).

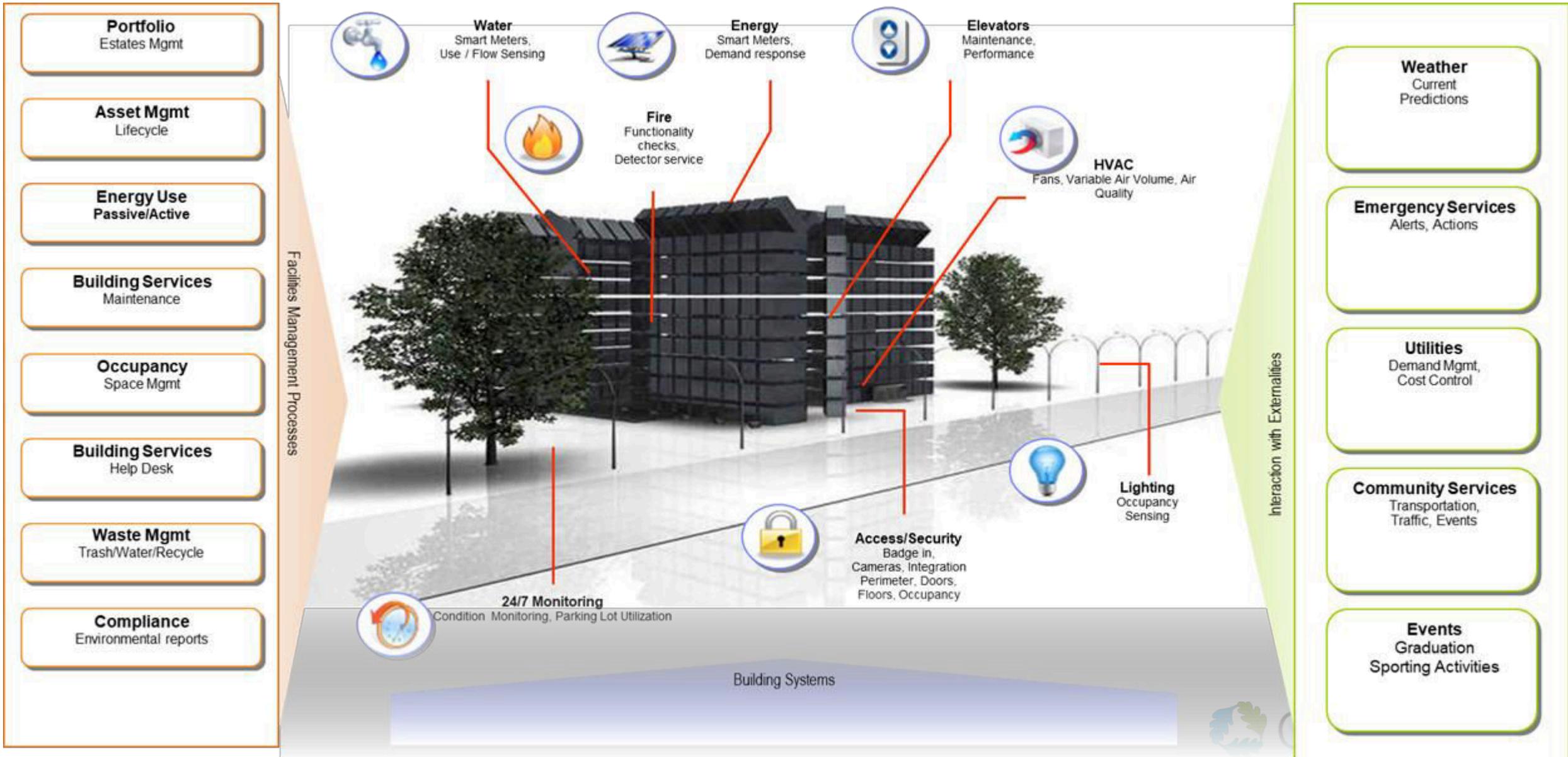


**Leo Salce**  
Principal & CEO  
AVANT LEAP

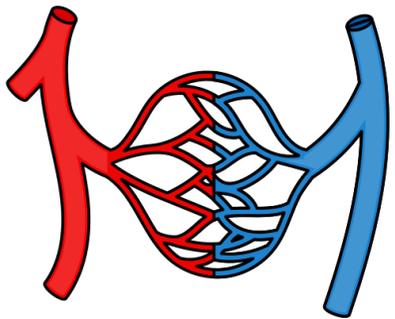
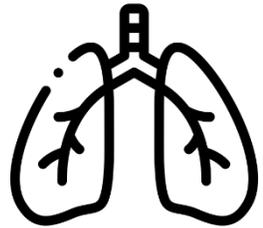


Smarter Digital Twins  
IoT + AI Gamification and Modularity

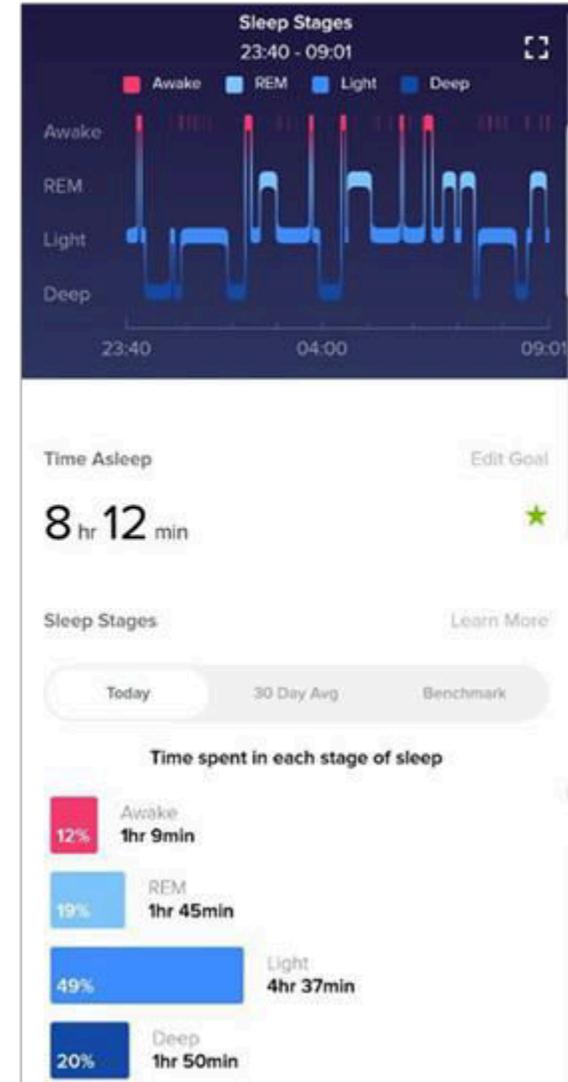
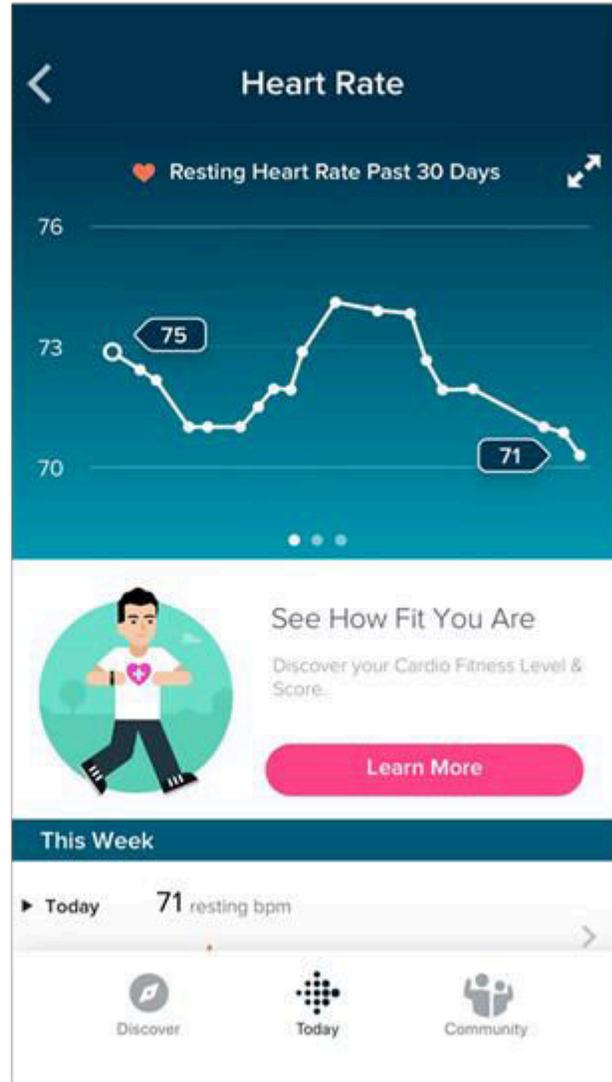
# When buildings talk...do we listen?



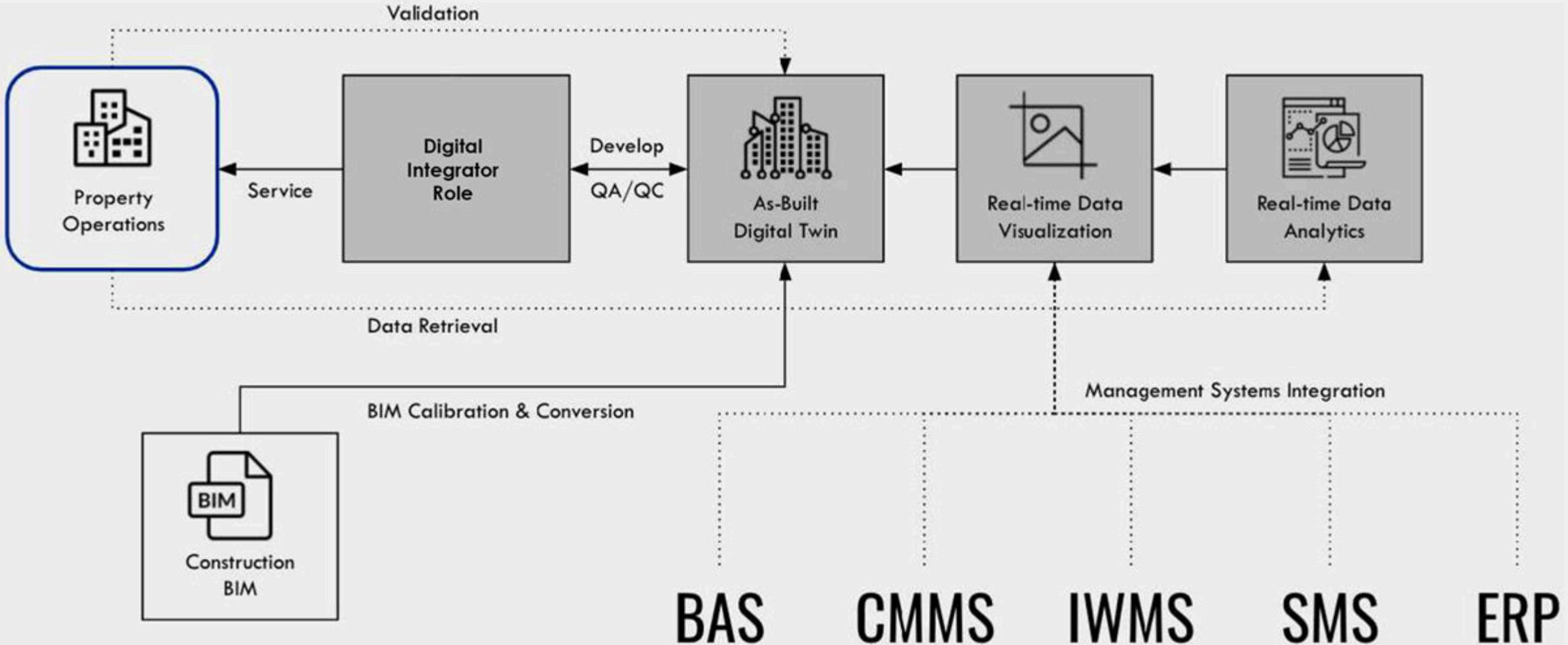
# Enabling Insights



# Enabling “Smart” - Fitbit Approach



# Open Source & Custom Tech stack Strategy





# Sense Explorer

Temperature

## Show Heatmap



Temperature

Indoor Temperature (°F)



## Current Data



CR 223 W Wall



### Sense EQ

CO2 Level 712 ppm →

VOC Index 9 →

Temperature 77°F →

Humidity 55% →

Light Intensity 1,400 lux →

Color Intensity 5600K →

Sound Pressure 61.5 dBA →

## Show Devices



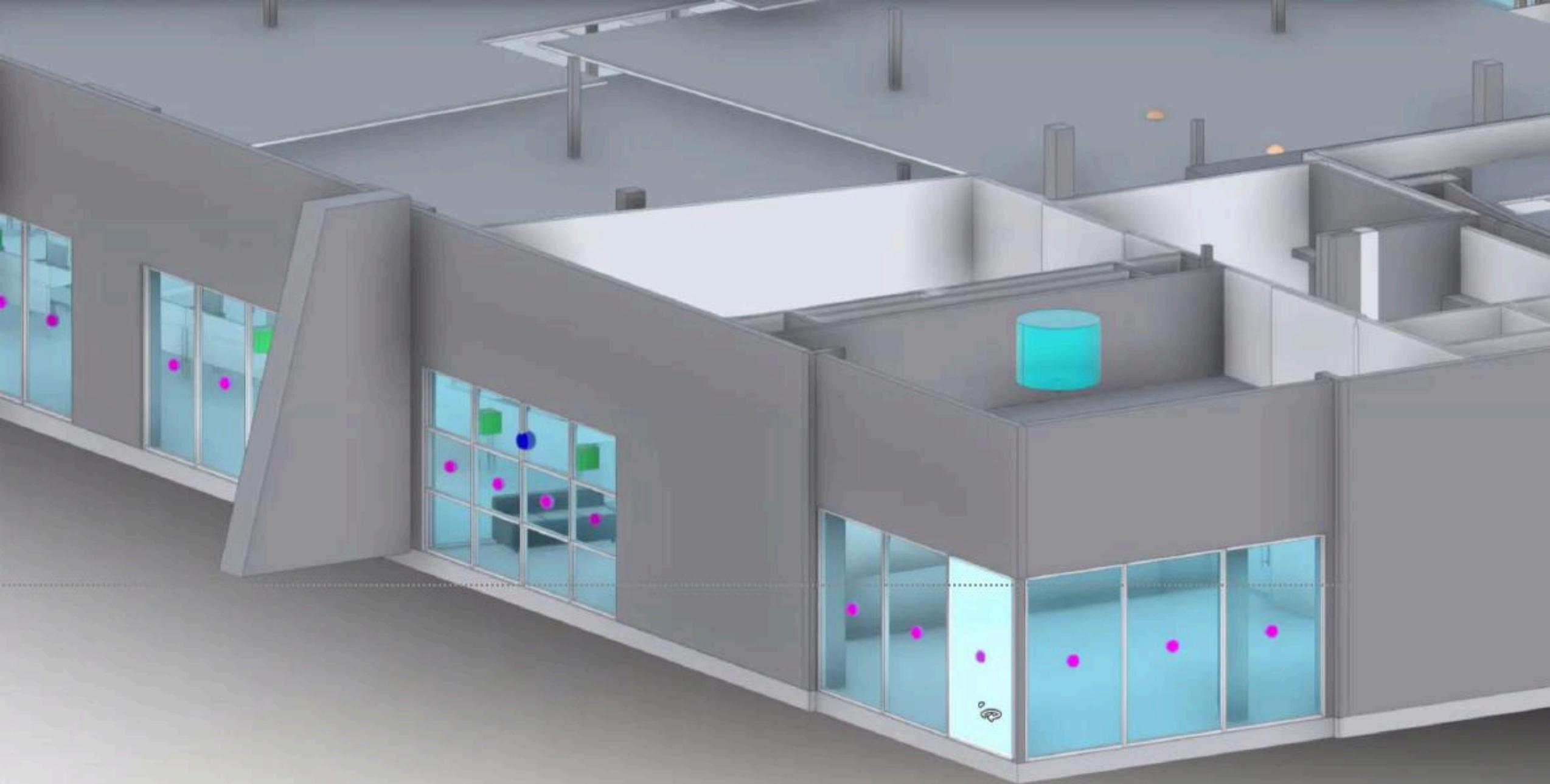
13 POIs

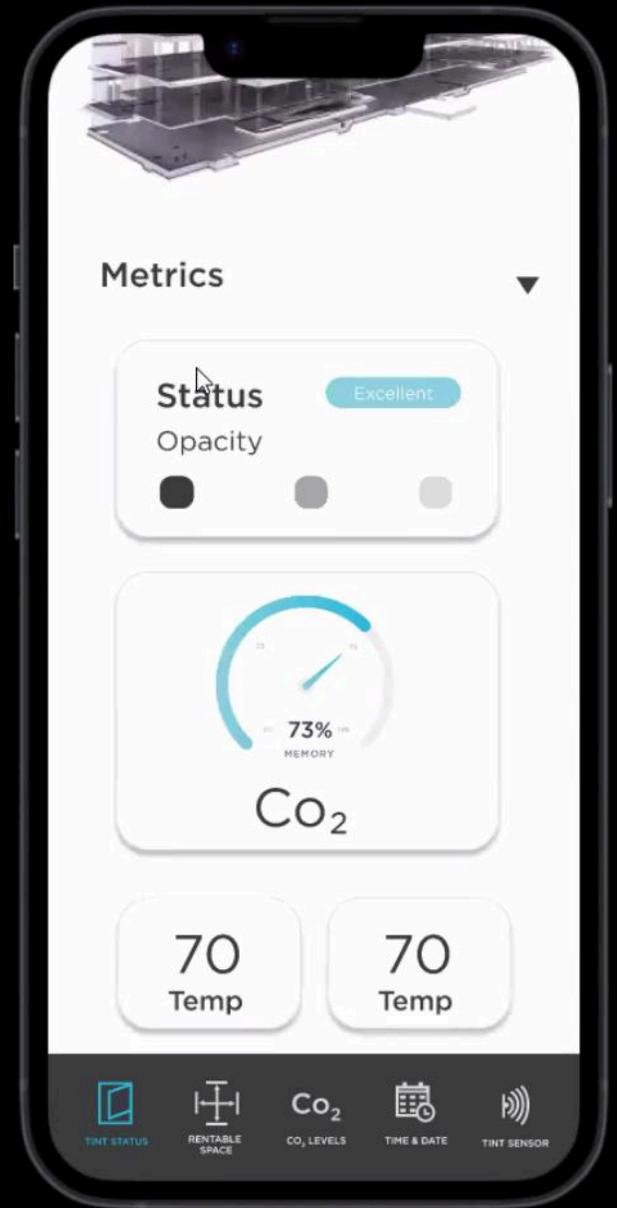
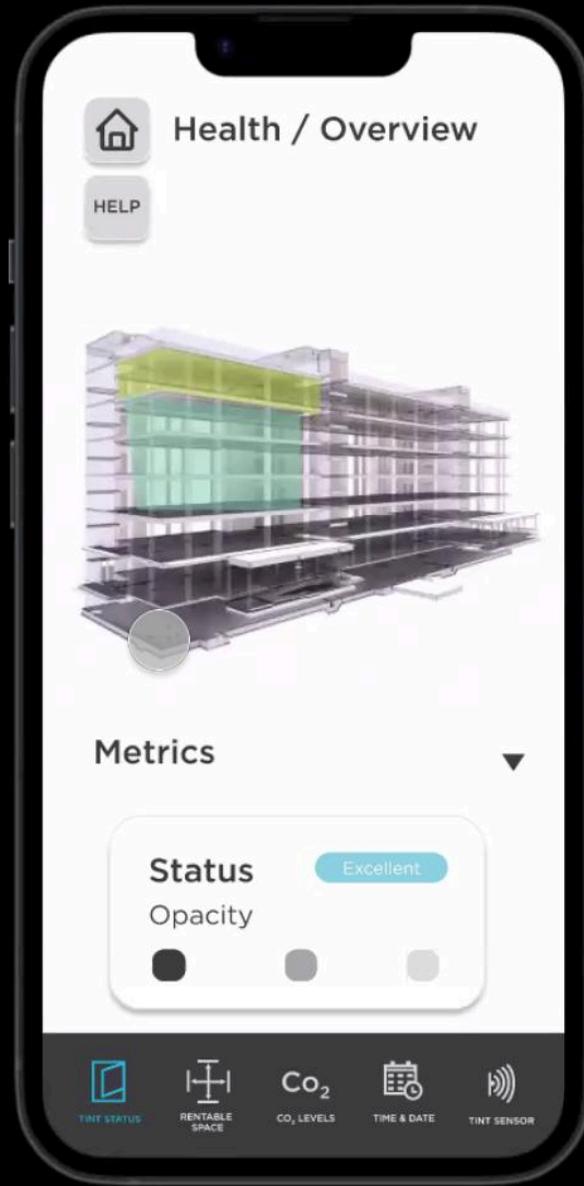
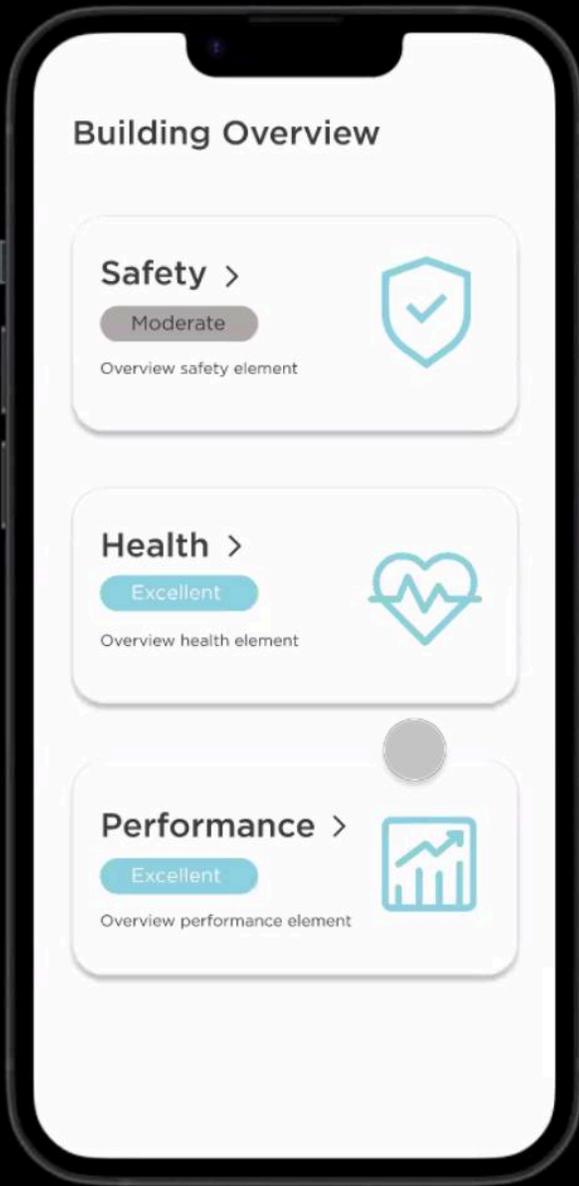
45 active devices

1 offline POI

2 inactive devices







# 首都机场集团北京大兴国际机场一体化运维平台

Beijing Daxing International Airport (BDIA) Integrated Operation and Management Platform

电力资源管理

照明控制分析

空调控制分析

系统设置

异常记录

基础数据

退出登录

## TM1概况

单位:A

1887

总余量



4

本月异常数



613 / 2500

已使用容量

容量上限

24.5%

使用率

829 / 613

利用峰值

已使用容量

33.1%

已使用容量利用率

613 / 802

当前使用

本月峰值

## TM2概况

单位:A

1478

总余量



24

本月异常数



1022 / 2500

已使用容量

容量上限

40.9%

使用率

1381 / 1022

利用峰值

已使用容量

55.2%

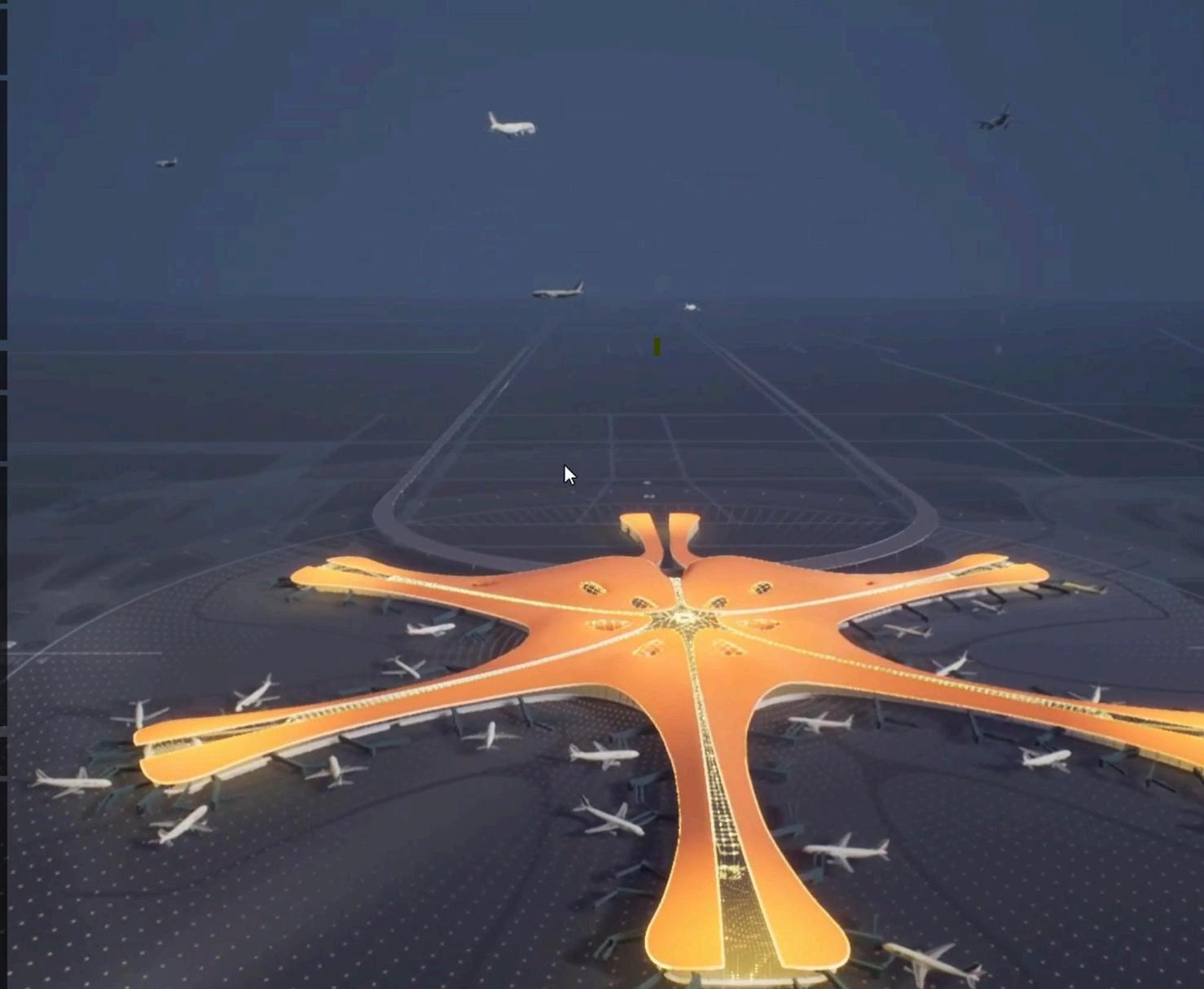
已使用容量利用率

1023 / 1337

当前使用

本月峰值

## 24小时实际使用率(%)分析



## 照明优化总体概况

127

优化数

200

设备总数

63.5%

照明优化指数

1675kWH

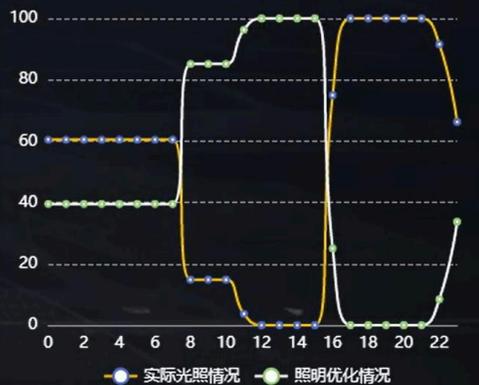
本月节能指数

1675kWH

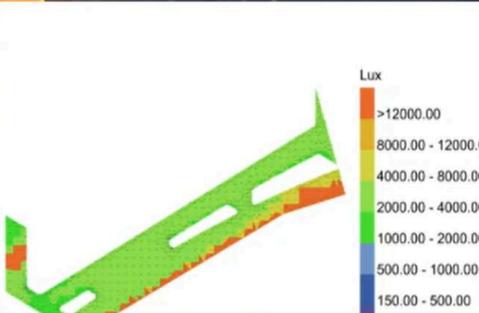
历史节能指数

## 24小时照明优化分析

单位:kVA



## 实时照度参数可视化分析



TM1概况

1887  
总余量

613 / 2500  
已使用容量 容量上限

829 / 613  
利用峰值 已使用容量

613 / 802  
当前使用 本月峰值

TM2概况

1478  
总余量

1022 / 2500  
已使用容量 容量上限

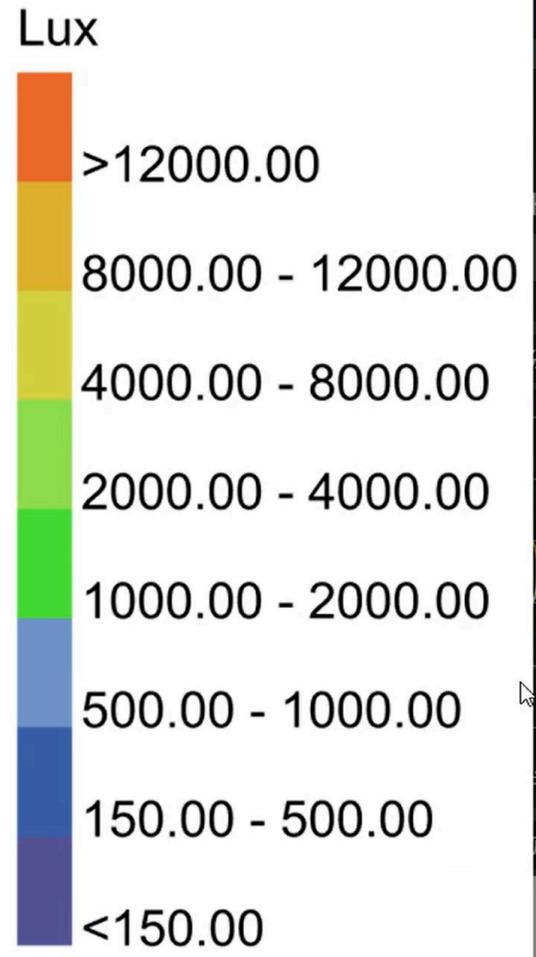
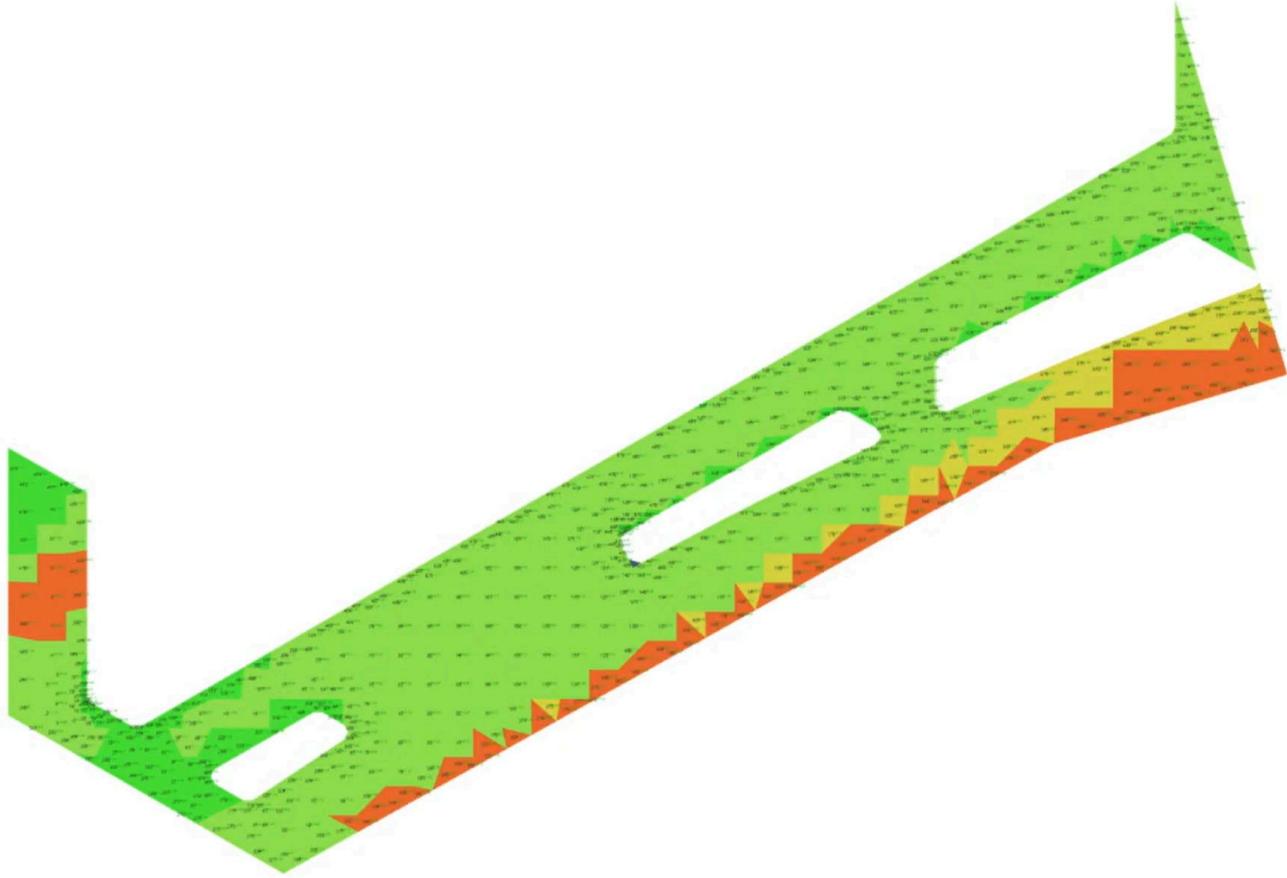
1381 / 1022  
利用峰值 已使用容量

1023 / 1337  
当前使用 本月峰值

24小时实际使用率(%)分析



Sustainability  
Impact

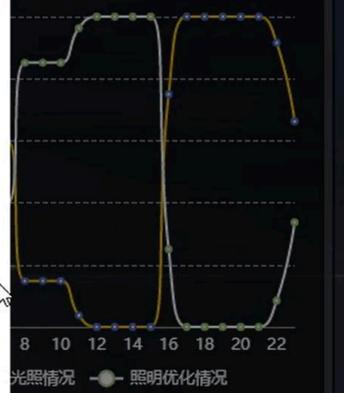


200  
设备总数

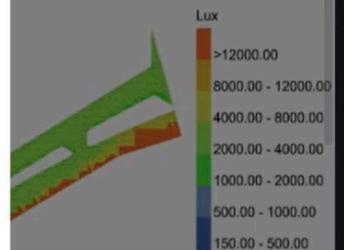
63.5%  
照明优化指数

1675kWh  
历史节能指数

分析 单位:kVA



可视化分析



## TM1概况

单位:A

1887

总余量



4

本月异常数



613 / 2500

已使用容量 容量上限



829 / 613

利用峰值 已使用容量



613 / 802

当前使用 本月峰值



已使用容量利用率

## TM2概况

单位:A

1478

总余量



24

本月异常数



1022 / 2500

已使用容量 容量上限



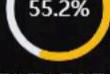
1381 / 1022

利用峰值 已使用容量



1023 / 1337

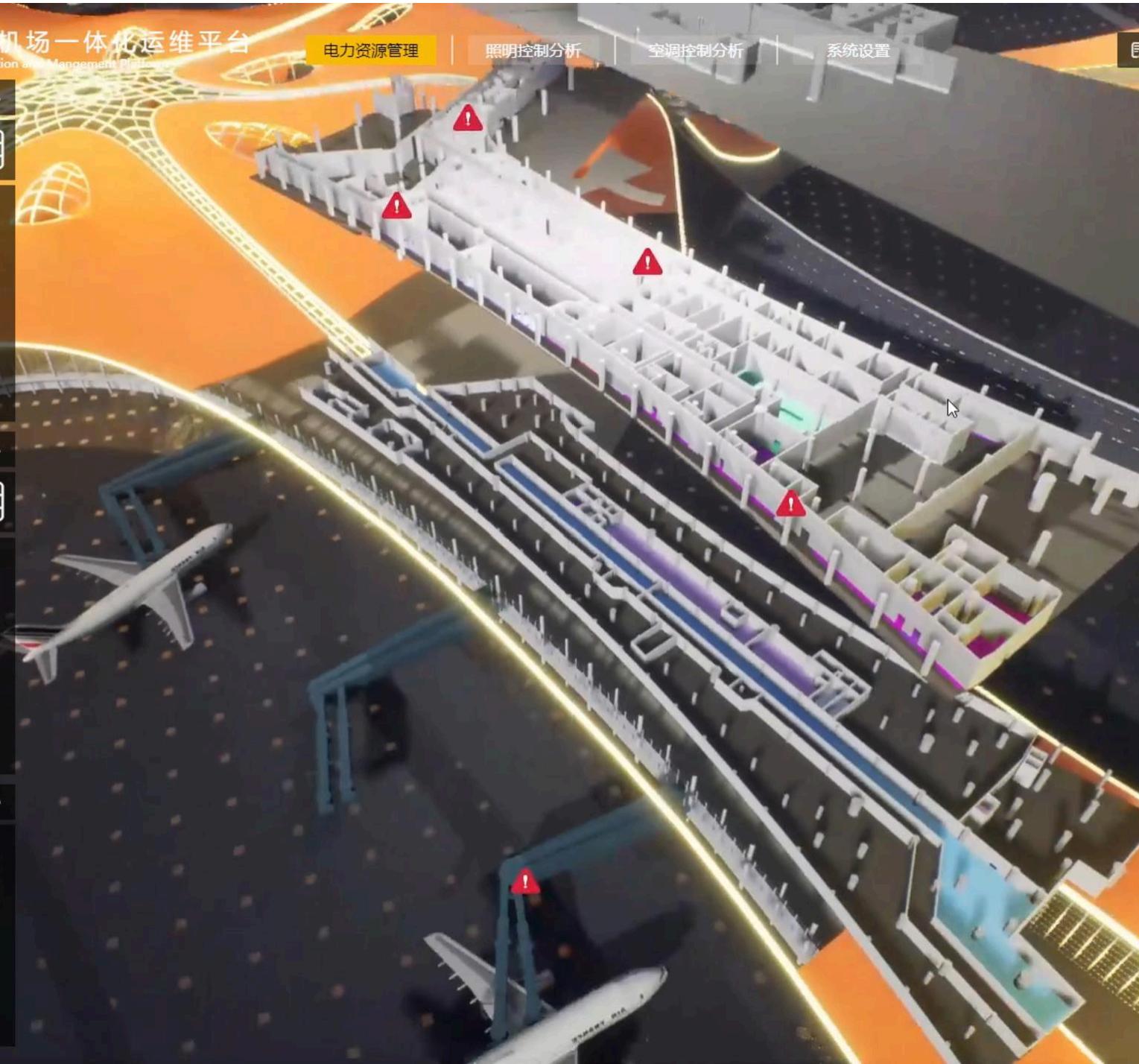
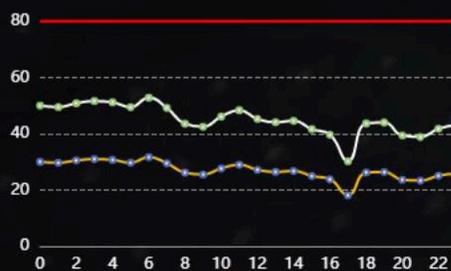
当前使用 本月峰值



已使用容量利用率

## 24小时实际使用率分析

单位:%



## 异常列表

隐藏所有楼层

| 设备编号               | 异常次数 |
|--------------------|------|
| T2BF1J3-AL/SY-...  | 5    |
| T2BF1J2-AKP/45-... | 1    |
| T2BARF1-G04-AK...  | 4    |
| T2BARF1-AR01-A...  | 10   |
| T2BF1J2-AK2/AR...  | 10   |



异常列表



异常分析



负荷分析



负荷管理



电表列表

F2

F1

B1



Environmental Sensor Panel

Real-time Device View

Environmental Parameter

AQI 
  Temperature 
  Humidity 
  PM 2.5 
  PM 10 
  HCHO 
  CO2

Environmental ViewMore

AQI **48**  
GOOD

CarbonEmission

587 TCO<sup>2</sup> This Year

49 TCO<sup>2</sup> This Month

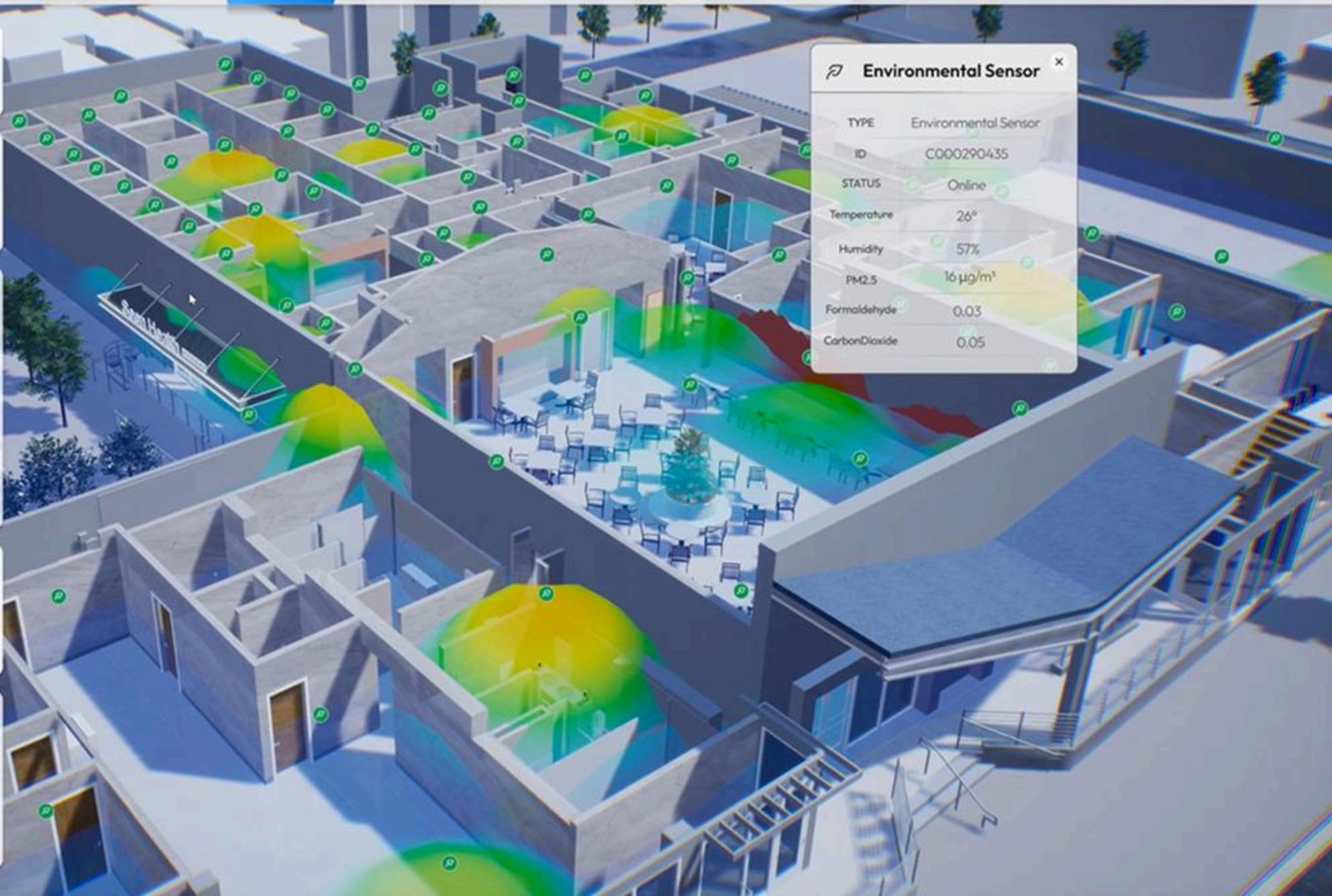
5.2 TCO<sup>2</sup> This Day

Environmental Monitor Event

|                  |                |       |         |
|------------------|----------------|-------|---------|
| 2024/10/28 18:23 | Humidity       | 82%   | Anomaly |
| 2024/10/28 18:00 | Temperature    | 27°   | Anomaly |
| 2024/10/28 18:00 | Carbon Dioxide | 0.048 | Anomaly |
| 2024/10/28 18:00 | Carbon Dioxide | 0.048 | Anomaly |

Environmental Sensor

|               |                      |
|---------------|----------------------|
| TYPE          | Environmental Sensor |
| ID            | C000290435           |
| STATUS        | Online               |
| Temperature   | 26°                  |
| Humidity      | 57%                  |
| PM2.5         | 16 µg/m <sup>3</sup> |
| Formaldehyde  | 0.03                 |
| CarbonDioxide | 0.05                 |





Energy Sensor Time

● Real-time

Energy Sensor Type



Electricity



Water



Gas

Energy Consumption Ranking



Water Consumption

**587** <sup>T</sup>

This Month

Electricity Consumption

**142** <sup>KWh</sup>

This Month

Gas Consumption

**52<sup>3</sup>**

This Month

Energy

[View More](#)

**97%**  
Number Of EnergySor

**288**  
Total Number Of Energy Sensor





People Sensor
✕

**Frank Sinatra**

|         |                     |
|---------|---------------------|
| Type    | KeyPatients         |
| Age     | 72                  |
| Symptom | Alzheimer's Disease |

### 本月总能耗

TOTAL ENERGY CONSUMPTION

542 kwh

同比 +10%  
环比 -5%

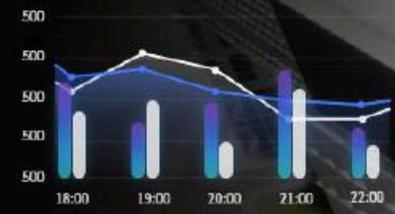
实际能耗 542  
计划能耗 570

60%

1台 主变台数  
150kVA 运行容量  
340个 计量点数

### 能耗逐时分布

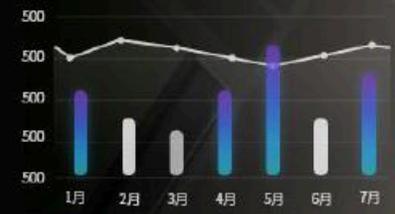
HOURLY DISTRIBUTION OF ENERGY CONSUMPTION



查看详情

### 年度能耗统计分析

YEARLY DISTRIBUTION OF ENERGY CONSUMPTION



查看详情

- 14:20 2号楼2层#567设备温度过高!
- 14:10 2号楼2层#567设备温度异常关机!
- 14:05 2号楼2层#567设备温度异常关机!
- 14:00 2号楼2层#567设备温度异常关机!

6

- 综合能耗分析
- 综合对比分析
- 计划对比分析
- 租户能耗分析
- 招商鉴定分析
- 总能耗逐时分析
- 总能耗年度分析
- 租户能耗分析
- 电表统计
- 能耗计划
- 能耗拓扑

能耗分析

- 综合能耗分析
- 综合对比分析
- 计划对比分析
- 租户能耗分析
- 招商鉴定分析
- 总能耗逐时分析
- 总能耗年度分析
- 租户能耗分析
- 电表统计
- 能耗计划
- 能耗拓扑

安全管控

- 综合能耗分析
- 综合对比分析
- 计划对比分析
- 租户能耗分析
- 招商鉴定分析
- 总能耗逐时分析
- 总能耗年度分析
- 租户能耗分析
- 电表统计
- 能耗计划
- 能耗拓扑

设备监控

- 综合能耗分析
- 综合对比分析
- 计划对比分析
- 租户能耗分析
- 招商鉴定分析
- 总能耗逐时分析
- 总能耗年度分析
- 租户能耗分析
- 电表统计
- 能耗计划
- 能耗拓扑

运维管理

### 系统排名 (月度)

SYSTEM RANKING

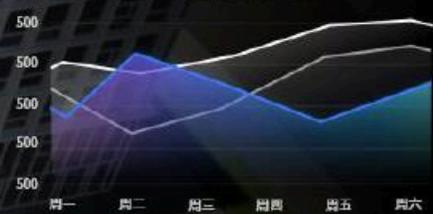


| 分类     | 计划(kwh) | 实际(kwh) | 实际占计划比例 | 占总能耗比 |
|--------|---------|---------|---------|-------|
| HVAC系统 | 23.2    | 2.1     | 105.3%  | 55.2% |
| 室内照明   | 9.2     | 8.8     | 105.1%  | 17.7% |
| 夜景照明   | 2.1     | 2.1     | 103.2%  | 5.1%  |
| LED屏幕  | 0.5     | 0.5     | 95.9%   | 1.1%  |
| 电梯     | 2.2     | 2.2     | 97.8%   | 5.5%  |
| 停车场    | 5.6     | 5.6     | 96.1%   | 11.2% |
| 给排水    | 1.3     | 1.3     | 105.3%  | 2.7%  |
| 动力用电   | 1.27    | 1.4     | 103.2%  | 5.7%  |

查看详情

### 租户能耗曲线

ENTERPRISE ENERGY CONSUMPTION CURVE



查看详情



- 4F
- 3F
- 2F
- 1F
- B1
- B2

- 主视角
- 图纸
- 气候
- 日夜

项目首页

空间分析

能耗分析

安全管控

设备监控

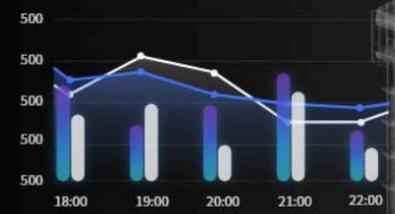
运维管理

本月总能耗  
TOTAL ENERGY CONSUMPTION

542 kwh  
同比 +10%  
环比 -5%

实际能耗 542  
计划能耗 570  
60%

能耗逐时分布  
HOURLY DISTRIBUTION OF ENERGY CONSUMPTION



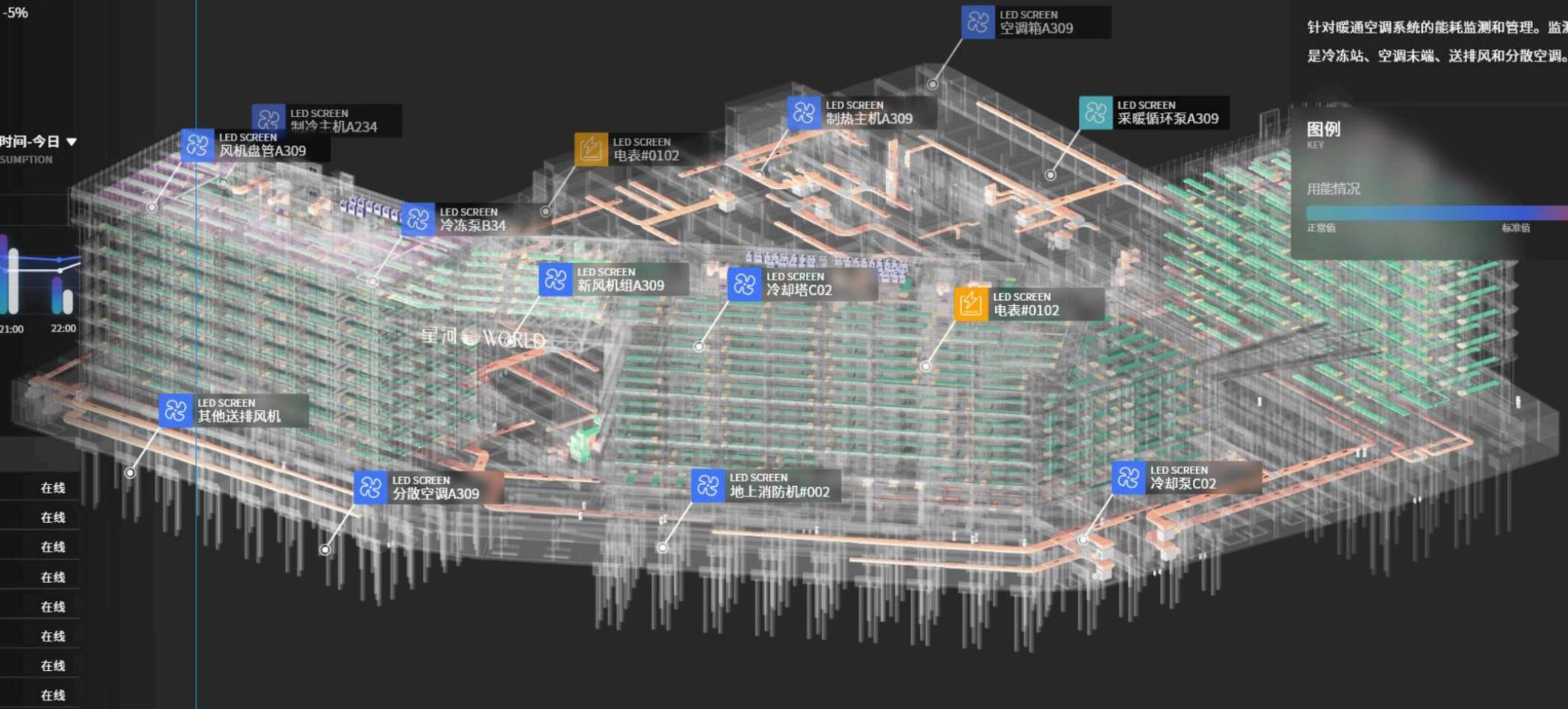
查看详情

电表列表  
ELECTRIC METER LIST

搜索电表

|        |        |    |
|--------|--------|----|
| 电表#001 | 配电室XXX | 在线 |

查看详情



HVAC系统  
HVAC SYSTEM

针对暖通空调系统的能耗监测和管理。监测对象是冷冻站、空调末端、送排风和分散空调。

图例  
KEY

用能情况



### 一氧化碳浓度分析

CO CONCENTRATION ANALYSIS

选择监测时间点对停车场一氧化碳浓度分布进行查看和分析。

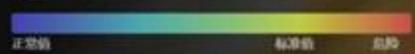
分析周期

一氧化碳检测器

#### 图例

KEY

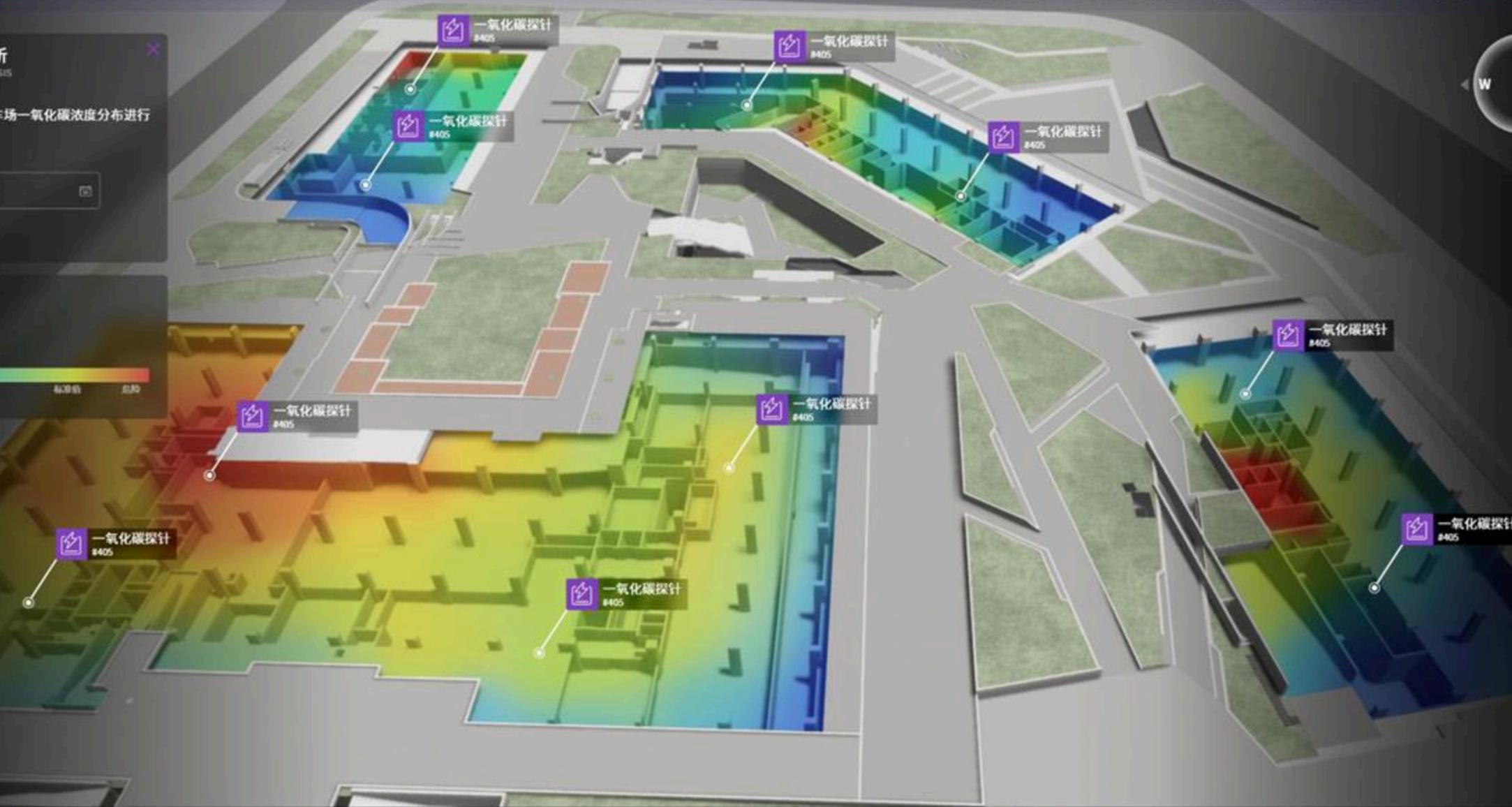
浓度



正常值 超标值 高值



- 4F
- 3F
- 2F
- 1F
- B1
- B2



- 主视角
- 图纸
- 气候
- 日夜

**建筑温度分析**  
BUILDING TEMPERATURE ANALYSIS

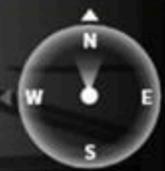
在一段时间内根据设备的故障数量进行着色。

分析周期

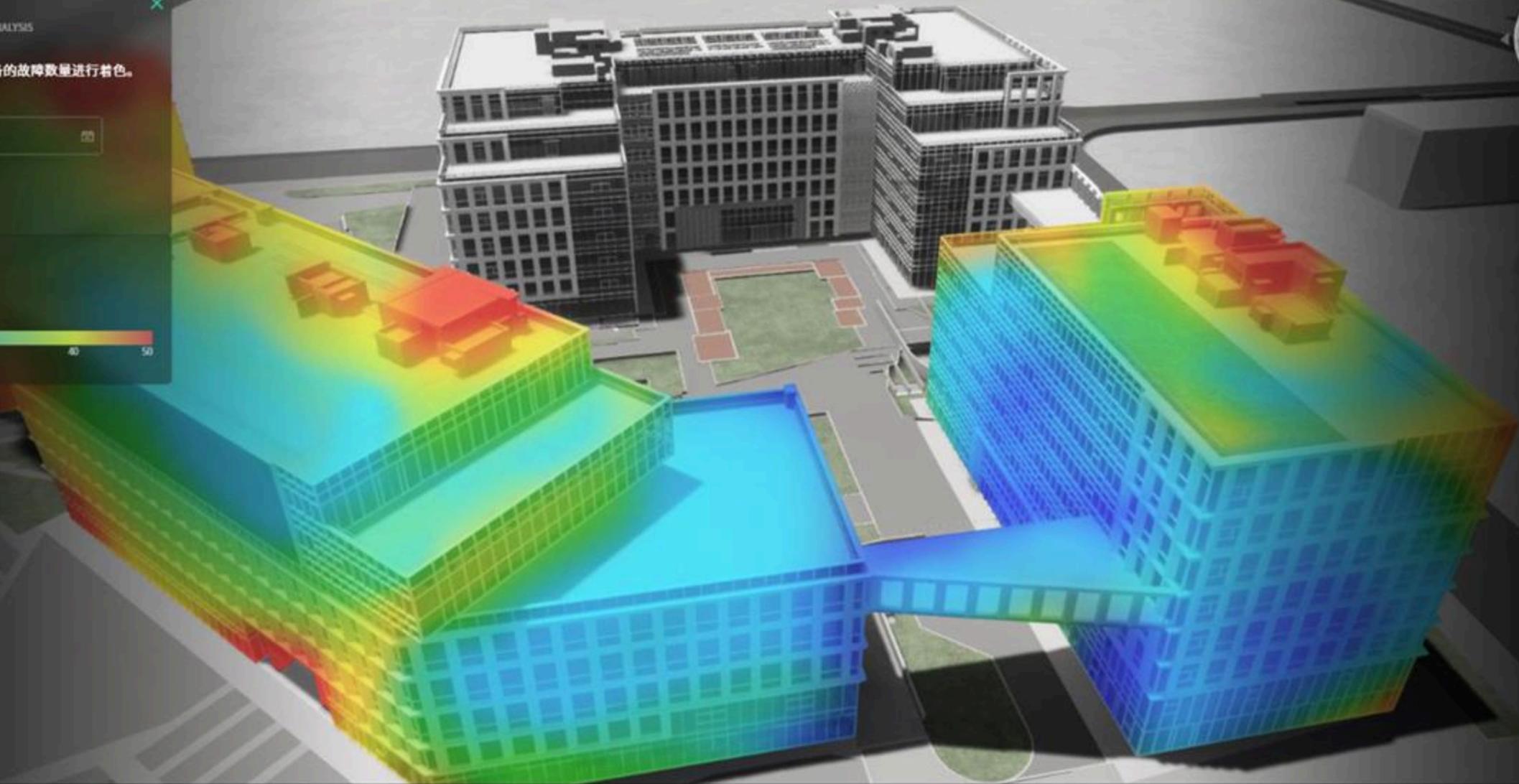
暖通空调设备

**图例**  
KEY

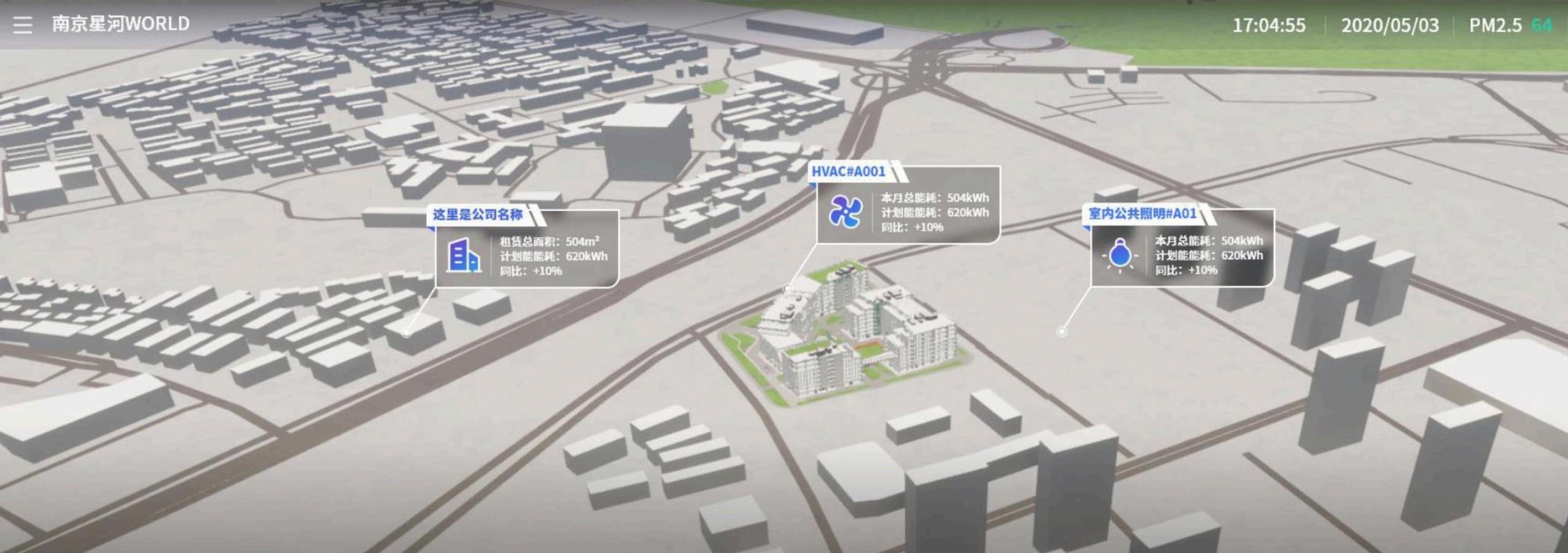
温度



- 4F
- 3F
- 2F
- 1F
- B1
- B2



- ±视角
- 俯瞰
- 气候
- 日夜



**这里是公司名称**

租赁总面积: 504m<sup>2</sup>  
 计划能能耗: 620kWh  
 同比: +10%

**HVAC#A001**

本月总能耗: 504kWh  
 计划能能耗: 620kWh  
 同比: +10%

**室内公共照明#A01**

本月总能耗: 504kWh  
 计划能能耗: 620kWh  
 同比: +10%

配套设施 SUPPORTING FACILITIES



**餐饮 RESTAURANT**

- 四川海底捞餐饮股份有限公司
- 百胜餐饮集团
- 全聚德
- 上海杏花楼(集团)有限公司

**购物 SHOPPING**

- 沃尔玛连锁超市
- 万达购物中心
- 燕莎友谊商城
- 正佳广场

**教育 EDUCATION**

- 阳光幼儿园
- 阳光小学
- 育英中学
- 英孚英语培训中心

**交通 PUBLIC TRANSIT**

- 公交128路星河东站
- 公交230路星河西站
- 地铁8号线星河站
- 地铁6号线星河站



WELCOME JEFF

- Service Requests
- Inventory Report
- Profile
- Log Out

TAC 20 elevator

- Wrench and screwdriver icon
- Document icon
- Wrench and bone icon
- Envelope icon
- Phone icon

Video Tutorial



Service Manuals



**⚠ DANGER**  
Low Clearance

Location

**San LaMonte Building**

1000 ...  
 1000 ...  
 1000 ...  
 1000 ...

MAX Data



30 Rules for Health & Safety

- Lock Out/Tag Out
- Self Protection
- Personal
- Car Top and Pit access
- Use proper work methods
- Wearing and using
- Follow safety and equipment
- Personal protective equipment
- Rescue





# 02

# Panel Dialogue

Guided discussion on barriers, solutions, and responsible AI implementation.

# ROUND 1: Common Barriers & Solutions

Explore the most significant barriers to AI adoption in sustainable cities—from data and interoperability to policy and institutional readiness—and highlight practical strategies to overcome them. This round focuses on lessons learned from real-world implementation challenges.

*From your case and experience, what is the most significant barrier you've encountered in AI adoption for sustainable cities? What is one practical strategy you used (or would recommend) to address it?*



**Kimon G. Onuma**  
President  
ONUMA, Inc.



**Leo Salce**  
Principal & CEO  
AVANT LEAP



**Umair Surani**  
Director, Energy & Sustainability  
Environ Energy

# ROUND 2: Practical Approaches for Responsible Implementation

Identify actionable steps that ensure AI adoption in cities is not only innovative but also ethical, transparent, and equitable. This round emphasizes principles and practices that build public trust and long-term sustainability.

*Based on your work, what is one practical step cities or organizations can take to ensure AI is implemented responsibly—balancing innovation with ethics, transparency, and equity?*



**Kimon G. Onuma**  
President  
ONUMA, Inc.



**Leo Salce**  
Principal & CEO  
AVANT LEAP



**Umair Surani**  
Director, Energy & Sustainability  
Environ Energy

# 03

# Final Reflections & Takeaways

Concise insights and “quick wins” from each panelist.

# Final Reflections: Takeaways & Quick Wins

Close the session with concise, forward-looking insights from each panelist. This round highlights personal reflections—the key lessons, dos and don'ts, or quick wins that cities and organizations can apply immediately to guide responsible AI adoption.

*What is one actionable takeaway or guiding principle you want practitioners to leave with to advance AI for sustainable, equitable, and resilient cities?*



**Kimon G. Onuma**  
President  
ONUMA, Inc.



**Leo Salce**  
Principal & CEO  
AVANT LEAP



**Umair Surani**  
Director, Energy & Sustainability  
Environ Energy

# 04

# Open Q&A: Extending the Conversation

Audience questions and reflections to  
deepen the dialogue.

# Connect with Us



**Kimon Onuma FAIA**  
Building Informed Environments |  
President at ONUMA, Inc.



**Eve Lin McNaughton**  
Ph.D. | WELL AP | LEED AP BC + D, O+M,  
HOMES | CPHD/C ...



**Leo Salce**  
Founder & CEO at @Avant Leap |  
Architect & Technologist | Strategic I...



**Umair Surani**  
Energy & Sustainability Solutions  
Strategist | Transforming Buildings ...



# Thank you!



Greenbuild