



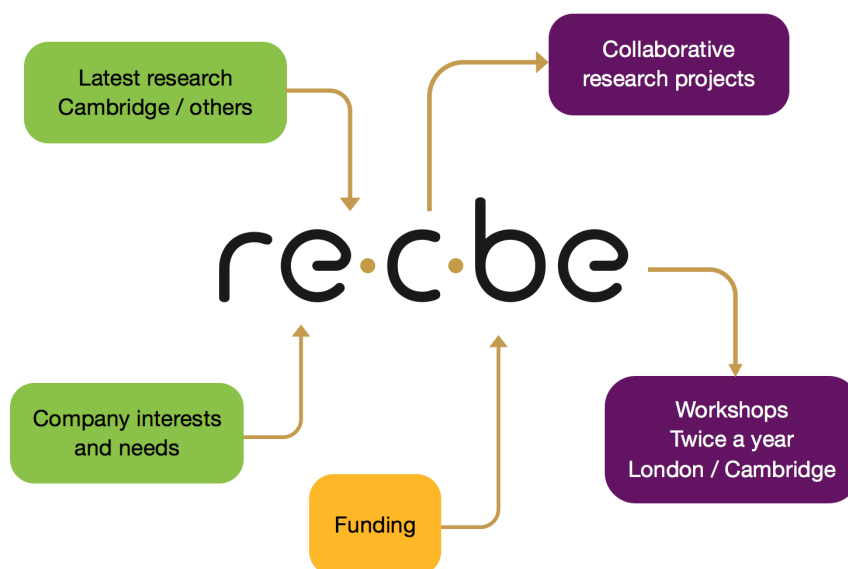
RESOURCE EFFICIENCY in Construction and the Built Environment

Nearly half of the UK's carbon emission are linked to the construction and operation of the built environment, and this figure excludes the embodied carbon in the materials used in construction. The challenge to reduce emissions from the built environment is immense: buildings have long lives locking in use-phase performance over generations; new build rates are at only 1% per year compared to the existing building stock requiring difficult retrofit options; design and construction processes are complex involving numerous materials, products, trades and decisions. And all the while, consumers continue to demand higher levels of service provision from the built environment.

RECBE responds to these challenges by seeking to answer the question: how can the built environment deliver future energy and material services, while at the same time reducing resource use and environmental impact? RECBE provides a regular forum for academics, designers, engineers, contractors and policy makers to explore these ideas, to formulate novel solutions, and collaborate together on research and implementation projects.

Practically, this means meeting two or three times a year, for a presentations and discussion around a chosen topical theme. Members are encouraged to present their ideas and findings from their research projects and activities, and to be open to potential collaborations. A small steering committee will be formed from the members to help with host and run these events.

Please feel free to join in, invite others and contribute in any way you can, to make this venture a success.



Contact

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Past workshops

To date we have had four meetings, convened as a Steering Committee for the Knowledge Transfer Partnership between Granta Design and Cambridge University.

Date	Theme	Venue
17 Feb 16	Enabling re-use in the construction sector	IoM3
22 Sep 16	Environmental reporting for construction products	UCL
8 Feb 17	Energy Cost Metric: balancing capital cost and whole life energy	Granta Design
19 Jul 17	Material passports and buildings as material banks	BAM Costruction

Past attendees

Company	Name	Company	Name
Alliance for Sustainable Building Products	Simon Corbey	London Waste and Recycling Board	Philip Guthrie
BAM Construction UK	Nitesh Magdani	Max Fordham	Joel Gustafsson
BAM Construction UK	Jesse Putzel	Max Fordham	Katie Doig
Breathing Buildings	Shaun Fitzgerald	National Energy Foundation	Kerry Mashford
Building Research Establishment	Gillian Hobbs	Pollard Thomas Edwards	Tom Dollard
Concrete Centre	Guy Thompson	SDC (Survey, Design and Construction)	Simon Morrall
Construction Products Association	Jane Thornback	Smith and Wallwork	Simon Smith
Environment and Energy	Alexander Reeve	Steel Construction Institute	Michael Sansom
Estate Management	Brian Williams	Tarmac	Colin Dowds
ETECH student team	André Paul Neto-Bradley	Tarmac	Emma Hines
ETECH student team	Charles Ferguson	Tata Steel	Alex Small
ETECH student team	Francesca O'Hanlon	Travis Perkins	Jez Cutler
ETECH student team	Socrates Angelides	University College London	Kell Jones
FRR Architects	Oliver Cooper	University College London	Colin Rose
Granta Design	Donna Dykeman	University of Cambridge	Jonathan Cullen
Granta Design	Dave Cebon	University of Cambridge	Maximilian Bock
Granta Design	James Goddin	University of Cambridge	Cyrille Dunant
Grimshaw Architects	Peter Swallow	University of Cambridge	Michal Drewniok
Grimshaw Architects	Radu Gidei	University of Sheffield	Danielle O Densley
Healthy Power Alliance	Nathaniel Whitestone	University of Sheffield	Tingley
HS2	Andrea Charlson	Wood for Good	Christiane Lellig