Ventilation in Retrofitting

School of Architecture, Building and Civil Engineering:
Delivering a sustainable built environment through research, innovation and education

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Existing Stock: the challenges
Existing Stock: the challenges
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In 2004:

- 25°C was exceeded < 1% of the hours of use
- 28°C was never exceeded
Thermal mass

![Graph showing thermal mass with temperature levels at 22°C, 25°C, and 28°C. The graph indicates variations in indoor temperatures over time.]
Solar shading
Cross Ventilation (CIBSE AM10)
The Three Cs

• Client expectations
• Control
• Commissioning