HVAC Solutions for a University Campus

OFFICE BUILDINGS

Administrative & teaching staff

Building Services Requirements

- Heating and cooling requirements
- Domestic hot water
- Ventilation and IAO considerations

Equipment Solutions

Heat pumps are suitable for offices - they can provide heating and cooling and DHW.

Removes requirement for gas boilers decarbonisation.

MVHR is ideal for office space, and with filtration can provide excellent IAO.

LEISURE CENTRES

facilities, swimming pools

Building Services Requirements



STUDENT COMMUNAL AREAS

Bars, canteens, event spaces

Building Services Requirements

- Ventilation and IAO considerations

Equipment Solutions

for on-site boilers,

communal areas

DATA CENTRES

Storage of university data; serving all departments; possible IT specialists working at the campus

Building Services Requirements

Equipment Solutions

Specialist cooling to suit the density of the



STUDENT ACCOMMODATION

Building Services Requirements

- Heating requirements possibly also cooling
- Domestic hot water provision
- Management of comfort and efficiency

Equipment Solutions

Heat pumps can be provided for accommodation buildings.

Accommodation can use waste heat for heating and hot water needs in student accommodation.

MVHR for domestic spaces is ideal for improving IAQ in living space - and can even be applied in humid and kitchens.

LECTURE THEATRES

Building Services Requirements

- Ventilation and IAO considerations

Equipment Solutions







LIBRARY/STUDIOS

Building Services Requirements

- Heating and cooling requirements
- Ventilation and IAO
- Low breakout noise

Equipment Solutions

Heat pumps are suitable for libraries and can provide both heating and cooling across the year.

Removes requirement for on-site boilers, helping to decarbonise university buildings.

MVHR is ideal for library spaces and with filtration can provide excellent IAQ.

CAMPUS CONVENIENCE STORES

Building Services Requirements

Heating and cooling requirements

Equipment Solutions

are suitable to provide heating and cooling of shop areas.