Engineering Comes Home

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Engineering Comes Home

- Bottom-up approaches
- Water-energy-food nexus
- Co-designing infrastructure
- Tools for designers
Located in South London
123 flats
Combination of leaseholders and tenants
Co-design: overall approach

- Nexus token
- Options appraisal
- Co-design workshop
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- Ethnographic research
- Factsheets
- LCA calculator
- Video and recording
- Evaluation
What’s in our toolkit (so far…)?

• Social practice methods
• Co-design methodology (tools, processing outcomes)
• 2-4-8 value elicitation
• Tokens and equipment for building and discussing systems ideas
• Video documentation and sound recording
• Field observation template
• Formalised method for analysing workshop outcomes
• Options appraisal (feasibility, desirability)
• LCA calculator
• Fact sheets and photos for selected technology options
• Rainwater calculator
• Rainwater design specification worksheets
• Community infrastructure mapping
• Evaluation template
LCA calculator

https://calculator.iilab.org/
https://ech.iilab.org/

INFRASTRUCTURE CO-DESIGN KIT

A toolkit that helps infrastructure engineers and communities to work together at the water, energy, food and waste nexus

GET STARTED

Method statements to co-design infrastructure with communities

0: SETTING AIMS
1: CHARACTERISING COMMUNITIES
2: REQUIREMENT CAPTURE