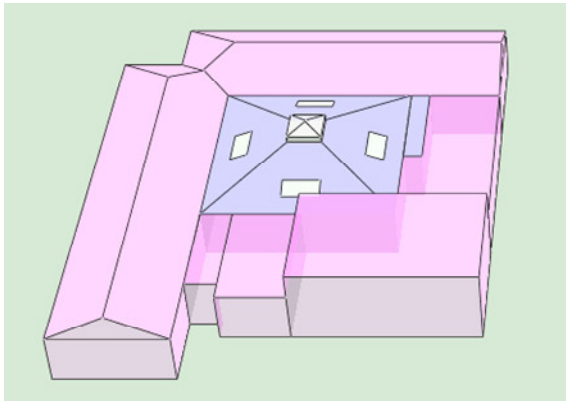




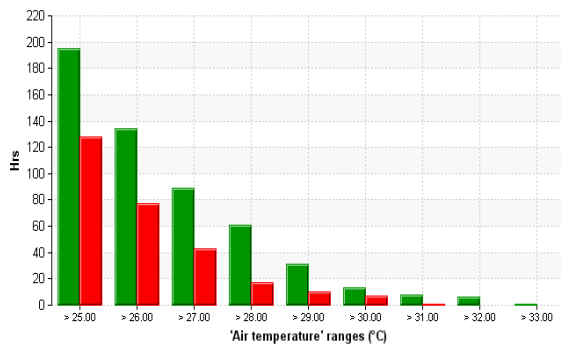
A new multi-purpose atrium space within the courtyard of the existing Boundstone Nursery & Family Centre in Lancing, West Sussex. AMA duties included performance M&E design.

Client: Mohsin Cooper  
 Value: £0.5 million  
 Date: 2014

Project challenges included ensuring sufficient daylight and ventilation from proposed rooflights as well as M&E design.



AMA design method included modelling of the proposed atrium space using IES VE, to analyse rooflight areas and impact on daylight, risk of overheating and scope for natural ventilation.



Thermal modelling proved that existing boiler had sufficient capacity to satisfy heating requirements. As the space is used by young children we opted for underfloor heating, providing a safe comfortable space.

### Key points:

- Daylight and natural ventilation analysis
- Risk of overheating assessment
- Thermal analysis to test heating requirements
- Safe for children heating system



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