The East Midlands Sustainable Construction Innovation Network (SC iNet)
What is an iNet?

Innovation

Network

Innovation

Innovation

Innovation

SC-iNet

Innovation

Innovation

Innovation

Innovation
What is iNet’s function?

Network

Higher Education Institutions
Business
Universities
SME
Business
SC-iNet
SME
The iNet outcomes?

Network

Profits
New ideas
Knowledge
Jobs
Skills
Jobs

SC-iNet
Where do we fit in?
Timeline of Issues

2009
- First payment for Carbon Reduction Commitment
- Government take on carbon budgets for own estate and operations

2010
- Building Regs Part L up 25%
- Target for government buildings 15% more efficient than '99/'00
- Public sector to meet target to procure new cars that meet EU standard

2011
- Target 50% less construction waste to landfill
- Large and medium sized companies to report carbon

2012
- Building Regulations up 44% compared to ‘06
- Emissions from capped under Carbon Reduction Commitment

2013
- NHS expects to reduce footprint by 10%

2014
- Smart Meters to be installed at all large non-resi sites

2015
- All new Public Sector buildings zero carbon
- NHS expects to reduce footprint by 10%

2016
- All new schools to be Zero Carbon

2017
- All new non-domestic buildings zero carbon

2018
- Public Sector to have cut GHG emissions by 30% from 1999/’00

2019
- All new non-domestic buildings zero carbon

2020
- All new homes to be zero carbon
- Building Regulations up 44% compared to ‘06

So Innovation?

It’s not just the “new” idea...

...it’s the **successful exploitation** of that idea
How does the iNet do this for the Construction Sector?
By seeking innovation in...

1. Innovative construction products & processes
2. Renewable energy products & strategies
3. The Code for Sustainable Homes
4. Sustainable refurbishment
5. Resource efficiency
6. Intelligent buildings
In these sub sectors

Sustainable Construction
plus associated areas

Sustainable Construction

Sustainable Construction iNet
east midlands innovation

Investing in your future
European Regional Development Fund

East Midlands Development Agency
Innovation Drivers

Others: “Curiosity”, “making money” and “man’s inherent obsession with progress”
Throughout the industry there are a large number of companies spending either **nothing** or very little on R & D compared to their annual turnover.

Source: CIOB Survey 2007
We can help…

Collaborative Research & Development (CRD)

Opportunities for SMEs to work with a University research department to develop a product or process.

Innovation Support (IS)

Matched funding to offer SME companies:
- Up to £7,000 per company / year
IS Core Criteria

• SME agrees to engage in innovation activity, approx. 3 months in duration, backed by a project plan which demonstrates that it will benefit from innovation specialist consultancy support;

• Can indicate the potential to grow and develop, commercialise the results of the innovative activity, and thus improve the business’ future sustainability and regional economic contribution;

• Has sufficient financial, human and physical resources to meet the ‘match funding’ requirement.
CRD Core Criteria

• Must include 2 or more regional Higher Education Institutions (HEIs).

• Project must leverage additional (downstream) public sector funding of at least 3 times the value of the award.

• Some institutional contribution (cash or ‘in kind’) is required.

• Must have demonstrable economic benefit to the region.

• Preferably SME partner involvement, although not essential.

• Awards will be subject to ongoing monitoring and evaluation to inform the iNet team of effectiveness and impact.
We’ve already helped many companies…
IS recipient distribution 2009-10

<table>
<thead>
<tr>
<th>Nature of Business</th>
<th>Innovation Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply of product or service</td>
<td>17</td>
</tr>
<tr>
<td>Architect/Design</td>
<td>6</td>
</tr>
<tr>
<td>Building contractor/ house builder</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>26</td>
</tr>
</tbody>
</table>
IS types

Types of Innovation

- Water metering technology development
- Rainwater harvesting systems
- New brick construction system
- Strawbale innovation
- Product and process improvements
- New recycled waste material
- Business Plan
- Self build design
- Software Design
- Wind turbine blade testing
- Flood proof foundations
- Easy ground source heat pumps
- Eco off site construction
- Gap Analysis
- Web development
- Marketing Support
- Market Assessment
Right As Rain

- Stormsaver Ltd is the UK market leader in commercial rainwater harvesting solutions

- The launch of its Monsoon® system – specifically for domestic properties – opened up new revenue streams

- iNet assistance and an ISG allowed Stormsaver to market the Monsoon® system effectively
A Blast Proof Innovation

- Midland Industrial Designers is a leading manufacturer of specialist powder handling valves

- The company approached the Sustainable Construction iNet for assistance in the development and certification of an innovative new rotary valve

- The innovation has secured jobs and the company is benefitting from a new revenue source.
Other emda Grants

**Grant for Business Investment (GBI)**
GBI makes discretionary grants available to support businesses with investment projects which will increase productivity, skills and employment in deprived areas in England.

**The Grant for Research and Development (GRD)**
helps businesses carry out research and development work that will lead to technologically innovative products or processes.
SC iNet Targets

In the East Midlands, this year, we intend to:

- Host networking / technology / skills events for 433+ individual SMEs
- Create 12 new jobs
- Assist over 70 SMEs in business performance
- Assist 285 people improve their skills development
- Grant 35 Innovation Support (grants) up to £7,000 of matched funding
- Support 5 CRD collaborations involving HEIs and SMEs
What about help for your business?

- For further information either contact me on 01604 89 2836
  - or visit [www.eminnovation.org](http://www.eminnovation.org)