Project Part-Financed by the European Union

European Regional Development Fund

The University of Nottingham

Accelerating a Low Carbon Economy :

An opportunity for East Midlands SMEs and Nottingham graduate students

Melanie Watts

Energy Technologies Research Institute

towards a sustainable future

The University of Nottingham

Energy Technologies Building

University of Nottingham Innovation Park

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Energy Technologies Building

new £6.5m low energy research centre
- flexible electrical systems
- renewable energy
- low energy buildings
- hydrogen storage and conservation
- carbon capture and storage
- biofuels

2100 m² facility comprising:
- research laboratories
- workshops
- offices
- seminar space
- exhibition hall
- roof top research areas
- external prototyping areas

a “low carbon home for low carbon technologies”

exemplar project targeting a BREEAM ‘outstanding’ rating

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ALCE: What will it do?

- Accelerate a low carbon economy in the region
- By catalysing increased regional business innovation
- Enhancing university-business interaction

Pellets capturing CO2 using amine polymer

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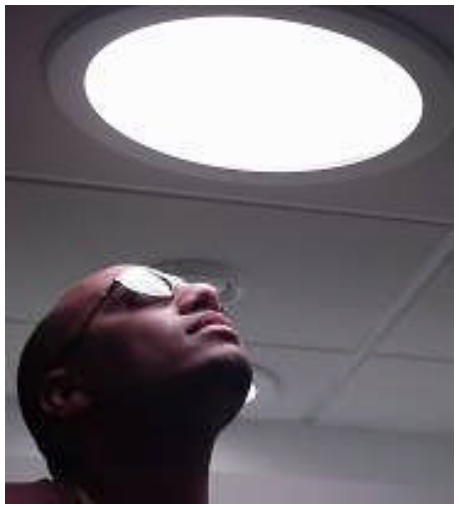
ALCE Stakeholder involvement

1. Events
2. Graduate Placements
3. Collaborative research and facilities
4. Committees



Light pipe in university's Eco House

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Connecting to businesses

- Information and networking events
- Annual conference
- Technical seminars
- Showcase & Demonstration events
- Referrals

Uniflex Controller

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Graduate Placements

eg:

- MSc dissertation*
- Vacationships*
- KTP (www.ktponline.org.uk)
- Sponsored PhD/EngD

* Graduate Placement Fund

Students involved in construction of Creative Energy Homes

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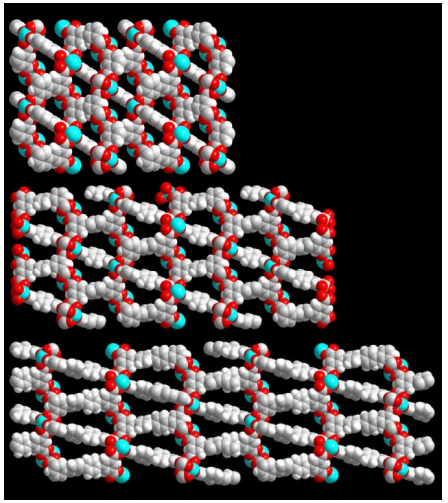
Dissertation Project Placements

❖ Networking Opportunity (Morning and afternoon)

❖ Presentations

- MSc Courses & projects
- SME project proposals
- Knowledge Transfer Projects (KTPs)



MOF polymer for world-record Hydrogen storage

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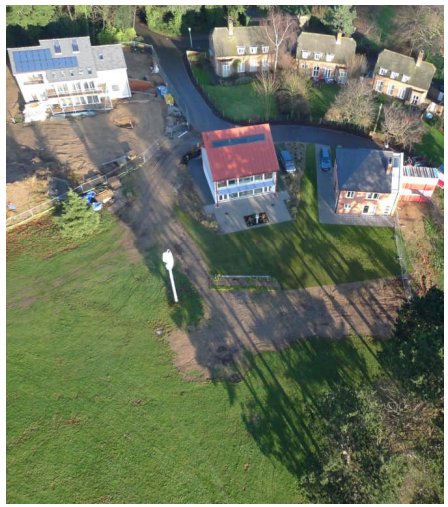
Next Steps



Creative Energy Homes, University Park

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