

## Accepted Manuscript

Holistic Modelling Techniques for the Operational Optimisation of Multi-Vector Energy Systems

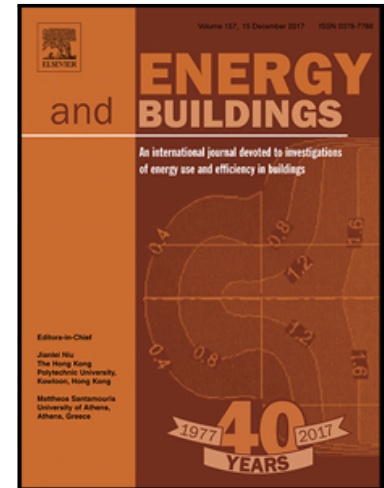
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PII: S0378-7788(17)34024-0  
DOI: [10.1016/j.enbuild.2018.03.065](https://doi.org/10.1016/j.enbuild.2018.03.065)  
Reference: ENB 8451

To appear in: *Energy & Buildings*

Received date: 11 December 2017  
Revised date: 22 March 2018  
Accepted date: 26 March 2018

Please cite this article as: Jonathan Reynolds, Muhammad Waseem Ahmad, Yacine Rezgui, Holistic Modelling Techniques for the Operational Optimisation of Multi-Vector Energy Systems, *Energy & Buildings* (2018), doi: [10.1016/j.enbuild.2018.03.065](https://doi.org/10.1016/j.enbuild.2018.03.065)



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**Highlights**

- This paper provides a holistic review of modelling techniques for district energy systems including both supply and demand.
- Emphasis was placed on techniques applicable for use in real-time, operational optimisation.
- Models based on artificial intelligence techniques were found to be suitable in most cases.
- The requirements for a future, holistic, district optimisation platform are outlined.

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