

# Innovation Priorities – “Meet the Buyer” Event with Cambridge Cleantech

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| Energy and Renewables for application in both new build scenarios and in retrofitting of older buildings. | New products or products under development for renewable energy capture or generation in the built environment; Solar Power; PV glass technologies e.g. PV Solar, other local generation technologies including piezoelectric power generation e.g. Pavegen and similar companies.  |
| Energy insulation approaches for new build and retrofitted older buildings                                | New products or products under development for enhanced insulation performance for the building fabric. To include glazing systems, curtain walling, triple glazing secondary glazing products and fabric first wall insulation systems, retrofitted systems, air management and chemical material treatments for the internal and external fabric to improve U values.   |
| Energy Storage Technologies for the Built Environment   | Companies offering local energy storage and supply systems off grid e.g. Connected Energy, to enable peak power energy lopping and storage and local off grid utilisation. Other novel or emerging technologies to maximise value from local energy storage and utilisation technologies including car charging.  |
| Carbon Storage and Sequestration in new build   | Companies offering bio-based and bio-philic material based products to enhance the Carbon sequestration as part of life cycle analysis and embodied energy management of buildings.   |
| Local materials and Local Supply Chains   | Examples of building systems and processes that maximise local use of materials and local production/manufacture and off site construction to both reduce transport miles and carbon impact but also maximise local job creation and use of local resources.<br>Modular systems and fabricated systems, flying factories and use of new technologies and the manufacturing process to enhance product efficiency. |
| Heat Pumps and Mechanical Ventilation and Heat Recovery Systems   | Examples of the latest product offers in the use of efficient air handling systems in the context of ‘air tightness’ linked to the use of non-gas heating and cooling systems for office environments with a low or zero carbon footprint.  |
| Building Control Systems  | Examples of new control and operational systems to enable smart and efficient use of resources and building performance optimisation in use.  |
| Other   | Other new or emerging products or technologies that can be deployed to reduce both operational and embodied energy in buildings, both new build and retrofitted buildings.  |