

65 kWh environmental protection

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The main data that support the findings of this study are available as supplementary tables. Additional data are available from the corresponding authors upon request.

The computer code used to generate the results that are reported in this study are available from the corresponding authors on reasonable request.

The authors acknowledge funding from the EPSRC (J.-F.M., fellowship no. EP/K007254/1), the Newton Fund (J.-F.M. and P.S., EPSRC grant nos. EP/N002504/1 and ES/N013174/1), the ERC (M.A.J.H. and S.V.H., grant no. 62002139 ERC - CoG SIZE 647224), Horizon 2020 (J.-F.M., F.K. and H.P.; Sim4Nexus project no. 689150) and the European Commission (J.-F.M., H.P., F.K. and U.C.; DG ENERGY contract no. ENER/A4/2015-436/SER/S12.716128). F.K. acknowledges participants of the CIRED summer school in Paris (2018) for valuable discussions.

F.K. designed the research and wrote the manuscript, with contributions from all authors. S.V.H. and F.K. performed the life-cycle analysis, with contributions from M.A.J.H. F.K., J.-F.M., U.C. and H.P. ran the model simulations. U.C. and H.P. managed E3ME. J.-F.M. and A.L. developed FTT:Transport. F.K. and J.-F.M. developed FTT:Heat. J.-F.M. and P.S. developed FTT:Power.

The authors declare no competing interests.

Publisher's note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

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Received: 21 March 2019

Accepted: 12 February 2020

Published: 23 March 2020



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