

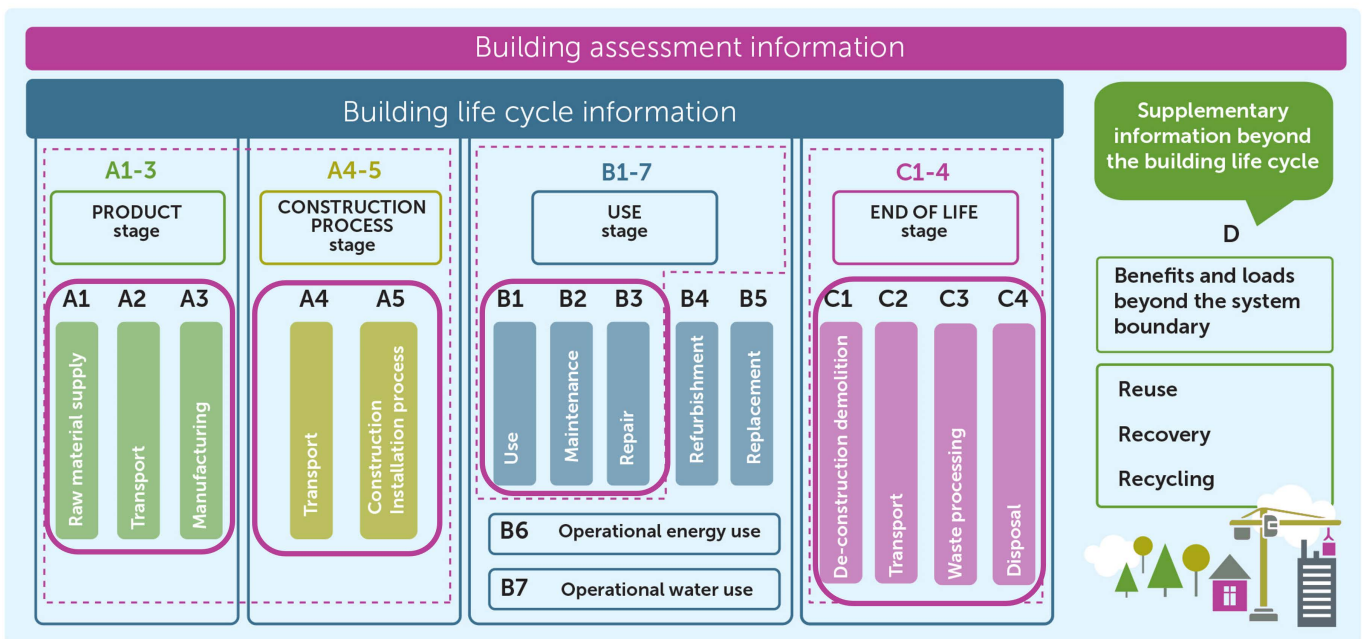
# An introduction to TM65 ASSESSMENTS

CIBSE TM65 is a methodology offering basic or mid-level calculations designed to aid consultants, researchers, and manufacturers in evaluating the embodied carbon of building services equipment when an environmental product declaration (including PEP) is not available.

TM65 assessments can be considered as Type II environmental declarations which are classed as 'self-assessments' and are not 3rd party verified.

As clearly indicated in the methodology text, asking manufacturers for EPD/PEPs should be the first step to establishing the embodied carbon of MEP products. Requesting a TM65 should only occur when EPD/PEPs are not available from the manufacturer.

**TM65 Assessments aim to cover the following LCA stages:** A1, A2, A3, A4, A5, B1, B2, B3, C1, C2, C3, C4



The TM65 methodology document considers embodied carbon at an individual product level, not at a building level.

The TM65 methodology states that LCA stages B4 & B5 are not included at product level.

*A fuller description of the methodology and its scope can be found within the CIBSE document: Embodied carbon in building services: a calculation methodology TM65: 2021*





## Benefits:

Manufacturer:	Customer:
<ul style="list-style-type: none"> <li>• More cost effective than typical EPD/PEP process</li> <li>• Easier process</li> <li>• Good stepping stone into Embodied Carbon, provided EPD/PEP does not exist</li> <li>• Completing the DT65 (digital tool) helps to understand the EC values</li> <li>• Driving down carbon emissions based on the results</li> <li>• Established methodology from an industry recognised body</li> <li>• Basic or mid-level calculations</li> </ul>	<ul style="list-style-type: none"> <li>• Good stepping stone into Embodied Carbon, provided EPD/PEP does not exist</li> <li>• Potentially quicker to get a TM65 than EPD/PEP if EPD/PEP do not exist</li> <li>• Established methodology from an industry recognised body to compare results</li> </ul>

## Limitations:

Manufacturer:	Customer:
<ul style="list-style-type: none"> <li>• Threshold difference between basic / mid-level calculations</li> <li>• CIBSE need to maintain/update the methodology when new technologies occur</li> <li>• Not linked to any Standards</li> <li>• Not linked to the BEAMA definition of EC (A1 – A3)</li> </ul>	<ul style="list-style-type: none"> <li>• Only for MEP products</li> <li>• Not as accurate as an EPD/PEP</li> <li>• CIBSE need to maintain/update the methodology when new technologies occur</li> <li>• Not linked to any Standards</li> </ul>

### Find out more

BEAMA and our members have joined forces to increase awareness of the complexities of embodied carbon data for MEP (mechanical, electrical, and plumbing) products.

For more information about the Product Carbon Initiative click here.

