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## Learnings from a Public-Private Partnership in the UK

Energy systems - an integrated effort

Jo Coleman, Strategy Director

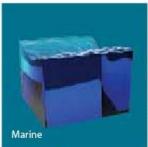


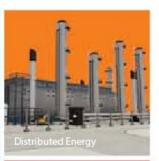
## What is the ETI?



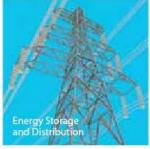
### ETI technology programme areas

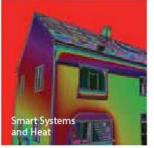


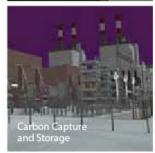
















#### ETI members















### ETI programme associate

HITACHI Inspire the Next



## Who does the ETI work with?

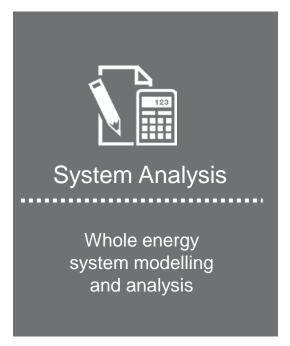




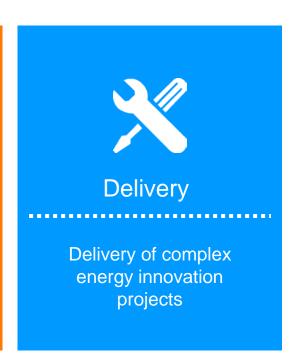


## What we offer











## Building a shared evidence base...



## ETI Firsts



Vehicle designs for 34% fuel efficiency improvement across UK HDV fleet

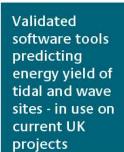


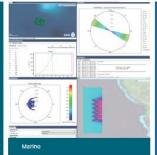


Largest UK investigation into soil carbon effects following land use transitions



Offshore Wind





15% cost reduction on offshore wind through floating platform design





# ETI Insights across the whole energy system

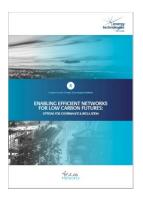


ETI findings and insights used in national consultations every 2 months, major advisory body reports every 6 weeks, HMG policy reports every 3 weeks, third party citations every day





















# Managing public private partnerships – learnings from the UK experience



# Connecting corporate strategy, policy priorities and technology investment decisions through a shared framework

- The value in the debate at multiple levels
- Understanding the big picture
- Valley of death investments
- Technology improvement vs roadmap to competitiveness
- Transparent and agreed criteria for the prioritisation of investments
- Knowledge vs IP in technology

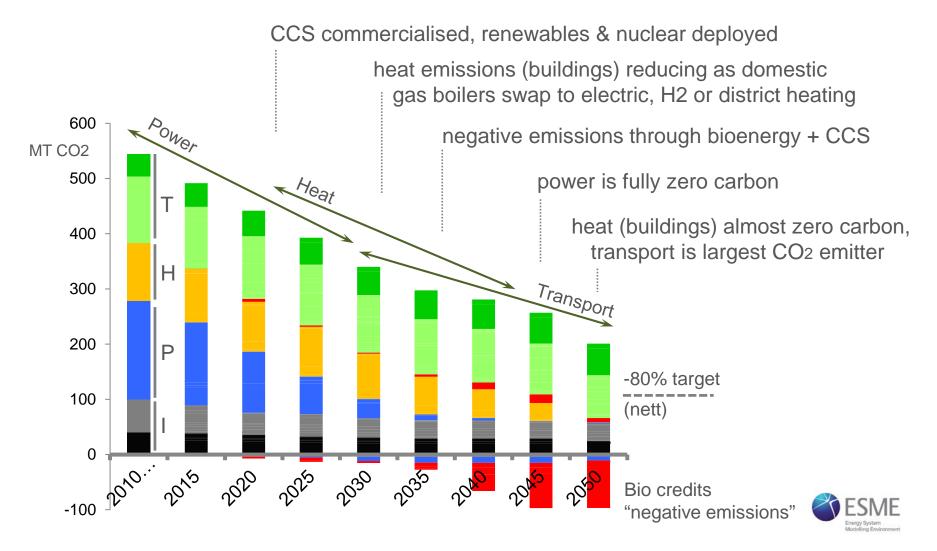
### **Tactical vs Strategic Decision making**



## One route to meeting - 80% CO2 for the UK



Power now, heat next, transport gradual – cost optimal





## Priorities to 2030





Decarbonising electricity

Nuclear

Offshore Wind

Gas (CCS)

Bioenergy

**Smart Systems** 



Proving CCS in UK context

Power

Heat

Industry

Hydrogen

Negative emissions



Testing 'next step' options eg

CCS (gas / biomass)

Bioenergy

Hydrogen

**Small Modular Reactors** 

Low carbon heat solutions

+ efficiency

+ storage







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