

Technical Research Unit

Evidence base and business case for better outcomes

A presentation for
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SHAP Technical Research Unit

Launched March 2015

Providing:

- access to leading edge research
- engagement in innovative projects at low risk
- support for technology and asset investment plans
- relationships with suppliers of new technologies and approaches

Project proposals

Ventilation and Indoor Air Quality retrofit and study

- Budget ~£2m; 3 years

Insurance-backed warranty for retrofit

- Budget £500K - £1m; 3 years

Construction procurement routes report

- Budget <£100K; 1 year

Tenant engagement in building-user surveys via web app

- Budget £300K; 2 years

Ventilation and Indoor Air Quality (VIAQ)

Sponsored by Rooftop Housing

Investigate causes of poor IAQ and optimal ventilation strategies in 3 stages:

1. Project development, survey and preliminary report
2. Pre-retrofit monitoring of 90 homes
3. Monitoring homes post-retrofit

Approaches made to potential funders:

- Ventilation manufacturers
- National Institute for Health Research

Budget ~£2m; 3 years

Insurance-backed warranty for retrofit

Led by Red Co-op

Terms of reference being developed:

- Technical and quality control standards
- Energy performance
- Business model

Potential partnerships and funding:

- The Retrofit Academy
- Oxford Brookes University
- Insurance company

Budget £500K - £1m; 3 years

Construction procurement routes report

Quantitative survey of procurement routes for new build housing projects

Sponsor not yet confirmed

Budget <£100K; 1 year

Potential partners and funders:

- Royal Institute of Chartered Surveyors Research Fund
- Chartered Institute of Purchasing & Supply
- Cranfield University

Tenant engagement in building-user surveys

Building-user surveys and development of web application

Sponsor not yet confirmed

Budget £300K; 2 years

Potential partners and funders:

- Digital Catapult
- Coventry University
- Usable Building Trust
- ERDF

Any questions?
