



makes people-centric

# IMPACT

with EcoStruxure™ and Planon™

Cutting-edge, integrated building architecture that maximizes employee well-being, adapts to evolving needs, and helps boost operational efficiency.



Sidara – London, United Kingdom

[se.com](https://se.com)

Life Is On



## Welcome to 150 Holborn

One of the world's largest consultancy firms, Sidara encompasses a diverse range of brands specializing in architecture, cost and MEP consultancy, city master planning, and energy transitioning. The company's vast portfolio spans projects across the globe, from Singapore's Changi International Airport to the Google Bay View campus in the U.S. With its new headquarters at 150 Holborn in London, Sidara aimed to unite its diverse member companies under one roof.

The company faces a dual challenge. As a leading design firm driving innovation and sustainability for its clients, Sidara aims to showcase the group's collective expertise by creating a state-of-the-art workplace that meets the highest LEED and BREEAM design standards. Additionally, as an occupant, Sidara seeks to elevate the experience and well-being of its 1,000+ employees while supporting [the company's ESG objectives](#).

In order to ensure an innovative approach to the project, the company brought Schneider Electric on board as a technology partner. Schneider's smart building experts first mapped 50+ use cases for three distinct user profiles: employees, visitors, and facility staff. These use cases laid the foundation for the architecture that adapts to evolving, people-centric requirements.

"The building is quite complex when you're putting all these systems in. So, we needed someone that has the knowledge and awareness," said Andrew Loudon, former Managing Director at Sidara.



## Goal

In its quest to create one of the world's smartest buildings, Sidara sought to forge technology partnerships to develop a people-centric, efficient, and sustainable environment that fosters continuous innovation.

## Challenge

Highlight Sidara's expertise in a state-of-the-art workplace, meet top design standards, and help achieve the company's net-zero goals by 2030 all while ensuring the ultimate experience and well-being for 1,000+ employees.

## Solutions

EcoStruxure Building Data Platform, enabling comprehensive data collection for informed decision-making, together with Planon's Integrated Workplace Management System (IWMS) for enhanced space utilization and maintenance efficiency

## Results

- 90 points Comfort Score in the WELL Building Standard in 2024, January through mid-October (+2pt vs 2023)
- The highest level of WiredScore and SmartScore certifications – Platinum
- Certified under BREEAM New Construction 2014 with an Outstanding rating



### From data to actionable insights

To create an integrated environment for all building systems, and enable them to “speak with one another”, 150 Holborn has been equipped with Schneider’s EcoStruxure Building platform, spanning a whole spectrum of solutions, from software to connected products.

With 6,000 sensors tracking energy use, occupancy patterns, and more, the building technology enables a conditioned based and preventative maintenance approach. Data from devices and systems is analyzed in Schneider Electric’s EcoStruxure cloud and transformed into actionable insights within the Planon software suite. These actions can initiate work orders, projects, and even automate building settings, such as turning off lights or adjusting the air conditioning.

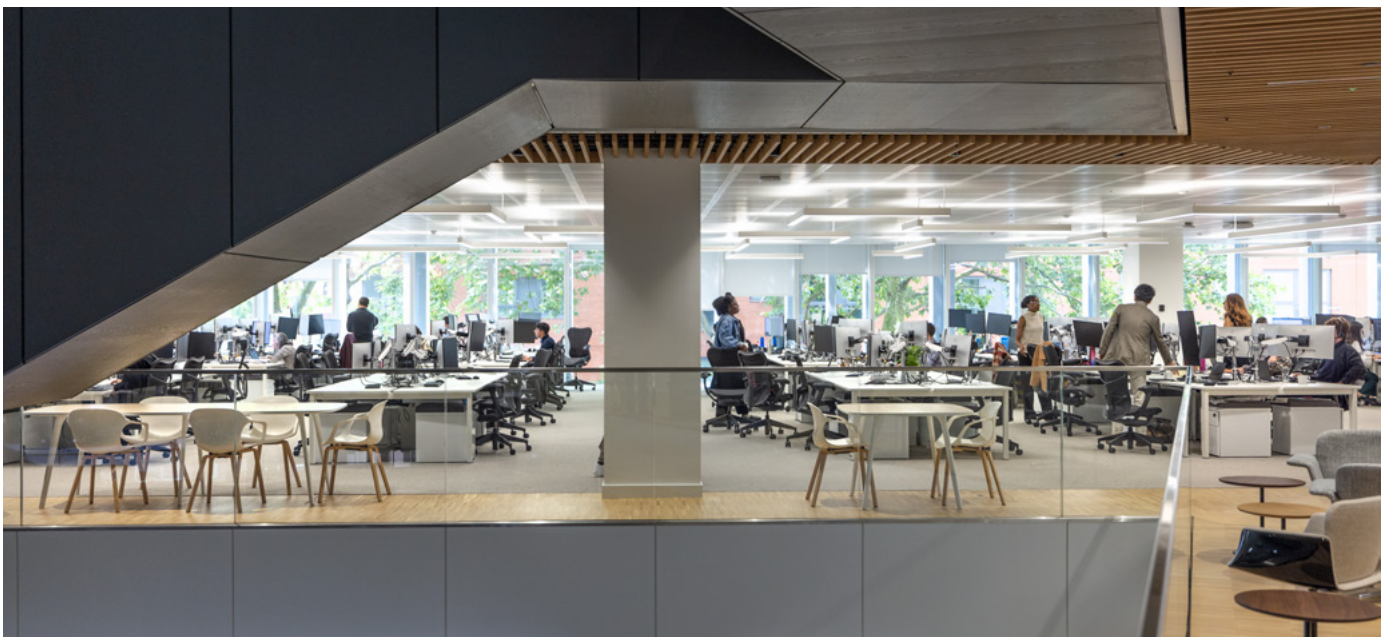
“Data makes maintenance processes better over time, and that improvement never stops unless the data stops flowing. Our building is almost like a living and breathing entity. It will contact the right people to look at issues when they occur



rather than us having to discover the problem two days later. This results in much faster response to issues and fewer instances of downtime,” says Dan Cope, Head of Technology for Sidara.

With advanced building data, Sidara’s facility team can better understand operational patterns and adjust the building management strategy on the go. For example, the data on workspace utilization allowed the facility team to discover that meeting rooms were significantly oversized. Another example, underutilization of the on-site restaurant on Fridays lead to the vendor no longer opening on that day.

“We were only able to do that by looking at the data; we can’t do that by putting a finger in the air and making an assumption,” pointed out Dan Cope.





### Best-in-class indoor experience

The building has been designed with people in mind and its performance is continuously monitored and adapted to evolving user requirements. Occupant comfort, including temperature, humidity, VOC and CO<sub>2</sub> emissions, is constantly measured according to the criteria for the WELL Building Standard. The overall comfort score has grown from 88 in 2023 to 90 points in 2024 (January through mid-October) out of 100 total possible points.

What's more, to deliver an unmatched indoor experience, the building offers an array of smart functionalities, from personalizing comfort to booking meeting rooms. Planon's Integrated Workplace Management System (IWMS) combines data from Schneider Electric's Building Data Platform with user and business processes. This integration delivers a seamless user experience that grants access to data and services from any device, anywhere. At 150 Holborn, tenants can reserve shared meeting rooms using Microsoft Outlook, room panels, or a dedicated mobile app. IoT data on occupancy, usage, and indoor air quality (IAQ) enhances room bookings and utilization, and it also automates building systems such as HVAC and lighting.

"We've been in here now for a year and a half pretty much, and it exceeded our expectations in terms of seeing people working together," said Andrew Loudon. "The uptake of people coming into the office was far better than we anticipated."

90  
points

Average comfort score in 2024 (January through mid-October) in the WELL Building Standard



### Integrated for greater resilience, efficiency, and sustainability

Since opening its doors in 2023, 150 Holborn has maintained 24/7 uptime. The EcoStruxure Building platform makes the building more resilient to faults, thanks to data-driven condition-based monitoring, which helps prevent disruptions and downtime of critical assets. Additionally, power monitoring solutions detect power quality issues and faults throughout the entire electrical distribution infrastructure, from incoming utility feeds to low-voltage distribution points.



The company proactively tracks and manages its energy consumption, using energy metering to get an understanding of how much energy is being used, per floor. This information is communicated to building occupants to drive sustainability-conscious behavior. What's more, energy management and building automation technologies, combined with occupancy detection and room booking systems, ensure that energy is only used when and where it's needed. Most importantly, with all of these solutions in place Sidara is able to make progress on its net-zero goals.

Last but not least, the EcoStruxure Building platform enhances security with an integrated access control system, allowing for comprehensive monitoring and control of entry and exit points.

Achieving this broad spectrum of outcomes is no small feat. The Sidara and Schneider Electric teams delivered functionalities with a significant level of complexity. For example, Planon's Integrated Workplace Management System prepares rooms for meetings, e.g. regulates temperature based on the number of attendees, in tandem with the audio/visual and HVAC systems.



Behind the scenes, the EcoStruxure Building Operation (EBO) Enterprise Server sends data from all the interconnected subsystems (BMS, power monitoring, lighting, fire, security, etc.) in near real time to EcoStruxure Building Data Platform. This solution enables data access and overcomes integration complexities when centralizing data from various building systems.

To deliver a building with this level of integration, Schneider Electric acted as the Master Systems Integrator for the project, which involved orchestrating all Schneider and third-party interfaces. "What we've done uniquely here is combining it all together which really brings out that smart aspect and helps us improve moving forward," said Dan Cope.

100%

Average building management system health



### One of the smartest buildings in town

With all these innovations, 150 Holborn received the highest level of WiredScore and SmartScore certifications – Platinum. Schneider products alone contributed to a SmartScore of 52.75 (out of a potential 100).

“150 Holborn’s WiredScore and SmartScore Platinum certifications showcase its best-in-class smart technology, which delivers an exceptional user experience, strong operational efficiency, and sustainability at its core. With advanced systems enabling comprehensive data collection, Sidara can make informed decisions to optimize building performance and enhance tenant experience,” said Benjamin Thornton from WiredScore.

On top of that, the building was certified under BREEAM New Construction 2014 with an Outstanding rating. It’s projected to achieve 98% in BREEAM Post Construction Certification, and is now on track to attain LEED Platinum.

But Sidara is not stopping there. The company considers its headquarters a ‘living lab’ where new technologies are tested in a real-life environment. The learnings are applied to customer projects.



#### EcoStruxure Building Data Platform

##### Apps, Analytics & Services



**EcoStruxure**  
Building Advisor



**Planon IWMS**



**EcoStruxure**  
Power Advisor



**EcoStruxure**  
Engage App

##### Edge Control



**EcoStruxure**  
Building Operation



**EcoStruxure**  
Security Expert



**EcoStruxure**  
Power Monitoring Expert

##### Connected Products



Full Scale BMS  
Hardware



Connected  
Room Solutions



Full Scale Power  
Hardware



Smart  
Panels

# EcoStruxure™

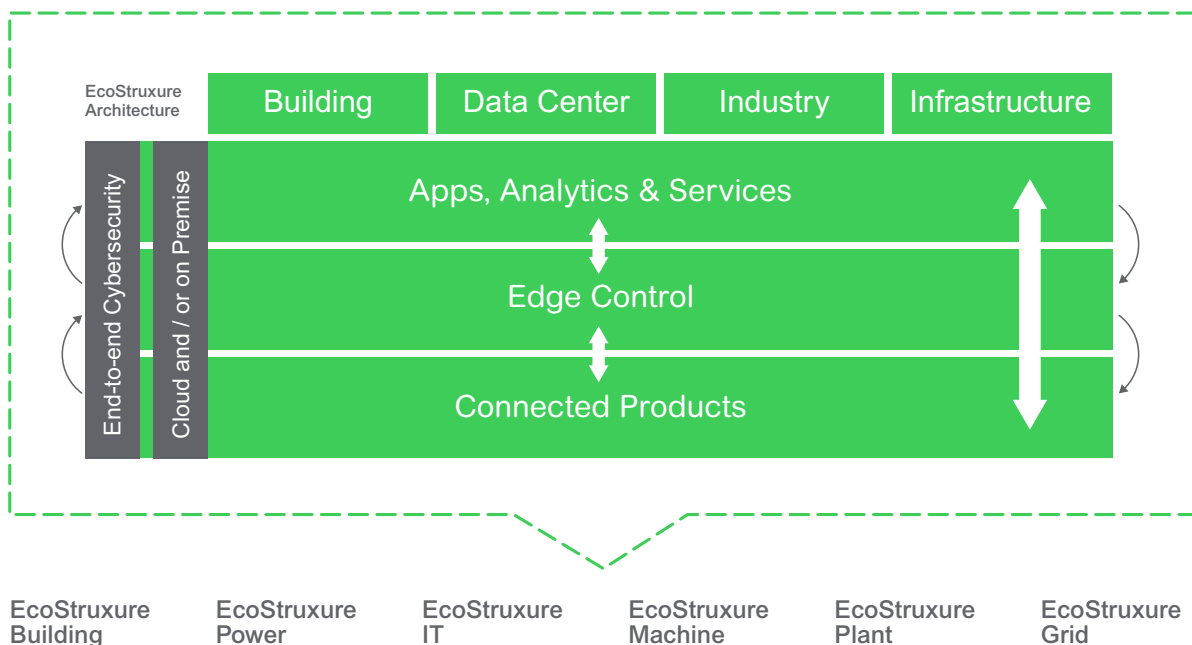
## Innovation At Every Level

IoT-enabled solutions that drive operational and energy efficiency

EcoStruxure is our open, interoperable, IoT-enabled system architecture and platform. EcoStruxure delivers enhanced value around safety, reliability, efficiency, sustainability, and connectivity for our customers. EcoStruxure leverages advancements in IoT, mobility, sensing, cloud, analytics, and cybersecurity to deliver Innovation at Every Level.

This includes Connected Products, Edge Control, and Apps, Analytics & Services which are supported by Customer Lifecycle Software. EcoStruxure has been deployed in almost 500,000 sites with the support of 20,000+ developers, 650,000 service providers and partners, 3,000 utilities and connects over 2 million assets under management.

One EcoStruxure architecture, serving 4 End Markets with 6 Domains of Expertise



### Connected Products

The Internet of Things starts with the best things. Our IoT-enabled best-in-class connected products include breakers, drives, UPSs, relays, sensors, and more. Devices with embedded intelligence drive better decision-making throughout operations.

### Edge Control

Mission-critical scenarios can be unpredictable, so control of devices at the edge of the IoT network is a must. This essential capability provides real-time solutions that enable local control at the edge, protecting safety and uptime.

### Apps, Analytics & Services

Interoperability is imperative to supporting the diverse hardware and systems in building, data center, industry, and grid environments. EcoStruxure enables a breadth of agnostic Applications, Analytics & Services for seamless enterprise integration.

Find out more about EcoStruxure

[se.com/ecostruxure](https://www.se.com/ecostruxure)



# Learn More



Learn how EcoStruxure for Buildings helped Samwoh Singapore maximize efficiency.



See how EcoStruxure helps reduce energy use at Aspasia campus.



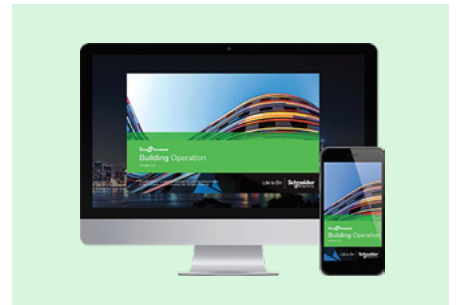
Explore how Danone Evian achieved its sustainability goals while cutting costs.



Find out how to optimize building performance with EcoStruxure Building Advisor.



Meet EcoStruxure Power Monitoring Expert, our award-winning power monitoring software.



Discover EcoStruxure Building Operation, a building management system for large facilities.

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