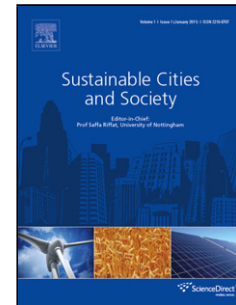


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Title: Towards the next generation of intelligent building: An assessment study of current automation and future IoT based systems with a proposal for transitional design

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Highlights

- A study on the potential of smart buildings in the future smart cities.
- Evaluation of current technologies and their merits in creating smart buildings.
- Highlight the shortcoming of those legacy automation systems in the new smart cities and smart grid requirements.
- Introduction to the future technologies and assessment of the potential risks of investment.
- We introduce and analyse an interoperable hybrid software-hardware framework for the progressive phasing out of the former and the adaptation of the latter in a coexistence transition era with returns in reduced investment cost and risk, leading eventually to faster evolution.

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