

Support For Innovation From The Carbon Trust

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Making business sense of climate change



The Carbon Trust is making business sense of climate change

Set up by Government in 2001 as part of the UK Climate Change Programme to deliver public policy goals using private sector skills and drive.

Our mission: "To help build a low carbon economy in the UK"



- **Direct engagement**
- **Indirect engagement**
- **Financial incentives**

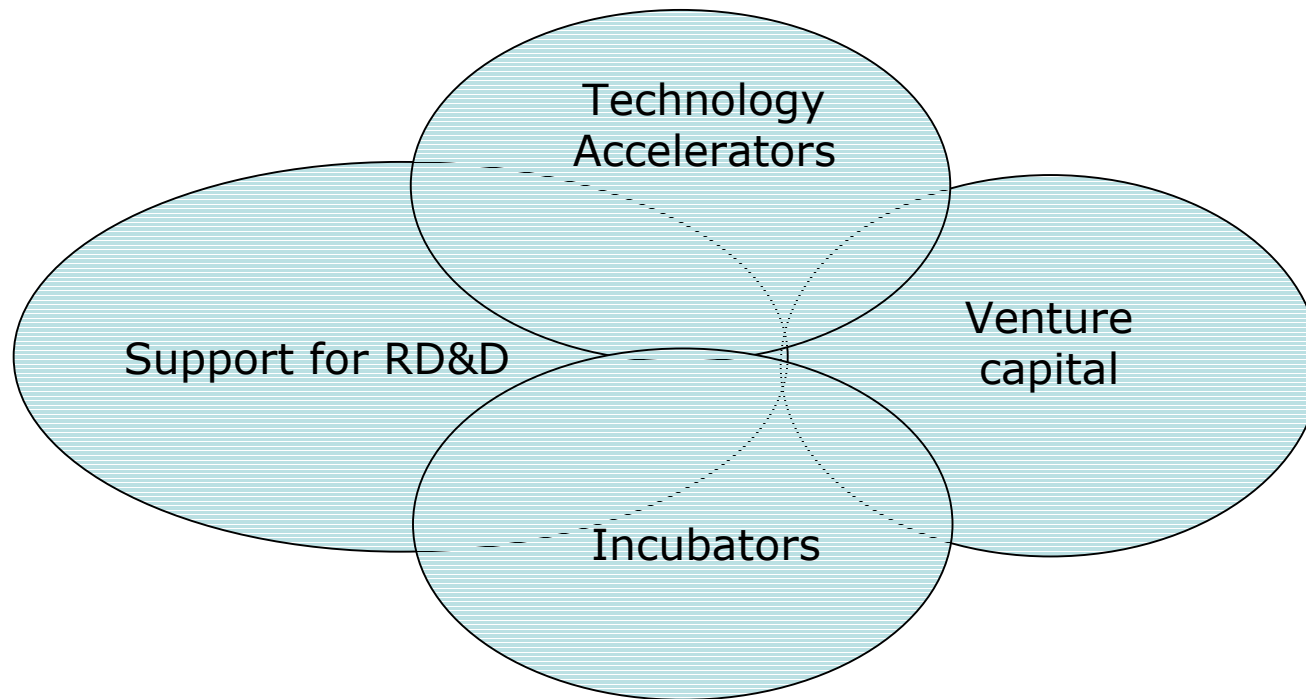
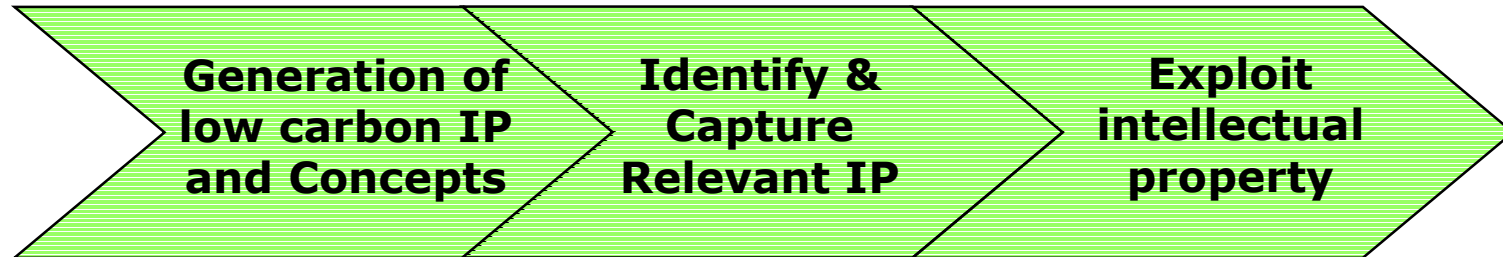


- **RD&D**
- **Technology acceleration**
- **Investment**



- **Technology Assessment**
- **Climate Change Policy**
- **Investor Perspectives**

Carbon Trust & Innovation



Investment

- Incubators
 - Four incubators across UK
 - Providing advisory services on company formation, business plan preparation, capacity building, etc.
 - Support for the creating of business exploiting low carbon technology
 - Can be university spin outs or start ups
- Venture Capital
 - Commercial co-investment in the exploitation of low carbon technologies
 - Open to companies operating in the field that can show both carbon return and commercial returns
 - Need to show a clear path to commercial viability and exit giving a return to the Carbon Trust

Technology Acceleration

- Projects, designed and led by the Carbon Trust, are informed by our understanding of the market. They address specific barriers or answer questions
 - Small CHP: is this a viable technology with a positive carbon balance?
 - Advanced Metering: can improved visibility of consumption data deliver energy savings?
 - Marine Energy Challenge: can the delivered energy cost of marine energy devices be competitive?
 - Low Carbon Buildings: Can commercial buildings be refurbished to a high standard and still be 'low carbon'?
 - Biomass: if key supply chain and market risks are addressed can medium scale biomass for heat projects be commercially viable?

Support for RD&D

- Carbon Vision
 - A joint initiative with the Research Councils aiming to
 - Build R&D capability relevant to those low carbon technologies which offer commercial opportunities for the UK
 - Encourage innovation and promote cooperation between the research community and industries engaged in commercialising low carbon technologies.
- Applied Research
 - Small project Applied Research grants
 - Regular periodic calls (Next call opens 19 June)
 - Looking for new approaches that will contribute to the development of a low carbon economy
 - Grant funding up to £250k for applied research leading to low carbon products or services
 - Co-funding between 25% and 60% of eligible costs
 - Open to companies, universities and the public sector
 - Wide range of technologies include energy efficiency, renewables, industrial processes, buildings, etc.
 - 1150+ applications, 108 contracts, £13.5M committed

Applied Research Selection Criteria

All proposals are screened, at all stages, against the following selection criteria:

1. Carbon abatement
2. Innovation
3. Commercialisation (Exploitation & Dissemination)
4. Planning
5. Funding
6. Leverage & Engagement
7. Project team
8. Benefit to UK
9. Technical verification
10. Risk

The Underlying Questions

- Is it a good idea?
 - It must advance the current 'state of play'
 - Will it make a difference?
- Can the team deliver it?
 - Appropriate mix of expertise and stakeholders
 - A workable project plan (realistically priced)
 - Defined and reasonable end point
- Should the Carbon Trust fund it?
 - Credible mechanism that indicated potential for substantial carbon savings
 - Clear pathway to market / demand for the project outputs
 - Does it meet the eligibility criteria
 - Does it represent value for money
 - Why CT as opposed to someone else?

Summary

The Carbon Trust is looking to invest in activities that ensure that promising low carbon technologies start on, and then progress along, the path to commercialisation and large scale deployment

www.carbontrust.co.uk



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The Project Lifecycle

