



Sustaining the smart city

For Glasgow City Council to continue to improve its carbon reduction credentials, reining in IT energy usage was vital. Our technology helped it happen.

“Cisco Energy Management Suite is a key project in reducing energy costs across our 700-plus buildings, aiding our evolution into a smart city and making savings for reinvestment.”

Andrew Mouat, Principal Officer, Carbon Management, Glasgow City Council

Glasgow leads the way in shaping a welcoming, safer and greener city of the future. Better management of IT energy use is key. The city’s people and the planet will reap the rewards.

Challenges

- Improve energy efficiency in 700+ council buildings
- Reduce IT and facilities management costs
- Assure Glasgow’s future as a smart and sustainable city

With £24 million government funding from the Technology Strategy Board for service integration, Glasgow is set to officially become a ‘Future City’. The council has a reputation for getting results. Including the best ever Commonwealth Games. Sustainability is central to that aspiration; increased IT energy efficiency was sought.

Andrew Mouat, Principal Officer, Carbon Management, says: “Better control of our IT equipment’s power consumption would pay dividends.” That would also help reduce costs, releasing funding for frontline services.

The Energy IT app from the Energy Solutions Group (ESG) was chosen to monitor the council’s IT power usage in real time. It would report carbon and cost savings weekly. Devices that fell below agreed efficiency levels would be instantly flagged. Identifying usage patterns would help refine IT policies.

Case Study | Glasgow City Council

Size: 20,000 employees

Location: Scotland

Industry: Public Sector



Funding tomorrow's more sustainable IT from today's cost savings. That makes Cisco Energy Management Suite the smart choice.

Solutions

- Cisco Energy Management Suite—from ESG under its Energy IT brand

Unobtrusive energy management

The Energy IT app is based on the Cisco Energy Management Suite. The software was installed in just hours; users were completely unaffected. "The ESG solution is straightforward, scalable, and secure," Mouat says.

All-round advice all-inclusive

The ESG service includes advice on developing the business case, drawing on its extensive building management expertise. Guidance on improving outcomes complements that.

Expert support at all levels

ACCESS, which provides specialist IT and property services to Glasgow City Council, offers first line technical support, with remote assistance from ESG.

Results

- IT energy use in 29 secondary schools dropped by nine percent over six months
- Positive ROI within five months with savings of £330,000 in first year
- Sustainable IT policy contributes towards future city ambitions

Managing 1000s of devices proven to pay dividends

Cisco Energy Management Suite has gone live on 19,000 devices in the council's 239 schools. Soon it will manage another 18,000 devices in the corporate network.

It's already possible for Glasgow to model more energy-efficient products' effects. There are plans to integrate the council's BMS and Energy IT platforms for more detailed analysis and better building management.

A pilot ran on 9,200 devices in 29 secondary schools. In six months, IT energy use dropped nine percent. That's a one percent fall in the council's IT energy use, with positive ROI in five months and first-year savings of £330,000.

"The software promised a lot and is, so far, living up to those promises." Mouat sums up.



First-year savings



Products & Services

- Cisco Energy Management Suite

For More Information

To learn more about the Cisco solutions featured in this case study, go to:
www.cisco.com/c/en/us/products/switches/energy-management-technology/index.html



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