**metrikus**

Case study

Accenture is a global professional services company with leading capabilities in digital, cloud and security. Combining unmatched experience and specialized skills across more than 40 industries and powered by the world's largest network of Advanced Technology and Intelligent Operations centers, employs more than 710,000 professionals and serves 7,000 clients in more than 120 countries.
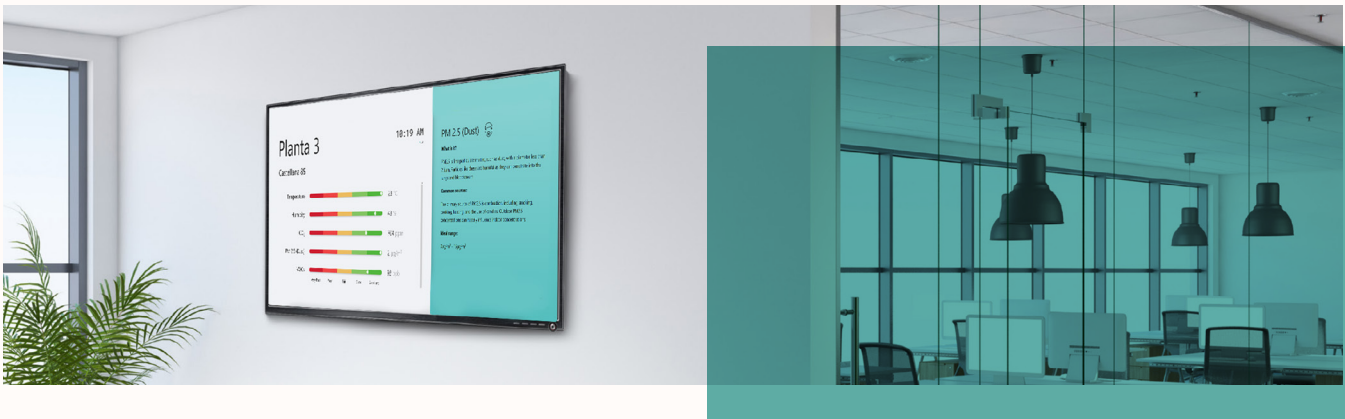
The challenge

In the context of its constant transformation to lead change and in the face of the changes that were taking place in work models, in the way we consume or have fun, but also in the way companies relate to their stakeholders, the company decided to move its headquarters in Madrid to a new building.

The challenge was to build a space that fused technology and human ingenuity, reflected Accenture's brand values and Accenture's constant care for people. In addition, as part of Accenture sustainability value promise and its commitment to achieving its 2025 environmental goals (net-zero emissions, zero waste and water risk), the building had to provide the best experiences for its employees and clients and seek system efficiencies.

The project

In October 2021, Accenture announced the relocation of its Madrid headquarters to Castellana 85, an experiential, versatile and empathetic space that changes every day to take care of people. In C85, data is at the heart of the experience: the building itself applies the latest technologies and the use of sensors to collect data (always in an ethical and responsible way, respecting people's privacy), using cloud systems and edge computing to process them or automate actions through artificial intelligence.

Thus, from Metrikus, we supported Accenture by implementing in record time the sensorization of the building and its connection to a smart building platform. This market-leading system combines technology and visualization with the best sensors to make spaces smarter, safer and more sustainable.
In this way, Accenture's expert teams were able to draw on the power of data originating from the Metrikus platform to feed their predictive capabilities and thermal inertia models.

Results

In a very short space of time, Accenture was able to improve the efficiency of the daily management of the building by saving energy without any adverse impact on employee comfort.

CO_2 levels have been improved to optimal levels throughout the building which is vital to preserving health and a good employee experience.

From the data provided by Metrikus, Accenture was able to develop predictive occupancy model training and thermal inertia studies of the building to save energy while preserving employee comfort.

Planta 3
Castellana 85

10:19 AM

Temperature		23 ℃
Humidity		43 %
CO₂		704 ppm
PM 2.5 (Dust)		2 µg/m³
VOCs		92 ppb

Very Poor — Poor — Fair — Good — Excellent

PM 2.5 (Dust)

What is it?
PM2.5 is fine particulate matter, such as dust, with a diameter less than 2.5μm. Particles like these are harmful as they can penetrate into the lungs and bloodstream.

Common sources:
The primary source of PM2.5 is combustion, including smoking, cooking, heating, and the use of candles. Outdoor PM2.5 concentrations can heavily influence indoor concentrations.

Ideal range:
0μg/m³ - 15μg/m³

New solutions

Accenture has deployed a pioneering smart recycling system using proprietary sensors and alerts, resulting in a significant efficiency improvement and a breakthrough in environmental stewardship. Metrikus has integrated this data alongside air quality and space usage applications, demonstrating the platform's flexibility to quickly integrate third-party applications and datasets.

About metrikus

The Metrikus solution transforms building data into a powerful decision-making tool, making buildings more profitable and efficient, as well as healthier and more productive for the people who work in them.
Metrikus is hardware agnostic, allowing any sensor or legacy system to be integrated. With thousands of daily data feeds, Metrikus works with blue-chip institutional clients such as Accenture, GSK, the Met Office and the NHS.
Founded in 2019, based in London, Metrikus' intelligent solution is used around the world.