

Beyond the envelope

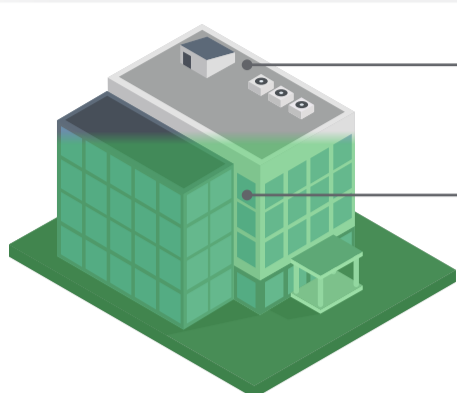
Operational energy savings for sustainability



Powerful untapped potential

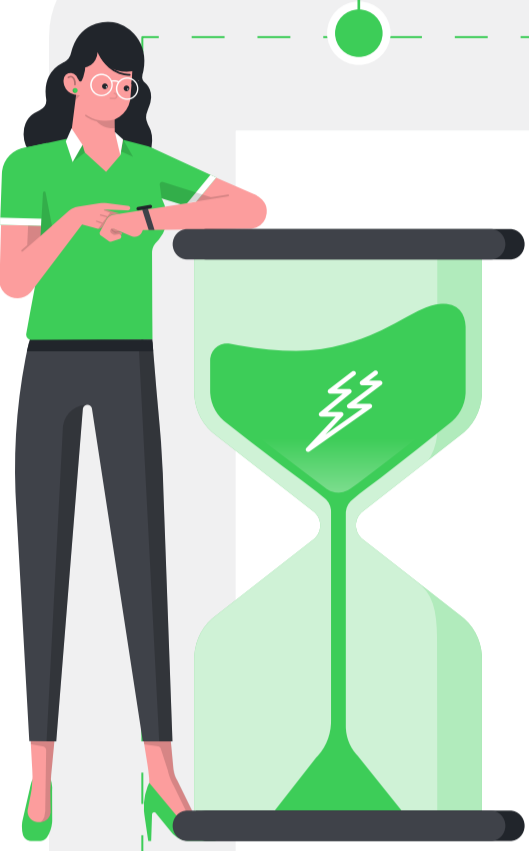
40%
of global CO₂ emissions are generated by buildings.

30%
Building operations share of global energy consumption
<https://www.iea.org/energy-system/buildings>



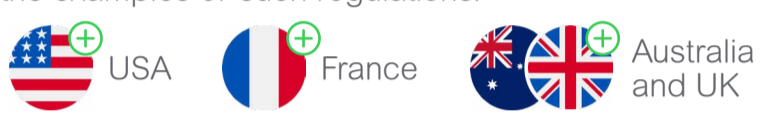
28%
Embodied energy
72%
Operational energy use

The time to act is now.



According to the International Energy Agency's Net Zero Emissions by 2050 Scenario, the building sector's energy intensity must drop **~5X more quickly over the next 10 years**³.

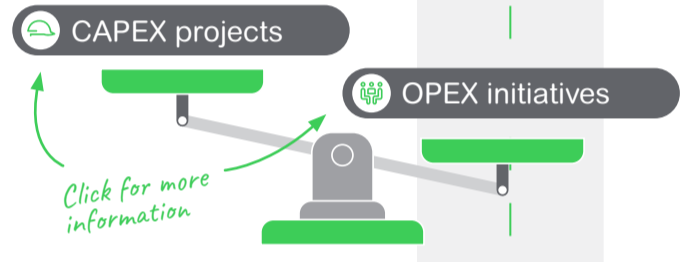
New government regulations on building energy usage require monitoring and reporting. Click to see some of the examples of such regulations.



Employees, guests, tenants, and investors expect organizations to commit to sustainability. Building and facility managers can promote effective energy strategies that attract top talent.

What can be done about it?

There are many ways to achieve sustainability and energy savings, including **CAPEX** projects or **OPEX** initiatives. Prioritization, planning, execution, and verification of results are key to optimizing payback and ROI.



Where to start

Time and budget are the greatest challenges in any energy and sustainability strategy. Data-driven analytics and insights help identify and prioritize tasks to deliver the best ROI and reinvest savings in larger energy efficiency projects.

Digitized energy systems make it easy to measure energy data, understand patterns and anomalies, and reduce waste.

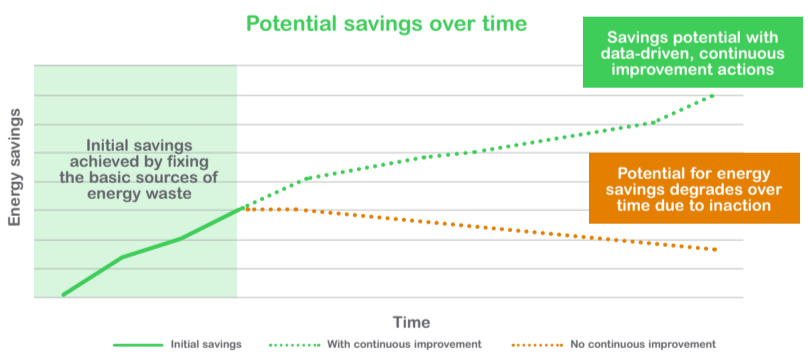
Le Grand Monarque Hotel was looking to tackle rising energy costs by gaining insights on where and how to achieve energy conservation and savings.

See how they saved 15% on energy within 6 months.

Play video

Keep improving

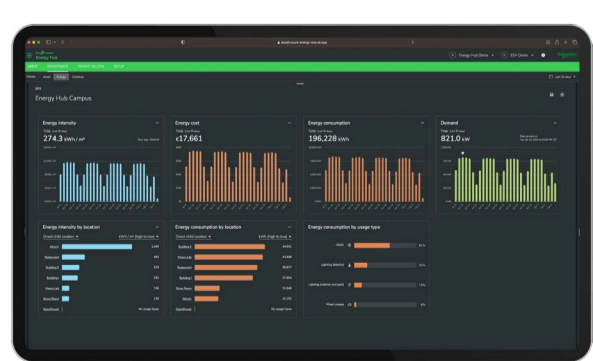
Continuous monitoring, analysis, and action are key to improving energy savings and energy waste. Over time, buildings can achieve up to **15-30% energy savings**, with typically **less than 2 years payback**.



15-30% Potential savings

< 2 years Typical payback

Get started in less than a day.



Jumpstart your energy management journey with EcoStruxure™ Energy Hub cloud-based building energy management software. Along with power and energy sensors, this integrated solution makes it easy to drive savings and sustainability.

1. <https://architecture2030.org/why-the-building-sector/#:~:text=Buildings%20generate%20nearly%2040%25%20of,%20the%20building%20stock%20annually>
 2. <https://opscience.iea.org/article/10.1088/1742-6596/1343/1/012178>
 3. <https://www.iea.org/reports/buildings>
 4. <https://www.ibm.com/downloads/cas/WLJ7LVP4>



For a proven 3-step roadmap, see our eGuide "Retrofit for sustainability: A facility manager's guide for net-zero buildings."