



LCA plugin developments

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User Groups

The LCA/LCC plugin is designed to support different users for different life cycle stages of the building retrofitting process. Specifically, the following **user groups** are foreseen for the use and/or interaction with the LCA/LCC plugin:

- Design team;
- Investor/customer;
- Technology provider;
- Manufacturer/installer;
- Energy-facility manager;
- Final user (resident)
- LCA-LCC Specialist.

Main Functionalities

The LCA Plugin is a tool to calculate **environmental impacts** and analyse **hotspots** in the life cycle of building retrofitting solutions. Specifically, the plugin will enable:

- Modelling different renovation solution options, both in terms of kits and overall buildings.
- Ranking of the different options according to environmental parameters (e.g., CO2 eq, m3 water used, toxicity, cumulative energy demand).
- Update of LCA results with more specific data for specific life cycle stages with the advancement of the design and renovation process.
- Impact presented per single stage and for the whole life cycle.
- Visualization of system boundaries and life cycle stages assessed.

Demo video 1 – main functionalities



Buildings

Kits





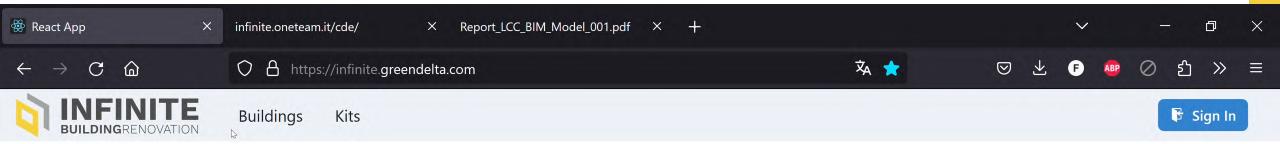
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Life Cycle Assesment For Building Renovation

Please login in order to use this plugin

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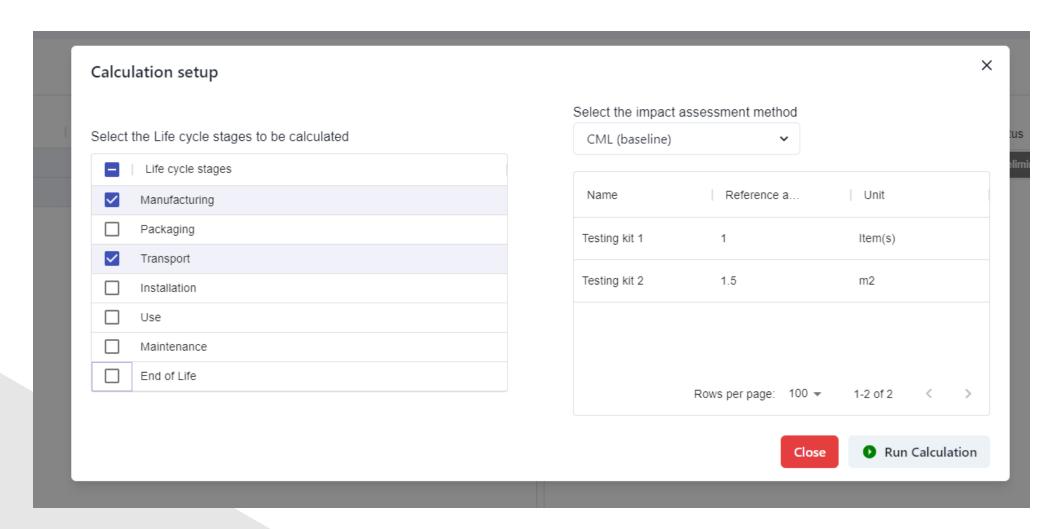
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Set-up of Kit comparative LCA calculation



Demo video 2 - Comparison



Buildings

Kits





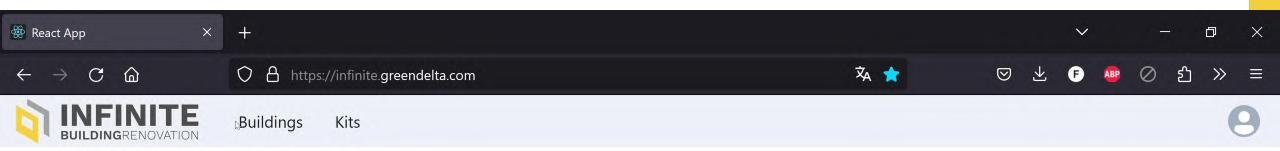
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Consortium

Coordinator



Project Partners











































Thank you for listening!

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