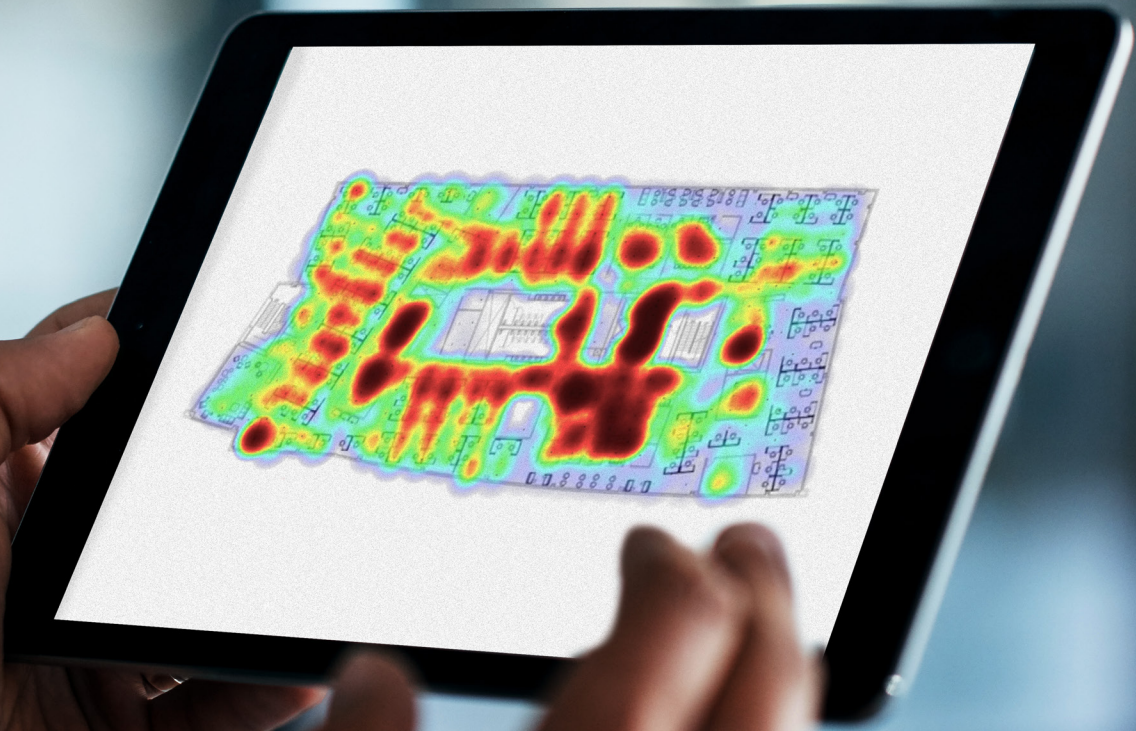




ENERGY PERFORMANCE SERVICES

Optimizing space to transform your business

SIEMENS



IoT data quickly solves space utilization objectives for business leaders

ENERGY PERFORMANCE SERVICES

How to optimize space and **guarantee savings**

Space optimization is the quickest way to deliver immediate energy and operational cost savings across the entire real-estate portfolio.

It supports sustainability ambitions and creates a safe environment that enhances occupant experience and improves workplace productivity.

Using our IoT-enabled technology we can generate data-driven insights to optimize your space and transform your real-estate portfolio.

We support your digital transformation further by harnessing IoT data and customized applications developed by Advanta.



The roll out of LED lighting in energy and performance service projects presents a once-in-a-decade opportunity to deploy the Enlighted IoT technology at scale.

The Siemens difference



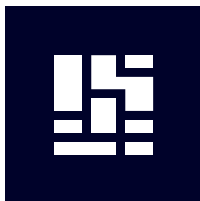
Quick ROI

We install smart technology and deliver services under a building efficiency as a service contract so you can transform your business quickly without capital outlay. This low-risk approach offers exceptional return on investment. By optimizing your space utilization you can significantly reduce your energy consumption and carbon emissions and enhance occupant experience.



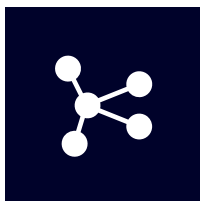
Value-added support

Throughout your entire service contract Siemens energy and performance experts ensure your new system works hard for your business and you receive the full benefit from your investment.



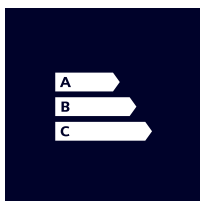
Data-driven results

We have delivered more than 2,400 Energy Services Company projects, helping customers save over €5.4 billion of utility costs by harnessing the power of data.



IoT-enabled technology

The IoT-enabled technology and systems we install provide insights that quickly translate to cost savings through space optimization, enhanced operational efficiency and increased workplace productivity.



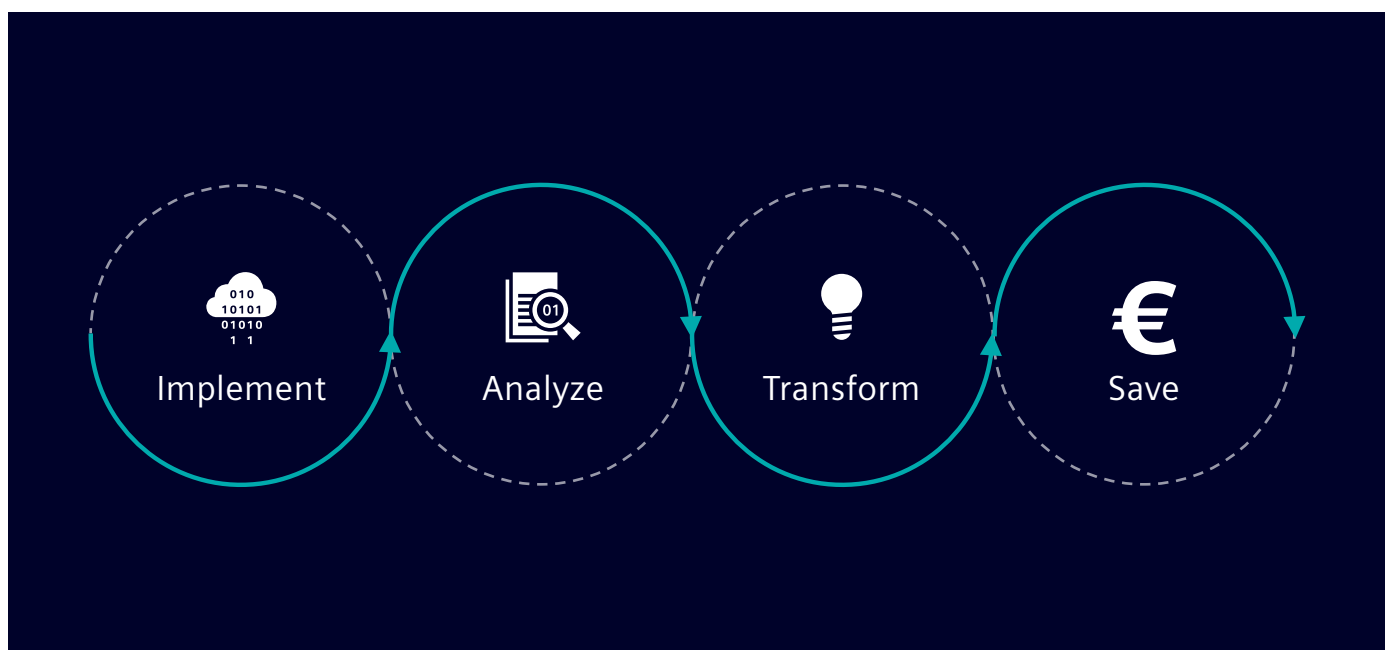
Proven performance

Installed IoT technology and systems has demonstrated total lighting energy savings of 89% across a range of space types, sizes and geographies in 328 installations. In addition, IoT sensors are proven to accurately capture space utilization data that allows data-driven decisions to be made about deferring real estate costs and downsizing workplaces. For a global IT company, space optimization achieved \$380,000 of annual savings from deferred real estate costs, 900%+ ROI compared to investment made.

DATA-DRIVEN TRANSFORMATION

Space efficiency and utilization

Our four-step space efficiency and utilization service deploys state of the art IoT technology to generate data-driven insights that will boost efficiency, reduce costs and optimize your real estate portfolio.



1. Implement

As part of lighting facility improvement measure (FIM) a building wide advanced lighting controls and IoT sensor platform is implemented. Direct energy savings from LED's and controls are used to compensate investment.

2. Analyze

We collect real-time occupancy sensor data and combine it with direct user feedback to provide transparency into your current space efficiency. Then by interpreting that data, we can provide insights into space utilization and occupancy rates, identifying poorly or overly used areas.

3. Transform

Constant data capture allows you to understand and optimize your real estate for better performance and improved efficiency. Data-driven decisions can be made about downsizing, upsizing or rightsizing your entire real-estate portfolio and further integration with smart technology will drive continuous improvements.

4. Save

LED lighting and Enlighted intelligent IoT endpoint sensors deliver an immediate energy saving, with additional energy and operational savings generated from downsized spaces. Rental savings or additional lease revenue can also be made from downsized spaces and new build CapEx avoidance.



UNIVERSITY OF BIRMINGHAM

Creating the world's most intelligent university campus

A combination of digital sensor and analytics technologies, AI, decentralized energy generation and storage, and renewable energy technology create a Living Lab that allows the university to decarbonize and innovate.

>14,000sqm identified as underutilized space

The university became the first in the world to roll out IoT technology at scale when it deployed 23,000 Enlightened sensors. The IoT-enabled sensors capture real-time data about how space and energy is being used across campus and provides actionable insights that help the university to reduce energy consumption and optimize efficiency.

In total 14,000 sqm has been identified as being potentially underutilized. Freeing the space from use will save utility and maintenance costs, or repurposing the space will help optimize the estate.

"Our goal is to deliver the campus of the future, using cutting-edge technologies to make our campuses in Edgbaston and Dubai the smartest globally. This will enhance our student experience, create new research and innovation opportunities, whilst significantly reducing our carbon footprint."

— Professor Tim Jones, Provost & Vice-Principal



Contact our team to discuss your project needs, visit **Siemens Energy Performance Services**

Smart Infrastructure combines the real and digital worlds across energy systems, buildings and industries, enhancing the way people live and work and significantly improving efficiency and sustainability.

We work together with customers and partners to create an ecosystem that both intuitively responds to the needs of people and helps customers achieve their business goals.

It helps our customers to thrive, communities to progress and supports sustainable development to protect our planet for the next generation.

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**Published by
Siemens Switzerland Ltd
Smart Infrastructure
Global Headquarters
Theilerstrasse 1a
6300 Zug
Switzerland
Tel +41 58 724 24 24**

**For the U.S. published by
Siemens Industry Inc.
800 North Point Parkway
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Alpharetta, GA 30005
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