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Project: Amenities Building, University of Nottingham

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Services Provided

- Design •
- Thermal Modelling •
- Air-Source Heap Pumps (Heating&Cooling) •
- Ventilation •
- Hot, Cold & Category 5 Water Service •
- **Chilled Water Services** •
- Low Temperature Hot Water Heating •
- Air Conditioning •
- Above Ground Drainage & Sanitaryware •











Student Bar Area

Graduate Space

Faith Areas

Large 500 Seat Dining Hall

Full Catering and Kitchens

Office Accommodation



A new 3 storey, 8.5million Amenities Building within the University of Nottingham's Sutton Bonnington Campus. The building includes the

Mechanical & Plumbing Value	£800,000.00
Client	The University of Nottingham

Company Registration Number: 8776799

Re-Carb Engineering Ltd

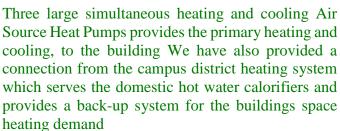
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The large bar area and 500 seat dining hall are both heated, cooled and ventilated via central displacement ventilation systems. The dining hall and atriums have also been provided with natural ventilation penthouse louvres to allow the building to operate a mixed mode ventilation strategy; all controlled by the BMS system.

The office areas are heating by a traditional LPHW Radiator system and ventilated via a ducted VAV (Variable Air Volume) system utilizing local VAV boxes.

The kitchen areas are provided with wall mounted ait conditioning units and the ventilation is provided via a heat recovery air handling unit and designated extract fan connected to the kitchen canopy.

The dirty extract from the WC facilities including disabled WC and disabled shower areas, muslin ablutions areas is extracted via high level ducted systems connected to externally mounted twin extract fans.





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