

# Commercialising Low Carbon Technologies

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# Energy Technology Centre

## Key features:

- Scottish Enterprise initiative
  - Focused on stimulating new economic activity in low carbon technologies:
    - Renewable energy
    - Built environment
    - Sustainable transport
  - Based in former TUV NEL test facility - asset base and accommodation
  - Aims to deliver complete package of services:
    - Technology development and testing
    - Commercialisation support: project due diligence, project development, supply chain engagement
    - Assistance in raising funds
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## Trends in Technology Service Provision

- National labs mostly privatised
- Independent service providers (eg relevant airto members etc) may have different entitlements to grant funding
- UK regions and universities have supported the development of energy development /demonstration establishments eg:

EMEC, Orkney

ETP, Scotland

ETC, East Kilbride

NaREC, Blyth

SEGEC, Aberdeen

CREST, Loughborough

HOL, Methil

REC, Hillsborough

PEC, Shetland

CAT, Powys

- Also large number of KTNs and information websites/centres
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## Demand for R&D and Design Services

Project status	Validation	Modelling	Design	Bespoke rig	Standard test
Concept + inventor	●	●			
Concept + business	●	●	●		
System under development		●	●	●	
Implementation or demonstration				●	●

Note: Greater demand for design and development than research

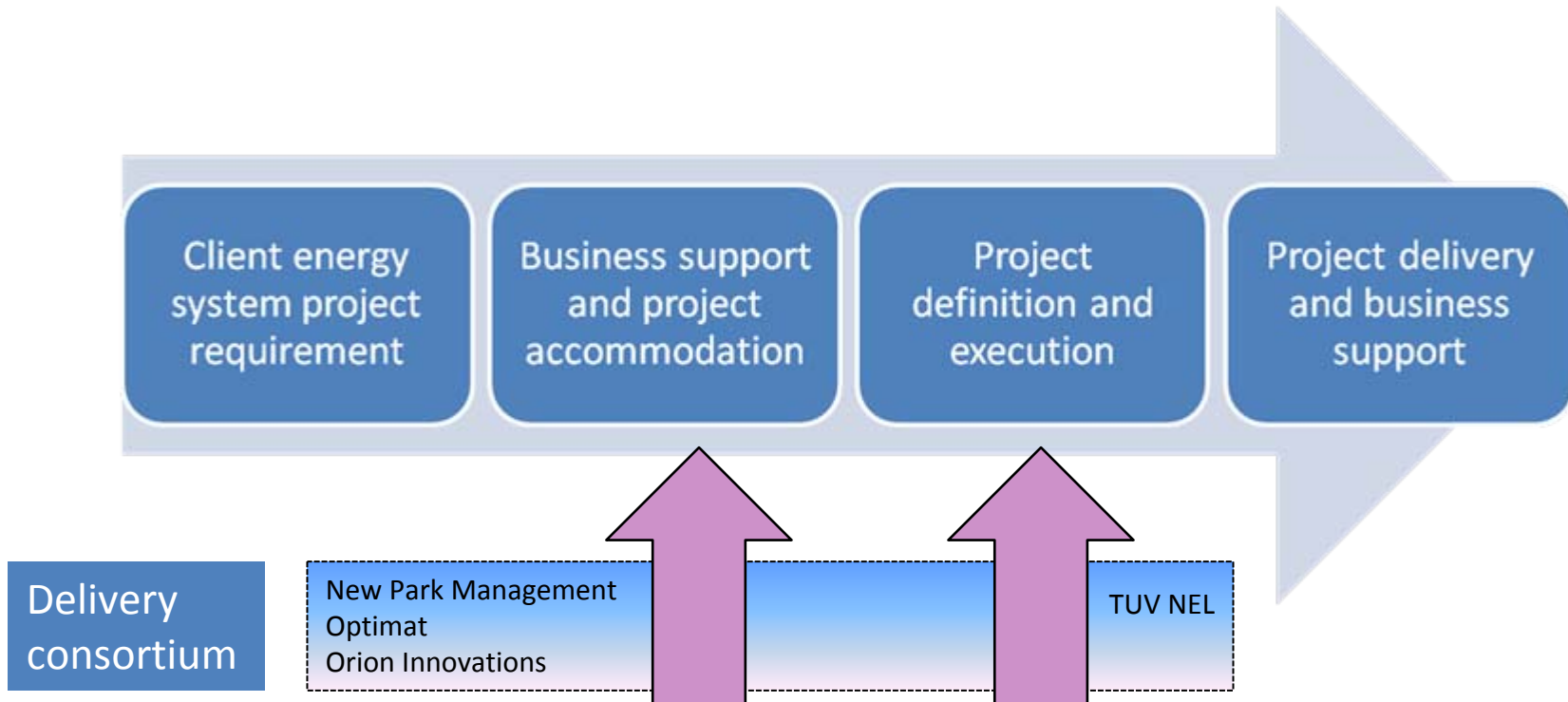
## Funding - Current Portfolio

Funding Source	University	Startup	SME	Corporate
TSB	•		•	•
ETI				
Carbon Trust	•		•	
Scottish Government				•
Scottish Enterprise	•	•	•	•
Grant for R&D		•		
DIUS Measurement for Innovators			•	•
EU - various			•	
100% Commercial		•	•	•

## R&D Services and Funding

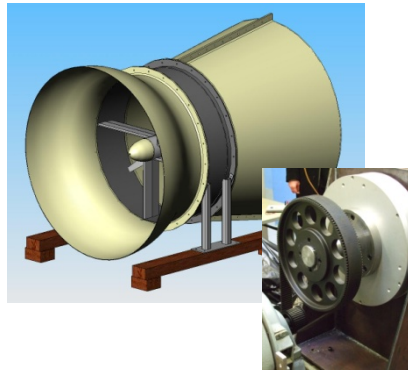
- Grant funding and calls for proposals stimulate R&D in all types of company
  - Request for services often accompanied by request for help to find funding
  - Greatest difficulty experienced in funding work between concept or prototype stage and demonstration of measured results
  - Development projects often follow university work
  - Accurate feedback very important in failed grant applications
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## Energy Technology Centre - Service Model



## Typical Sectors Supported

Small wind



Biomass



Marine



Transport

