

DIGITAL

Modern, digital campus enhances employee experience and delivers efficiency

The Dunes, Société Générale –
Fontenay-sous-Bois, France

Leading financial services group creates a responsive workplace of the future with EcoStruxure™ smart office technology.

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EcoStruxure™ Building connects facilities through Edge Control, and Apps, Analytics and Services, like EcoStruxure Workplace Advisor. Schneider Electric's IoT-enabled IT architecture helps today's smart offices to grow — and their employees to thrive.

Representing a digital transformation journey

Société Générale is one of the leading European financial services groups, located in France. Based on a diversified and integrated banking model, the Group combines financial strength and proven expertise in innovation with a strategy of sustainable growth. It aims to be a trusted partner for its clients, committed to the positive transformations of the world. Those positive transformations include an ambitious climate strategy and commitment to reduce its carbon footprint, such as:

- Cut greenhouse gas emissions by 25% per occupant
- Improve energy performance per occupant by 20% by 2020 (as compared to its building's 2014 levels)

Société Générale's five-building, fully-connected office site in Val-de-Fontenay, called The Dunes, is a symbol of its digital transformation journey. The Group's Real Estate Department modeled the new 126,000 m² campus after the most innovative companies in the U.S.'s Silicon Valley, and was also inspired by its future users in imagining an innovative, next-generation design to inspire its agile and flexible workforce.

In addition to delivering a building of the future as envisioned by The Dunes employees, Société Générale had very particular requirements from its technology and partners, including:

- A high-performance building management system (BMS) integrating five separate buildings
- Space management functions to optimize space usage and operational efficiency
- Features and amenities to promote employee wellness and productivity
- Design and integration of a mobile app for workspace management and other occupant services

Goal

Create a brand new smart, responsive workplace symbolic of the company's digital journey, and deliver an environment that fosters collaboration, enhances productivity and ensures personal satisfaction, while ensuring efficient use of flexible spaces and resources.

Story

Société Générale, a global leading financial services company, sought inspiration from as far away as the U.S.'s Silicon Valley to its very own employees to determine the features and amenities for its new office space, The Dunes.

Solution

Schneider Electric's EcoStruxure Building Operation building management software and its smart office technology solution (now known as EcoStruxure Workplace Advisor) selected to create an efficient, modern workplace of the future.

Results

The Dunes is a proud recipient of several awards for innovation and efficiency, including LEED Gold Certification and Exceptional HQE Construction (French certification for High Environmental Quality). However, the most important accolades are from its employees: 85% report being "very satisfied" with their office environment.

Creating a workplace of the future

The company called on input from 500 of its future occupants working in IT, building infrastructure, and in the area of work-life quality. Among their visions for an ideal workplace were dedicated work areas for teams, an open floorplan and shared offices, collaborative conference rooms, digital tools to achieve zero paper use, WiFi access everywhere, and social spaces for informal gatherings. They also envisioned housing an incubator for internal and external start-ups, and more.

Working in partnership with the Real Estate Department, Schneider Electric created a solution that included hardware and software encompassing:

- EcoStruxure™ Building BMS solution with 50 automation servers for tracking electricity, heating, cooling, and water consumption
- An optical fiber network connecting five campus buildings, servers, and control stations, relayed in each building by a TCP/IP network
- More than 2,500 multifunctional controllers to manage workplace comfort
- A cloud-based IoT smart office solution* including:
 - 8,000 motion detectors in workstations and meeting rooms
 - A mobile app for employees to aid their navigation and wayfinding, as well as room booking and other amenities

Optimizing the office to empower employees

In addition to awards and occupant accolades, The Dunes Real Estate Department are seeing other operational efficiencies and benefits, such as the centralized management of electricity, HVAC, plumbing, and office comfort (temperature control, lighting and blinds). They are also able to track and optimize utilities consumption and space utilization with detailed graphs and reports to display data for analysis which enable continuous, needs-based adjustments.

Additionally, an innovative and integrated occupant mobile app built on the BMS infrastructure provides services for employees' convenience such as navigation, wayfinding, and conference room booking. It also provides reliable space utilization data for facility management to help them optimize space use. For example, the Real Estate Department can obtain live and historical data on common space and workspace usage to more effectively design floorplans and allocate services like security and cleaning.

The employee mobile app also improves The Dunes employee experience by saving them time finding colleagues or open workspaces, as well as booking conference rooms and logging facilities work tickets via their smart phones. They can even personalize their workspace by adjusting light and temperature to their personal preferences.

"Today we see that The Dunes, with its five interconnected buildings, is conducive to collaboration and agile work practices. The staff loves it: more than 85% of occupants reported that they were very satisfied with their new environment."

– Jean-Marc Castaignon,
Real Estate Director,
Société Générale Group

The Dunes by the numbers:

76,000 m²

Office space

14,000 m²

Collaboration space

8,000

Employees

5,000

Workstations

1,000 m²

Dedicated to start-ups

EcoStruxure™ Building

Innovation At Every Level



EcoStruxure™

Innovation At Every Level

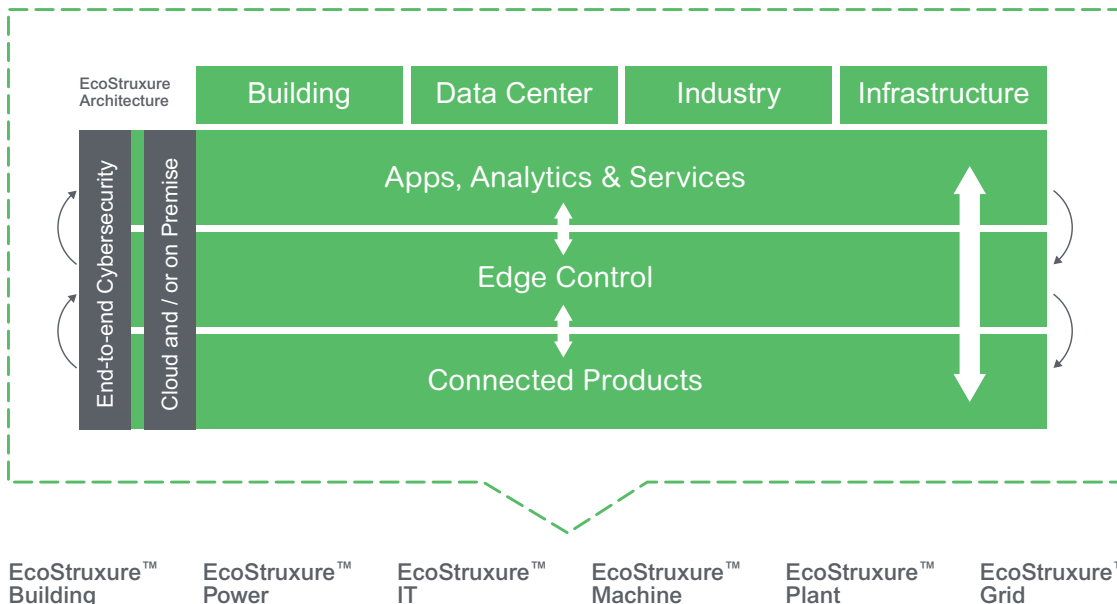
IoT-enabled solutions that drive operational and energy efficiency

EcoStruxure is Schneider Electric’s 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 including Connected Products, Edge Control, and Apps, Analytics & Services. EcoStruxure™ has been deployed in 480,000+ sites, with the support of 20,000+ system integrators and developers, connecting over 1.6 million assets under management through 40+ digital services.

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

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*Schneider Electric's new smart office solution is called
EcoStruxure™ Workplace Advisor

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