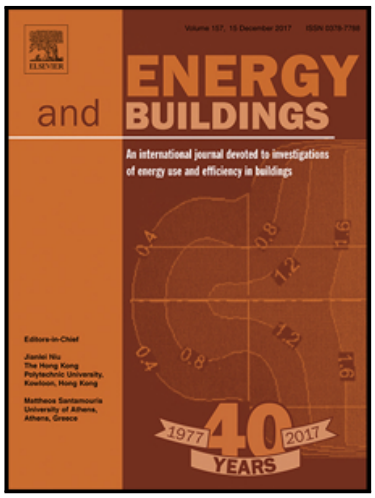

Thermal Energy Demand and Potential Energy Savings in a Spanish Surgical Suite Through Calibrated Simulations

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Highlights

- The indoor hygrothermal conditions in a surgical suite are experimentally evaluated
- A dynamic thermal model of the surgical suite is developed and calibrated
- The current thermal energy demand of the surgical suite is assessed
- Different ventilation strategies are studied to reduce the suite's energy needs