Working together to reduce emissions

The Energy Technologies Institute is a UK partnership between Government and Industry that commissions renewable energy projects in heat, power, transport and infrastructure.

The projects bridge the gap between research and development and large-scale commercial deployment of renewable energy technologies.

As a public-private partnership, the ETI is in the best possible position to identify and commission the kind of projects which will accelerate the development and deployment of large-scale engineering technologies. These technologies will be key to producing clean, affordable and secure renewable energy alternatives.

bp

Shell

CATERPILLAR

BIS Department for Business Innovation & Skills

EDF ENERGY

Department of Energy & Climate Change

e·on

EPSRC Engineering and Physical Sciences Research Council

Rolls-Royce

Technology Strategy Board Driving Innovation

Sign up to receive our regular newsletters, press releases and announcements by emailing info@eti.co.uk

Latest news and announcements from the ETI are also available as an RSS feed.

The ETI can also be followed on Twitter at http://twitter.com/the_ETI

Energy Technologies Institute
Holywell Building
Holywell Way
Loughborough
LE11 3UZ

Telephone 01509 202020
Visit www.eti.co.uk

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Affordable, clean, secure energy solutions for 2050

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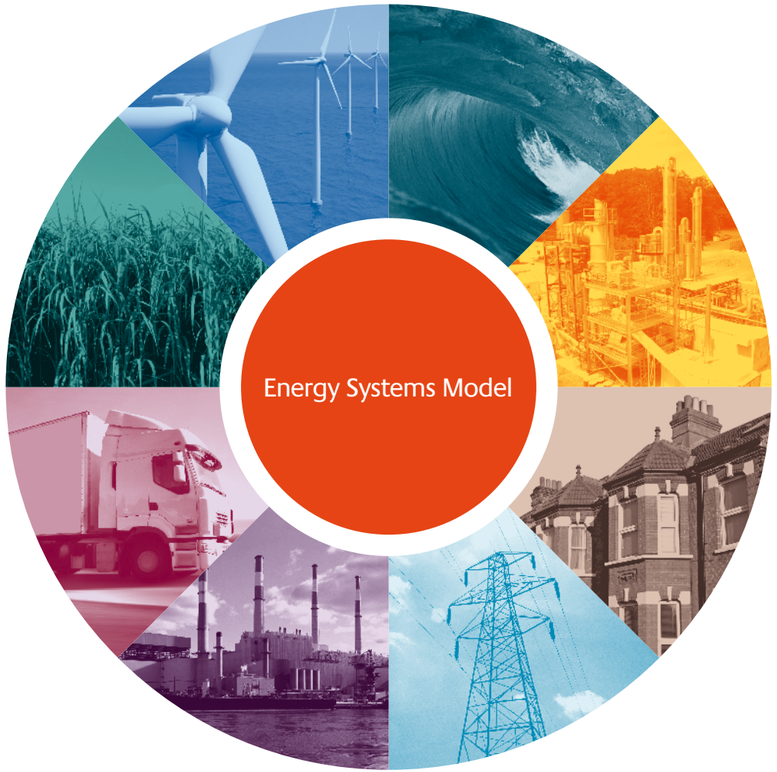

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Helping the UK meet its energy targets

Investment in specific project areas is determined by the Energy Systems Modeling Environment (ESME), a peer reviewed and respected energy system modeling software tool developed by the ETI.

The projects are based on key technology programme areas which will have a significant impact on the future energy mix. Selecting and investing in the right projects is integral to the ETI's success.

In the last three years, the ETI has invested in 31 projects totalling £66 million in eight programme areas, Offshore Wind, Marine, Distributed Energy, Buildings, Energy Storage and Distribution, Carbon Capture and Storage, Transport and Bio Energy.

Looking forward to 2011–2015 the ETI plans to invest a further £120 million in major projects in Offshore Wind, Marine, Carbon Capture and Storage, Transport and Smart Systems.

The ETI's focus is on delivering large-scale, low carbon energy technology demonstration projects

Energy Systems Modeling Environment (ESME)

ESME is a key tool for exploring the impact of individual technologies on the UK's future energy system between 2020 and 2050. It informs investment choices and identifies a mix of energy technologies needed, as well as the cost implications of those decisions. No other energy modelling tool gathers data from such a diverse range of global industries as the ETI's Energy System Model.

This tool is currently being used by HM Government to inform policy.

31

31 projects commissioned since 2008 totalling £66 million in eight programme areas.

£120m

£120 million will be invested in major projects between 2011 and 2015.

The ETI's eight programme areas

Offshore Wind

Marine

Distributed Energy

Buildings

Energy Storage and Distribution

Carbon Capture and Storage

Transport

Bio Energy