SmartViz

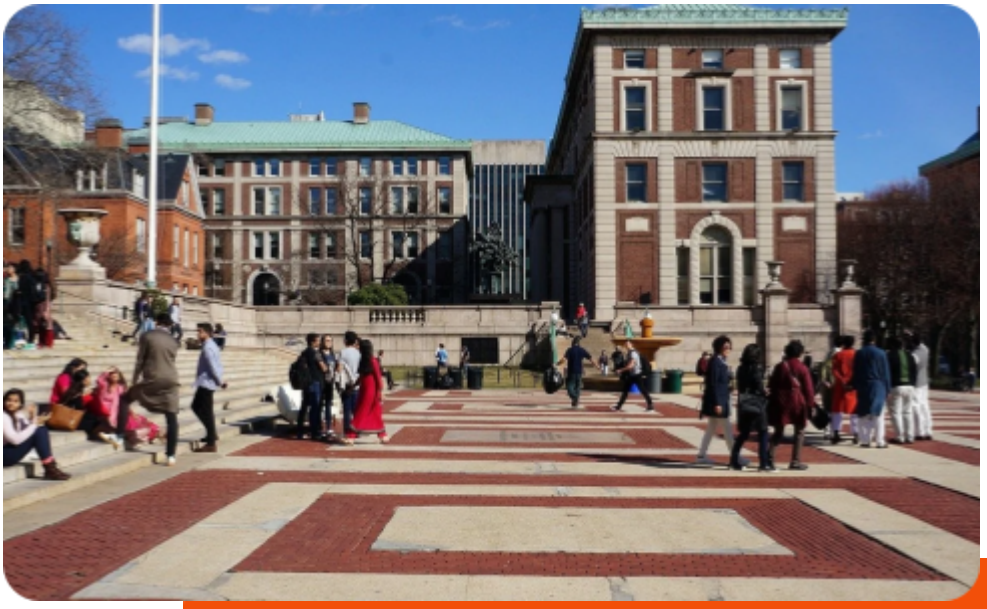
Better Buildings. **Better** Places.

White Paper:

Optimise space

Optimise space management in university estates

Using AI-powered campus analytics



Universities are evolving, but is your campus management keeping up? Is your estate strategy aligned with the future of education?

Universities face financial instability due to a decade-long freeze on tuition fees, rising operational costs, and growing reliance on international student income. With an average utilisation of only 27% during the typical teaching week, institutions can address both financial and sustainability challenges by actively monitoring and managing space, energy, and wellbeing.

Featured at an AUDE (Association of University Directors of Estates) conference, SmartViz offers advanced AI-powered campus analytics, IoT sensors, and digital twin solution to optimise university estates, save costs, and improve learning environments.

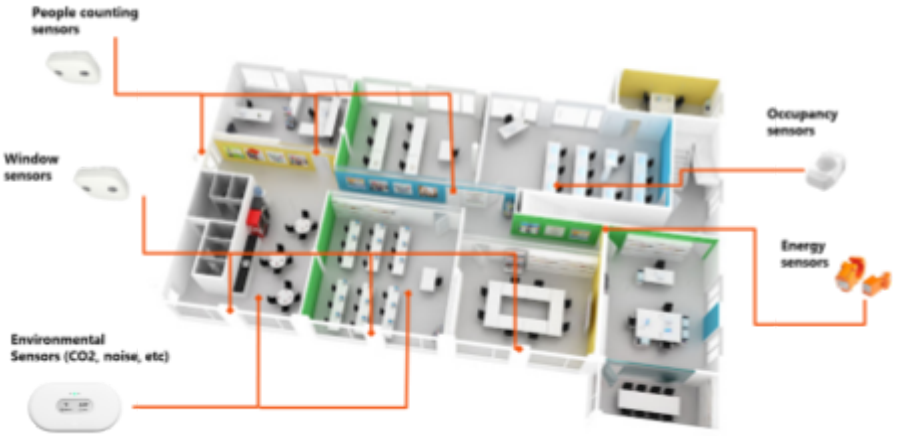
The challenge with university estates

University estates are underutilized, with teaching spaces frequently operating below 27% utilisation (Cost of Space, SMG Report, AUDE EMR).

This issue has been exacerbated with rising energy and operational costs, hybrid working and financial pressure.

Furthermore, buildings consume 3.5 times excess energy and have an unoptimized environment that affects the health, well-being, and learning environment for students.

To address this challenge, and for effective space management universities need to understand how people use buildings.



Understanding space use with IoT sensors and digital twins

Smart Building IoT sensors can anonymously monitor occupancy of teaching and office spaces, people movements, indoor air quality, energy, and asset performance. They provide insights into how people use buildings, and help us optimise space management.

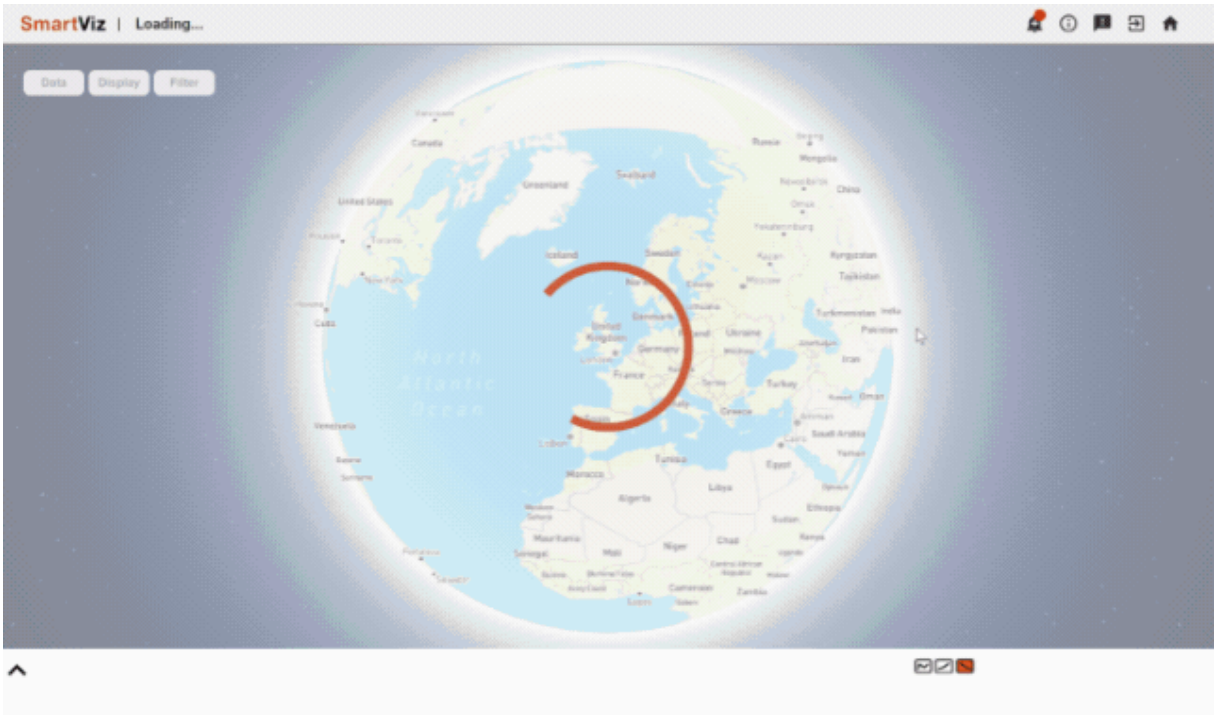
Sensors are getting smaller and smarter, and their prices are falling, making it possible to deploy them in minutes with data streaming live. This provides an opportunity to tackle the space utilisation challenge head-on.

SmartViz works independently with a network of sensor firms to deliver simple, effective, low-cost, reliable, hassle-free, and scalable solutions for our clients.

Use data to supercharge space management

SmartViz is a building analytics application that aggregates data from IoT sensors, Timetables, and building management systems (BMS) as a digital twin, to present intuitive insights into how people use your buildings. It shows which areas are working well and which aren't in real-time, helping you predict, scenario plan, and optimise performance.

SmartViz unlocks unused spaces to boost space management, optimise timetabling, save energy costs, and improve the health and well-being of building occupants.

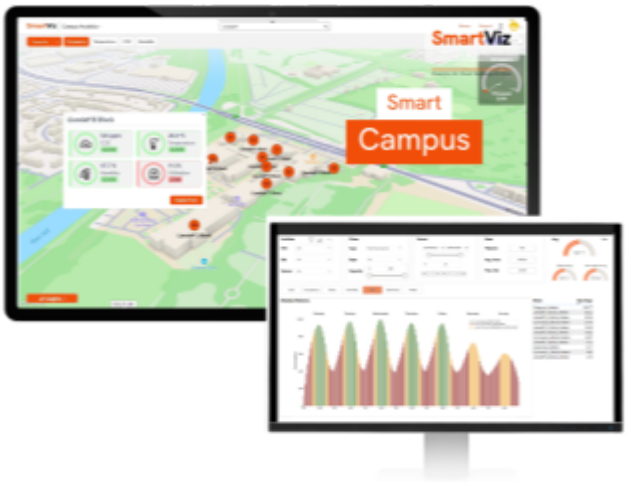


Scalable solution to manage your entire estate

SmartViz delivers real savings and results for your entire campus. See how **Cardiff Metropolitan University are using SmartViz to transform their campus management, and have saved over £5.1m already!**

SmartViz can help you manage your entire estate by integrating with existing building management systems, facilities management systems, lighting controls, HVAC controls, and asset maintenance systems.

SmartViz provides a single source of truth, using data from sensors and systems (BMS, FM, timetabling, energy management, asset management, etc) to analyse trends and predict future performance. SmartViz has a unique AI engine with millions of data points and benchmarks. Our powerful ‘day in the life’ simulations, human behaviour modelling engine, and 'what if' scenario planning allow users to test out options, fine-tune estate space, avoid expensive rework, and improve resilience.



“SmartViz Campus Analytics helped us manage one of the biggest challenges of the era – enabling us to optimise everything from teaching strategy to timetabling, room booking and cleaning, transportation, and logistics. The visual, interactive scenario planning by SmartViz helped us manage complex, conflicting priorities and reopen the campus successfully.

In the post-covid world this pioneering platform should pave the way for all universities to optimise their estates and tackle the serious challenges with performance in terms of space, energy and people.”

Kevin Monaghan, Executive Director of Estates and Facilities, University of Southampton

Ready to revolutionise your estate-wide space management?

See SmartViz in action. Request a demo today and see how SmartViz can benefit you.
Book your demo on smart-viz.com