Cyngor Cyllido Addysg Uwch Cymru Higher Education Funding Council for Wales





Introduction

Sustainable Building Envelopes

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Low Carbon Research

LCRI has united low carbon energy research interests across academia, industry and government.

It provides a solid research base for existing Welsh industries.

It is an example of how government funding can be used to build research capacity and create jobs in Wales. LCRI is a unique partnership between Academia, Government and Industry to drive forward the low carbon agenda.

Government

Policy and funding

LCRI LOW CARBON RESEARCH INSTITUTE

Universities

Research and training

Industry

Development and implementation

Projects Areas

Zero Carbon Buildings

Marine tidal flow energy

Hydrogen

Photovoltaic energy systems

Large scale power generation

Bio-energy

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Low Carbon Built Environment

Components

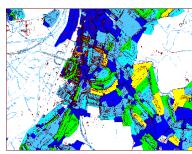


Urban Scale

Regional







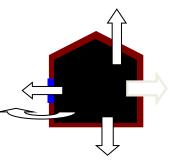




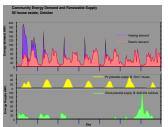


Demand

Supply











BUILDINGS AS POWER STATIONS





Lower cost

Better integrated into design







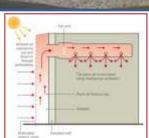
Energy generating buildings



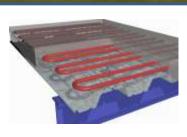




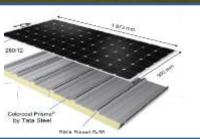








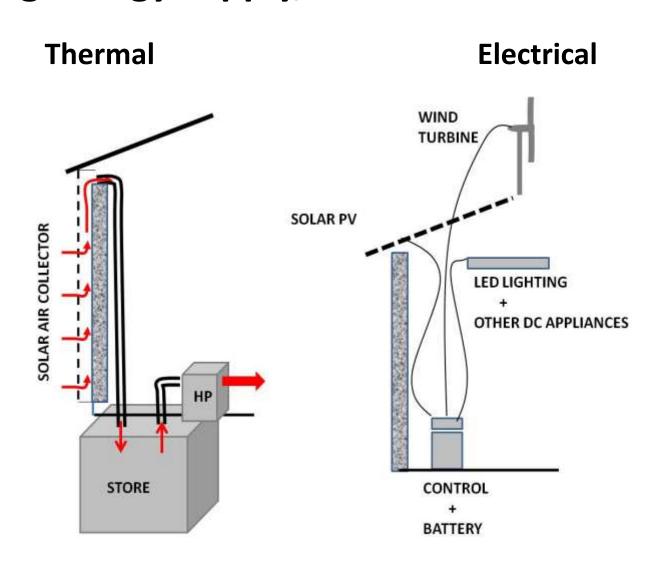






SOLCER

linking energy supply, to demand and storage



SBED is an example of what we can do in Wales

The Welsh Government's commitment to low carbon buildings.....

... the LCRI working with industry to drive innovation forward....

.... new products will create massive job opportunities....

... demonstrating renewable energy technologies.....

.....that will shape the future

