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# **UK Glass Manufacturing Sector Decarbonisation Roadmap**

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# Background

British Glass decarbonisation and energy efficiency roadmap – precursor 24 months

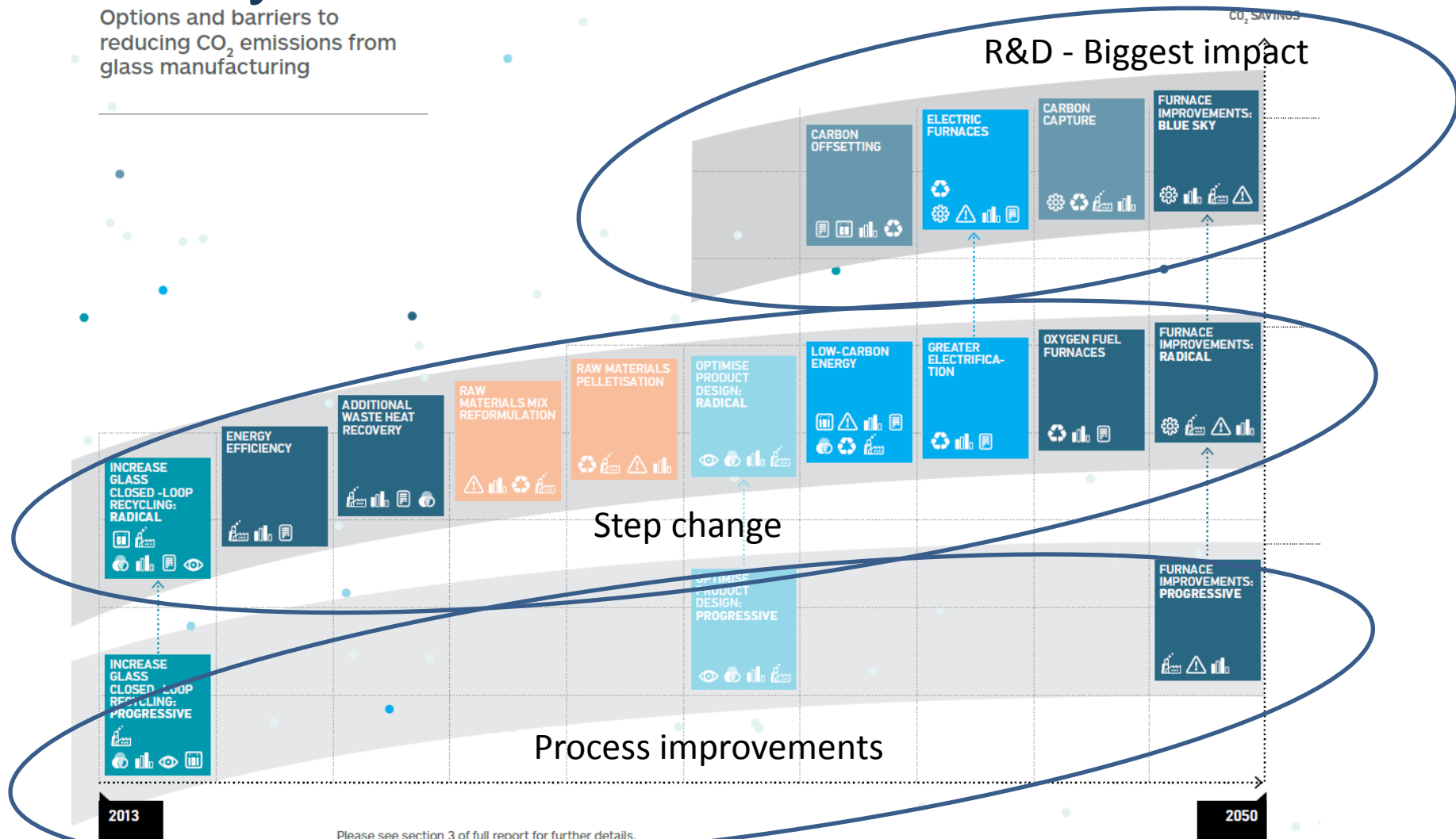
- A review of current and future technology
  - Increase competitiveness
  - Increase energy efficiency
  - Decrease carbon emissions
- Need to achieve more than 15%



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# Pathways

Options and barriers to reducing CO<sub>2</sub> emissions from glass manufacturing





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# Decarbonisation Action Plan

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Action Plan – 18 months – April 2017

- UK Department of Business Energy and Industrial Strategy (Beis)
- British Glass
- Commitment all 10 UK glass manufacturers
- 8 UK glass manufacturers also operate in mainland Europe
- To reduce emissions by more than 15%, we need to make emissions reduction activities commercially viable





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# High level actions

- Emissions reduction activities must be win-win
  - Achieve business and environmental priorities
  - Areas with the most impact
    - R&D – novel technology
    - Use more recycled glass
    - Energy efficiency improvements
    - Waste heat recovery



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# High level actions

- Excellent leadership and communication from industry and government is needed to drive change
  - Develop solutions in collaboration
  - Across non-glass sectors
- Non technical issues also need to be addressed
  - Partnerships between government, industry, supply chain, researchers etc
  - Skills
  - Supportive policy that helps overcome barriers
  - Market drivers e.g. sustainable products
  - Funding and financial viability



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# Current Projects

British Glass is a partner in:

- Fissac
  - Horizon 2020 project
  - Recycling of waste from the construction and demolition sector
  - Flat glass into containers and fibre
- Enviroglass
  - Innovate UK
  - Lower carbon raw materials
  - Use of alternative waste materials such as food and incineration waste





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**Any Questions**