

Display energy certificate (DEC) recommendation report

ADELPHI BUILDING
University of Central Lancashire
Adelphi Street
PRESTON
PR1 2BX

Report number
0053-2242-9252-0744-8470

Valid until
4 May 2029

Operational rating and DEC

This building's operational rating is C.

For more information on the building's energy performance, [see the DEC for this building](https://find-energy-certificate.service.gov.uk/energy-certificate/0059-3228-8182-9796-7750) ([/energy-certificate/0059-3228-8182-9796-7750](https://find-energy-certificate.service.gov.uk/energy-certificate/0059-3228-8182-9796-7750)).

Recommendations

Make these changes to improve the property's energy efficiency.

Recommended improvements are grouped by the estimated time it would take for the change to pay for itself. The assessor may also make additional recommendations.

Each recommendation is marked as low, medium or high. This shows the potential impact of the change on reducing the property's carbon emissions.

Changes that pay for themselves within 3 years

Recommendation	Potential impact
Consider a programme of fitting energy meters to lifts and escalators as part of the service and maintenance regime.	Low
Consider engaging with building users to economise equipment energy consumption with targets, guidance on their achievement and incentives.	Low
Consider installing weather compensator controls on heating and cooling systems.	Low
Enable power save settings and power down management on computers and associated equipment.	Low
Engage experts to assess the air conditioning systems in accordance with CIBSE TM 44. (This could be an appropriate opportunity to engage an accredited energy Assessor to undertake an inspection in compliance with the Energy Performance of Buildings Regulations)	Medium
Engage experts to propose and set up an air conditioning servicing and maintenance regime and implement it.	Medium
Seek to minimise simultaneous operation of heating and cooling systems.	Low
Engage experts to review overall air conditioning strategy and propose an investment programme for upgrading and/or switching to alternative solutions.	Low
It is recommended that energy management techniques are introduced. These could include efforts to gain building users commitment to save energy, allocating responsibility for energy to a specific person (champion), setting targets and monitoring.	Medium
Consider how building fabric air tightness could be improved, for example sealing, draught stripping and closing off unused ventilation openings, chimneys.	Medium
Consider introducing or improving loft insulation.	Medium
Consider upgrading major time controls to include optimum start/stop.	Low
Changes that pay for themselves within 3 to 7 years	
Recommendation	Potential impact
Consider implementing regular inspections of the building fabric to check on the condition of insulation and sealing measures and removal of accidental ventilation paths.	Low

Recommendation	Potential impact
Consider introducing or improving cavity wall insulation.	Medium
Consider fitting secondary glazing and/or under glaze sky lights where appropriate.	Medium
Consider engaging experts to review the condition of the building fabric and propose measures to improve energy performance. This might include building pressure tests for air tightness and thermography tests for insulation continuity.	Low

Changes that pay for themselves in more than 7 years

Recommendation	Potential impact
Consider installing a ground source heat pump.	Medium
Consider installing building mounted photovoltaic electricity generating panels.	High
Consider introducing or improving ground or exposed floor insulation.	Medium
Engage experts to review the building lighting strategies and propose alterations and/or upgrades to daylighting provisions, luminaires and their control systems and an implementation plan.	Medium
Consider replacing or improving glazing.	High

Additional recommendations

Recommendation	Potential impact
Consider replacing existing fluorescent tubes with LED lighting	Medium

Building and report details

Building occupier

Building type University Campus

Building environment Heating and Natural Ventilation

Electricity used 384979 kW h

Gas used 452822 kW h

Total useful floor area 4539 square metres

Building reference RRN-0059-3228-8182-9796-7750

Report issued on 5 May 2022

Calculation tool CLG, ORCalc, v4.0.4

Type of inspection Physical

Assessor's details

Assessor's name Blessing Amin

Employer's name TEAM (Energy Auditing Agency Ltd)

Employer's address 3 Radian Court, Knowlhil, Milton Keynes, MK5 8PJ

Assessor ID EES/022537

Accreditation scheme Elmhurst Energy Systems Ltd
