

# Intelligent Buildings Software Stack

A Data Digital Twin for the Built World



IBSS

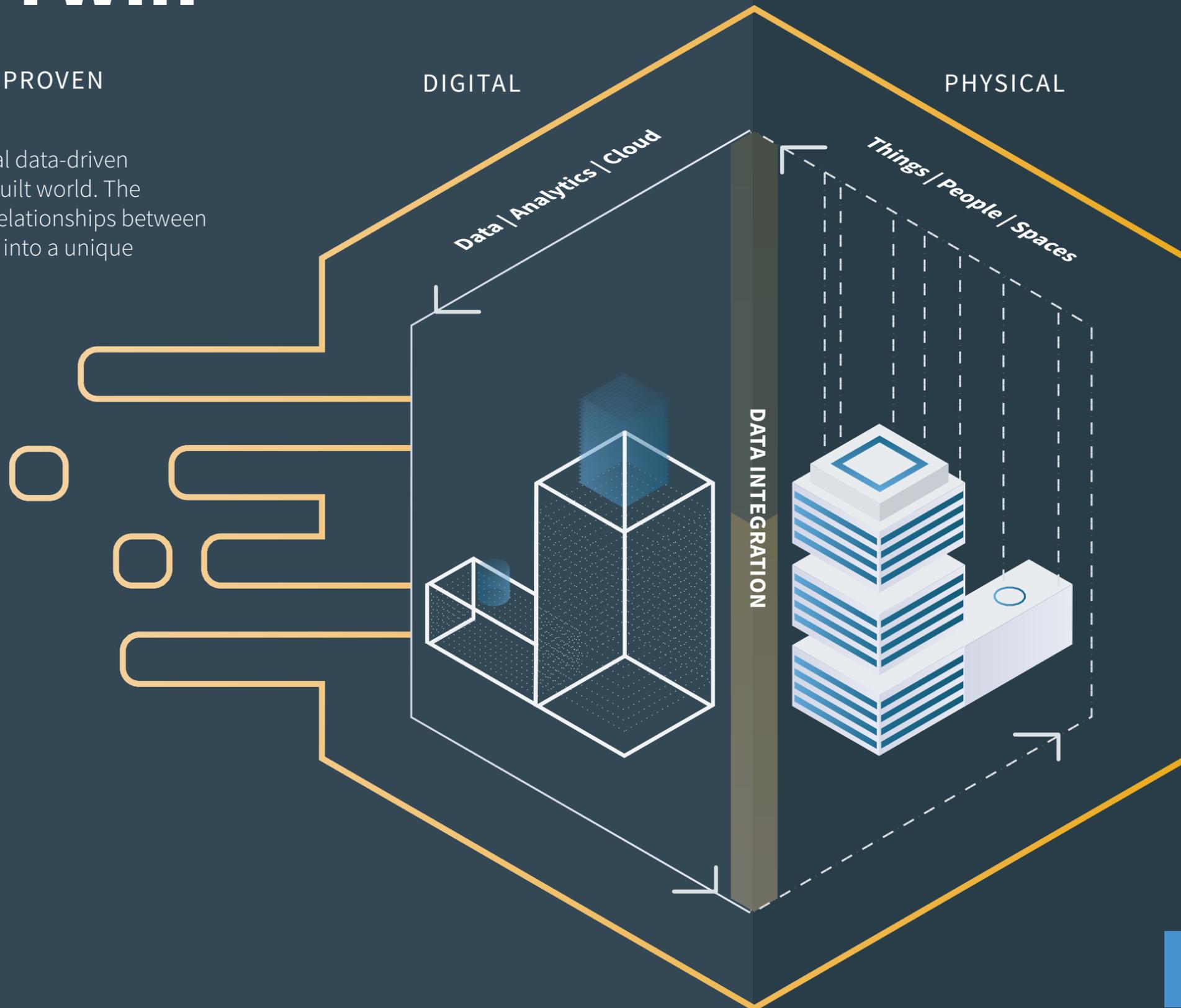
[www.intelligentbuildingssoftware.com/softwareplatform](http://www.intelligentbuildingssoftware.com/softwareplatform)

# Your Data Digital Twin



SECURE | SCALABLE | PROVEN

The IBSS platform is a virtual data-driven replication of the physical built world. The software stack models the relationships between people, places, and devices into a unique semantic data digital twin.



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Supporting Azure  
Digital Twins

# Future-proof Your Real Estate

DIGITIZATION WITH PURPOSE



## Data-led Insights

Digitization is all about data; good, secure, highspeed data. Whether you're a developer wanting to deliver, commission and witness a better building, or you're an operator wanting to supercharge your service models, or optimize task performance and predictive thinking. IBSS unifies all spatial, static and live system data into a centralised and secure data digital twin. The IBSS twin has apps, workflows, analytics and visualizations tailored to help you do your best work.



## Unparalleled User Experience

Buildings are, 99% of the time, designed for people. If a building can flexibly meet the ever-evolving expectations of its occupants and tenants, people will leave that space happy, healthy, productive and eager to return. As a Landlord, this means catering to your tenants digital needs to empower experiences within the communal aspects of a building. As a tenant and business, it's about empowering your staff, visitors, students, or clients in every aspect of their daily activities within your demise - be it a workplace, retail unit, or educational campus.

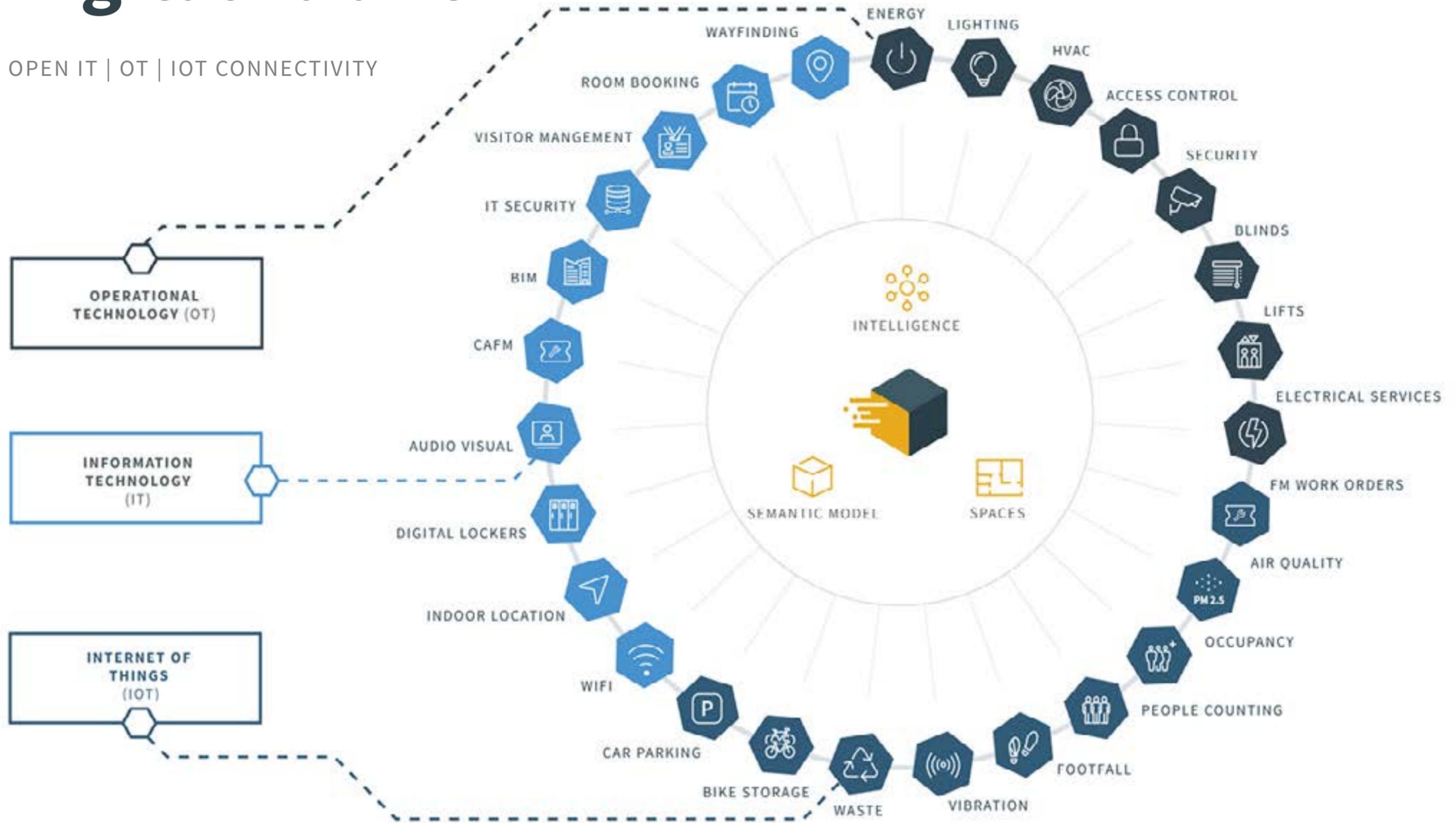


## Healthier, More Sustainable Building Assets

Yes, User experience (UX) starts with a better performing building, but when we combine that with a digitized operational support model, we can create a fabric for healthier, more inclusive and more environmentally friendly buildings. From optimized Facilities Management (FM), to ESG reporting (carbon, energy, water and waste management) – scalable, cloud-based digital platforms like IBSS can take large complex data from operational technology (OT) and apply machine intelligence to identify hidden performance matters, asset inefficiencies and ultimately increased return on investments.

# Creating a Digital Fabric

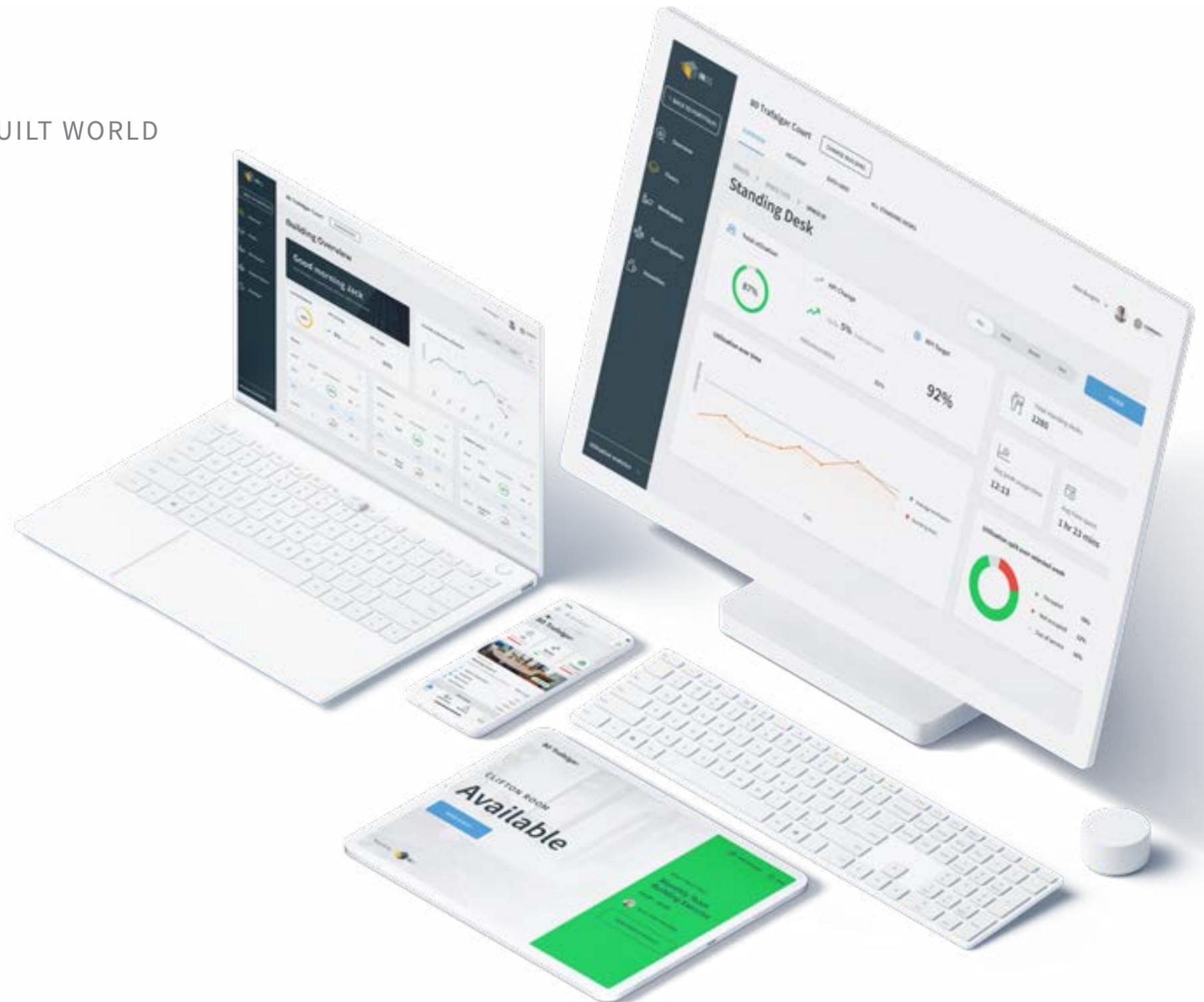
OPEN IT | OT | IOT CONNECTIVITY



# Getting to know IBSS

A DATA-DRIVEN BLUEPRINT FOR THE BUILT WORLD

- › Semantic Data Digital Twin
- › Convergence of IT, OT and IoT via interoperable protocols
- › Cloud Scalability with Azure Digital Twin
- › Mixed Reality Experiences
- › Historical and Real-time Data Analytics
- › Artificial Intelligence Engines
- › Data Historian
- › Edge IoT
- › Data Normalization & Workflow Technology
- › Building and Asset Integration
- › User Experience Apps
- › Management Visualization Dashboards
- › Open API



# IBSS

# Capabilities

OUTCOME-ORIENTATED MODULARITY



## USER EXPERIENCE

- › Wayfinding
- › Space Booking
- › Space Control
- › Building Information and Usage Guides
- › Hybrid Working Use Cases
- › Visitor Management
- › Cognitive Concierge



## SUSTAINABILITY/ESG & SPACE MANAGEMENT

- › Indoor Air Quality (RESET certified)
- › Energy Management
- › Waste Management
- › Water Quality
- › Water Usage
- › Carbon Report
- › Space Utilization
- › Occupancy Sensing



## OPERATIONAL EXCELLENCE

- › Predictive Maintenance / FDD
- › Anomaly Detection and Performance Regressions
- › CAFM Integration
- › Energy Management
- › Soft FM Dashboards, Workflows and Mobile App
- › Alarm Management

# High-performing Buildings that Don't Stop Learning

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## Closing the Loop

Empower your people by creating multi-channel digital feedback loops between occupants, operational teams and management. Owners, Service Providers and Landlords can share real-time insights with occupants (working conditions, community announcements, resolution statuses and much more), whilst enabling structured digital feedback from tenants.



## Plug & Play PropTech

'Plug and play' a range of existing and emerging technologies into the IBSS Digital Twin. Through open APIs, pre-built integrations, and interoperable-only protocols, we empower you to choose best in class sensors, systems, and apps that suit your goals and ways of working. Avoid vendor lock-in and make the choice yours.

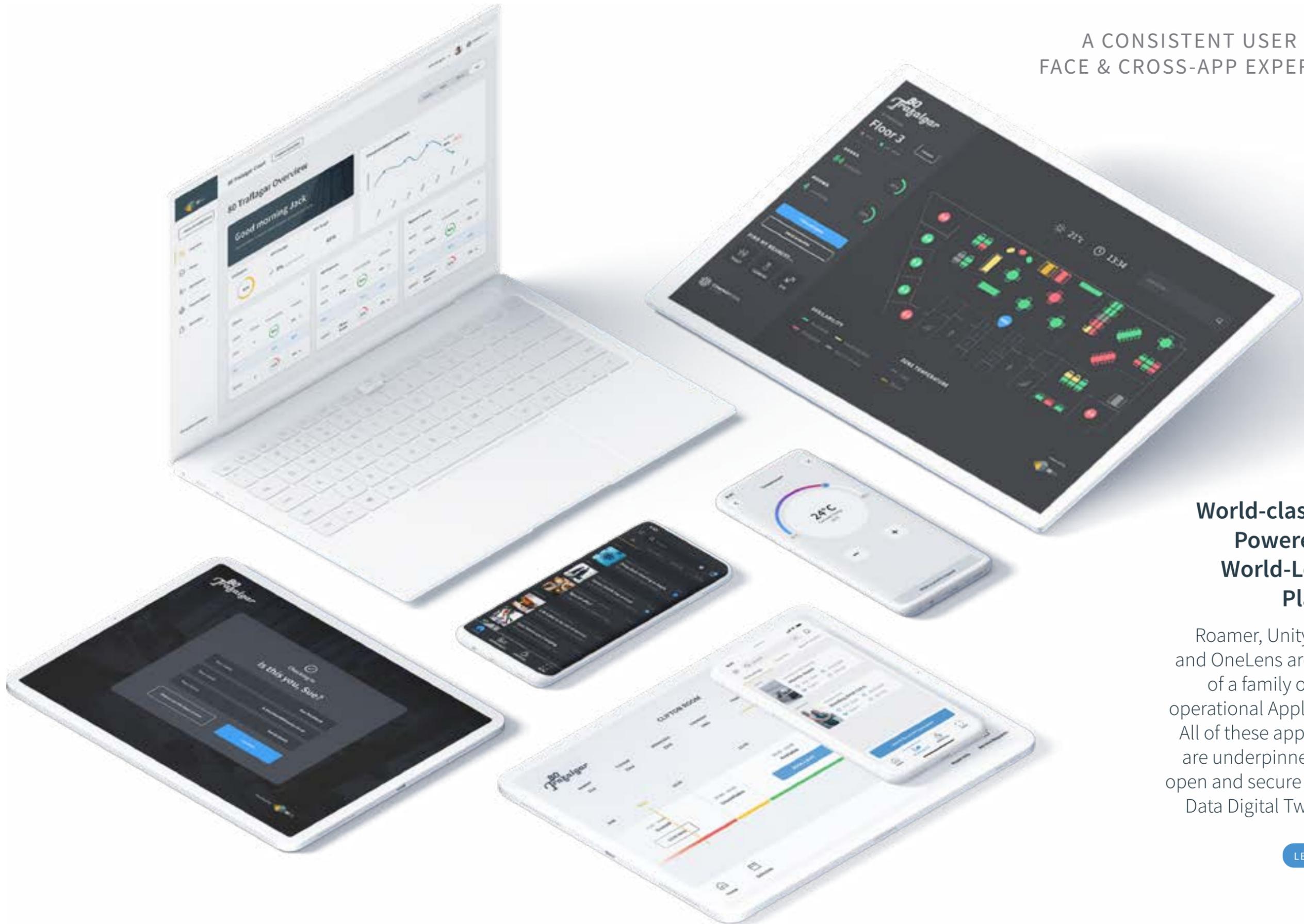


## Reimagining what's possible with AI

We believe buildings should learn from the past and help foresee the future. From Machine Learning for complex data to predictive analytics for optimized maintenance regimes, together with Microsoft Azure Cloud we are redefining the art of the possible.

# Our UX App Suite

A CONSISTENT USER INTER-  
FACE & CROSS-APP EXPERIENCE



## World-class Apps Powered by a World-Leading Platform

Roamer, Unity, Inspire and OneLens are all part of a family of UX and operational Applications. All of these applications are underpinned by the open and secure ICONICS Data Digital Twin - IBSS

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# Never Stop Learning



## IBSS DIGITAL TWIN

## PHYSICAL WORLD

Actionable Insight

UX Apps

Operational Analytics

### Semantic Data Model

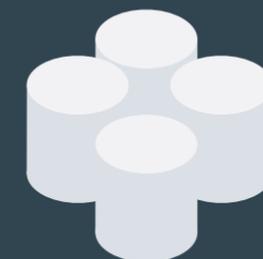
- ✓ Ontology: Relationship Mapping
- ✓ Geospatial Data Models
- ✓ Data Classifications and Taxonomies



### Intelligence Engines

- ✓ AI
- ✓ Predictive Analytics
- ✓ Bulk Data Mapping
- ✓ WayFinding
- ✓ Booking

Open Data Connectivity



Things | People | Places | Systems

# IBSS Bundles: Subscription Plans Made Simple

SUBSCRIBE | ONBOARD | DEPLOY | SCALE

Get up and running fast with our tailored IBSS subscription plans. Available at essential, pro and premium levels, we have built a number of market-specific ‘bundles’ that aim to group technology, apps and outcomes into easy-to-consume pricing plans. From high-performing buildings to barely-automated listed buildings, our bundles can scale to outcomes, budgets and real estate strategies.



The Details IBSS Workplace		FEATURE HIGHLIGHTS P. 1/3		
		ESSENTIAL	PRO	PREMIUM
<b>Wayfinding</b>				
Dynamic Maps		•	•	•
Signage Displays		•	•	•
Space Availability		•	•	•
Space Search		•	•	•
Collage Finding		•	•	•
Blue Box Indoor Positioning		•	•	•
<b>Space Booking</b>				
Space Availability		•	•	•
Space Search		•	•	•
Space Reservation		•	•	•
Simple Space Booking		•	•	•
3D Party Booking System Integration		•	•	•
QR Code Check-in/out		•	•	•
Office 365 Calendar Sync		•	•	•
Office 365 Calendar Resources / Room Finder		•	•	•
Bookings Web Page		•	•	•
Bookings Tablet App		•	•	•
<b>Space Control</b>				
Temperature Control		•	•	•
Lighting Control		•	•	•
Blind Control		•	•	•
AC Control		•	•	•
Cabling Requests		•	•	•
Self-DM Ticket Creation		•	•	•
<b>Space Information</b>				
Space Availability		•	•	•
Amenities		•	•	•
Indoor Air Quality (IAQ)		•	•	•
Energy Performance		•	•	•
Space User Guides		•	•	•
<b>Occupant Notification</b>				
Building Notifications Broadcasts		•	•	•
Signage Displays		•	•	•
App Push Messaging		•	•	•
Visitor App		•	•	•
Booking Settings		•	•	•

## ICONICS UK

Opening in 1991, ICONICS UK brings world-class service and support for ICONICS software tools to the UK market. A support and delivery centre of excellence, ICONICS UK provides a full suite of services from product and partner support and training, design and implementation consultancy through to full project delivery and software development. Our team have many years of experience in the software industry, with a strong track record of successful project delivery.

## IBSS Products and Apps

ICONICS UK have taken their robust solution delivery experiences in the Intelligent Building marketplace and combined that with the latest platform capabilities of the ICONICS and Microsoft Azure Technology stack to form an Intelligent Buildings Software Stack (IBSS). ICONICS UK have then developed a suite of user experience and operational excellence applications, that stand on top of the IoT-enabled IBSS Platform, to support a variety of outcomes for the Built World.

## Global Company Culture and Partners

ICONICS promotes an international culture of innovation, creativity and excellence in product design, development, technical support, training, sales and consulting services for end users, systems integrators, OEMs and Channel Partners. ICONICS has over 300,000 applications installed in multiple vertical industries worldwide. ICONICS world headquarters is located in Foxborough, Massachusetts, USA, and the company has offices located throughout the U.S., Europe, Asia, and Australia.

Gold  
Microsoft Partner



For more, visit <https://www.intelligentbuildingssoftware.com/softwareplatform>

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