Symphony

Irish University Transform its Energy Efficiency

Smart Optimisation at 26 York Street



26 YORK STREET, DUBLIN, IRELAND

OWNER

RCSI ROYAL COLLEGE OF SURGEONS IN IRELAND

LOCATION

Dublin, Ireland

Context

RCSI partnered with Symphony Energy in 2020 to optimise the energy performance of its city centre campus and Beaumont Hospital buildings. This transformative journey began with 26 York Street, a flagship project, where the remarkable energy performance achieved between 2022 and 2023 sets an exemplary standard.

Challenge

26 York St was already recognised as a highly energy efficient building, fitted with high specification equipment. The diverse, mixed-use character of this building presented additional complexities due to its 18 air handlers and the various types of spaces they served.

Results

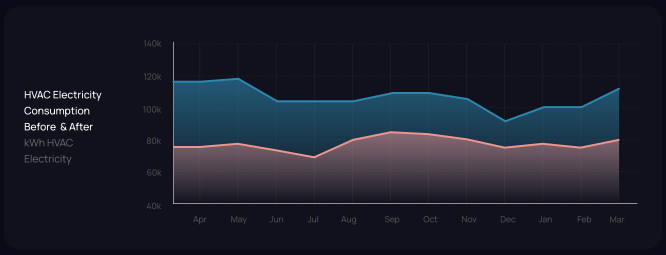
Gas consumption has been reduced by 73%, while electricity consumption saw a decrease of 27%, of which the HVAC portion has been reduced by over 70%.

Summary of Results

Electricity Savings	349,290 kWh/yr
Gas Savings	710,415 kWh/yr
Carbon Savings	250 tonnes/yr
Project Length	17 months

Total Building Gas Savings	73%
Total Building Electricity Savings	27%
HVAC Electricity Savings	>70%
Payback	4.75 years





AFTER BEFORE

Clients

TESCO pwc hibernia AVIVA RCSI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES BOLIDEN

Recent Awards

seai SUSTAINABLE ENERGY AUTHORITY OF IRELAND WINNER 2023 Sustainability via Digital Technology Award

KPMG Irish Independent PROPERTY INDUSTRY EXCELLENCE AWARDS Technology Innovation Award

seai SUSTAINABLE ENERGY AUTHORITY OF IRELAND WINNER 2024 Best Energy Services Company

Europe PropTech Innovation Challenge 2024