Dataset on the development of residential building renovation strategies

Version 1.0

Bertini, Aurora; Dasse, Maxime; Gobbo, Emilie; Attia, Shady, 2025, "Dataset on the development of residential building renovation strategies", https://doi.org/10.7910/DVN/5RZZHP, Harvard Dataverse, V1

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Description ❓

The dataset provides insights into the early design and parametrization of six building renovation strategies for a single-family dwelling in Belgium. Detailed focus group reports capturing the conceptualization of the retrofit scenarios are provided. This preliminary information is used for the energy modeling of the proposed retrofit scenarios in DesignBuilder and the subsequent sensitivity analyses. The energy models of the retrofit scenarios provided here are derived from the model of Attia et al. [1]. [1] Attia, S. (2021). Benchmark models for post-world war II residential buildings (Version V3) [Dataset]. Harvard Dataverse. https://doi.org/10.7910/DVN/MNWQZH (2025-01-01)

Subject ❓

Engineering

Keyword ❓

building retrofit, renovation packages design, building energy modeling, sensitivity analysis, decarbonization

Related Publication ❓

References: Attia, S. (2021). Benchmark models for post-world war II residential buildings (Version V3) [Dataset]. Harvard Dataverse. https://doi.org/10.7910/DVN/MNWQZH

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