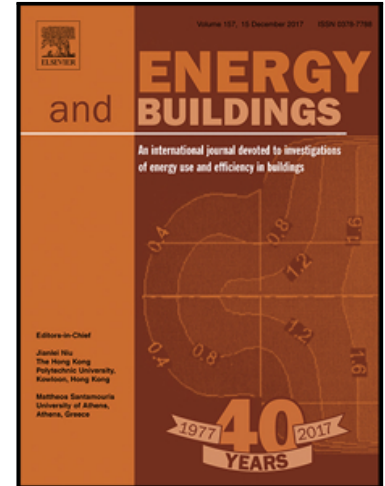


## Accepted Manuscript

Development of a multiobjective optimization procedure dedicated to the design of district energy concept

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## Highlights

- A new multiobjective optimization procedure for district energy performance is presented.
- The optimization procedure is multi-level and integrates the NSGA-II algorithm.
- Energy needs and consumption, economic cost and global warming potential were studied.
- The case study concerns the design of an eco-district.
- The optimization procedure gives accurate results with a low computational time.

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