# Architectus Project Kick-Off

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### Overview: Embodied Carbon Estimation

#### Study 1: Case Study

- Embodied carbon journey @ Architectus
- The implementation and use of OneClickLCA @ Architectus
- Outcome: Framework

#### Study 2: Action Design Research

- Designing a digital solution
- Outcome: System design

### Overview: Embodied Carbon Estimation

#### Study 1: Case Study

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Basis for Study 2

Data collection (first round): November-December 2024

11/10/2024

## Study 1: Case Study

Embodied carbon journey @ Architectus

The implementation and use of OneClickLCA at Architectus

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- What are the strategies for sustainability & embodied carbon?
- What are the tools for embodied carbon estimation and management?
- What are the challenges?
- What is the digital transformation journey for embodied carbon?

## Implementation journey of OneClickl CA

- When was the adoption?
- What motivated the adoption?
- Who initiated the implementation?
- What was the process of vendor contact?
- What were the challenges?
- What are the modules of OneClickLCA?

OneClickLCA for verification in Barker's College Hub project

- What was the use of OneClickLCA?
- What functions of OneClickLCA were used?
- How was the process?
- What were the changes in practice?
- What were the challenges?
- What was the result?

11/10/2024

## Study 1: People

Principal Level

Sustainability Team

Team Level

5 Interviewees (Tentative)

OneClickLCA for verification in Barker's College Hub project

- Specific users in the project
  - Functions used
  - Changes and impacts
  - o Challenges
- Project stages and outcomes

Embodied carbon journey @ Architectus

- Sustainability & embodied carbon strategies
- Embodied carbon practices and tools
- Digital transformation for embodied carbon

Implementation journey of OneClickLCA

Adoption motivation

...... 10 Interviewees (Tentative) ......

- Implementation process e.g. internal requirements, planning, vendor contact, deployment, knowledge transfer, training, testing, etc.
- Functional modules

## Study 1: Documents

#### Examples

- Sustainability & embodied carbon strategies
- Embodied carbon project reports

Implementation journey of OneClickLCA

Motivation

e.g. requests, issues raised, sustainability goals, client requests

- Implementation timeline
- OneClickLCA training document

OneClickLCA for verification in Barker's College Hub project

- Project timeline
- Use of OneClickLCA
- Embodied carbon calculation documents
- Lessons learned, project reflection

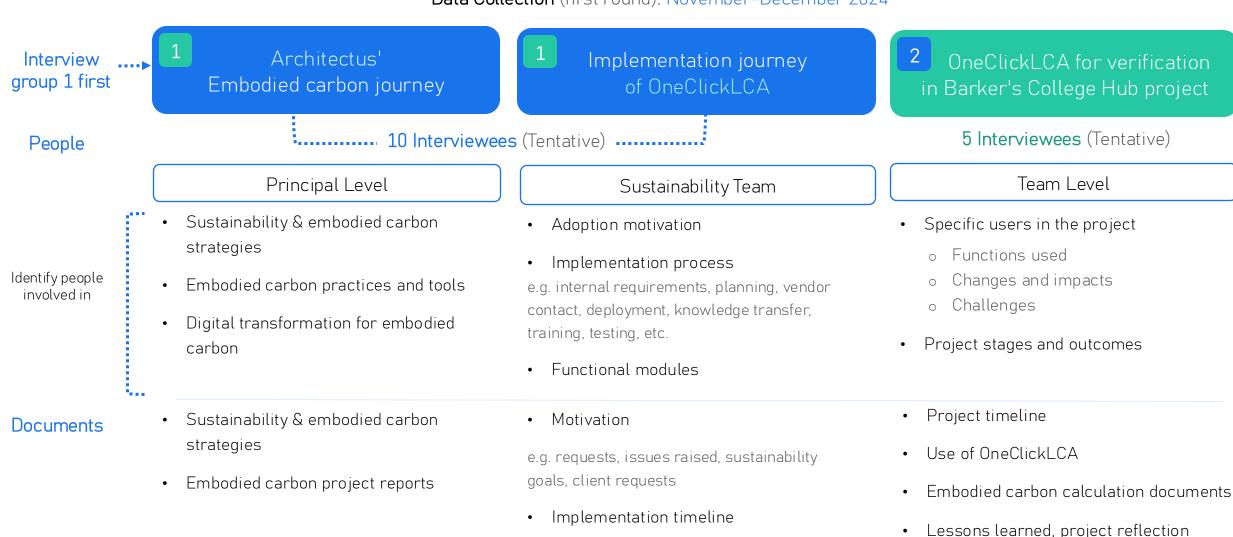
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STUDY 1 CASE STUDY

### Architectus' embodied carbon journey

The implementation and use of OneClickLCA at Architectus

Data Collection (first round): November-December 2024



OneClickLCA training document

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