

## Who are we?

The ETI is a public-private partnership between global industry – BP, Caterpillar, EDF, E.ON, Rolls-Royce, Shell – and the UK Government.

Public sector representation is through the Department for Business Innovation and Skills (BIS), the Technology Strategy Board (TSB), the Engineering and Physical Sciences Research Council (EPSRC) and the Department of Energy and Climate Change (DECC).



CATERPILLAR

BIS Department for Business  
Innovation & Skills



e-on

EPSRC  
Engineering and Physical Sciences  
Research Council





Rolls-Royce

Technology Strategy Board  
Driving Innovation


## Want to know more?

Sign up to receive Requests for Proposals, newsletters, press releases and announcements by emailing [info@eti.co.uk](mailto: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](http://twitter.com/the_ETI)

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## Working with the ETI



## What do we do?

The ETI brings together projects and partnerships that accelerate the development of affordable, clean, secure technologies needed to help the UK meet its legally binding 2050 climate change targets. We make targeted investments in projects in offshore wind, marine, distributed energy, buildings, energy storage and distribution, carbon capture and storage, transport and bio energy.

The projects bridge the gap between laboratory scale research and development and commercial deployment of large-scale engineering projects.

## Why do we do it?

The UK Government has set a target of delivering 15% of all energy needs from renewable sources by 2020, a reduction in greenhouse gas emissions of 34% by 2020 and at least 80% by 2050.

As energy demand rises we need to address the serious challenges facing our energy supplies to:

- ensure clean, secure and affordable energy supplies are available to power everyday living and business
- reduce greenhouse gas emissions to tackle the causes of climate change

Reducing emissions whilst maintaining energy security within the UK will need a combination of:

- improved efficiency of supply, distribution and use
- substituting fossil fuels with other low carbon energy sources
- capturing, converting or storing CO<sub>2</sub> to allow the continued use of some fossil fuels for power and heat applications where needed.

The ETI's mission is to accelerate the development, demonstration and eventual commercial deployment of a focused portfolio of energy technologies, which will address the challenges above.

## How do we choose?

The ETI's Energy System Modelling Environment (ESME) helps us to identify key areas for strategic investment

Our in house modelling shows that the scale and urgency of the reduction required will not be met by the existing pace of improvements, therefore positive technology acceleration is required.

## How do we select our projects?

Creating ETI projects that will achieve a step change in energy technologies is not just about identifying the right technology programmes.

We also examine how they will help accelerate the UK reach its energy targets, the extent to which ETI investment will create added value and the potential market at home and abroad.

## Who do we work with?

We work with leading groups who can help us to create the affordable, sustainable and secure energy solutions the UK requires. We work with large multi-national companies, SMEs, universities, research organisations and consultants in the UK and abroad.

Integral to the success of our projects is the high calibre of expertise and knowledge of our project partners. Working with this mix the ETI creates project teams at the cutting edge of science, technology and engineering.

## What don't we do?

We are not a grant giving body, we make targeted investments in technologies.

We don't just pay for projects, we commission and fund them and work with our partners throughout.

We don't finance speculative technologies, we use the evidence of our experts to identify the specific technology projects we want to develop that will have the greatest impact on the energy mix of the future, within the timescales required.

We don't keep our new projects secret, we publicise the Requests for Proposals to ensure we have the best mix of organisations working with us.

# 34%

The UK Government has set a target of reducing greenhouse gas emissions by 34% by 2020.

# 80%

The UK Government has set a target of reducing greenhouse gas emissions by 80% by 2050.