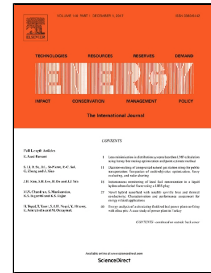


# Accepted Manuscript

CO<sub>2</sub> based ventilation control in energy retrofit: an experimental assessment

Luigi Schibuola, Massimiliano Scarpa, Chiara Tambani

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**HIGHLIGHTS**

- A DCV system was installed to serve a public library in an ancient building
- A monitoring campaign of the building-plant system was carried on
- The DCV annual performances were quantified in detail for this context
- The study shows net energy savings by DCV vs the alternative of a CAV system
- The capability to grant good comfort conditions is also confirmed

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