

Is tidal energy innovating?

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21 October 2014

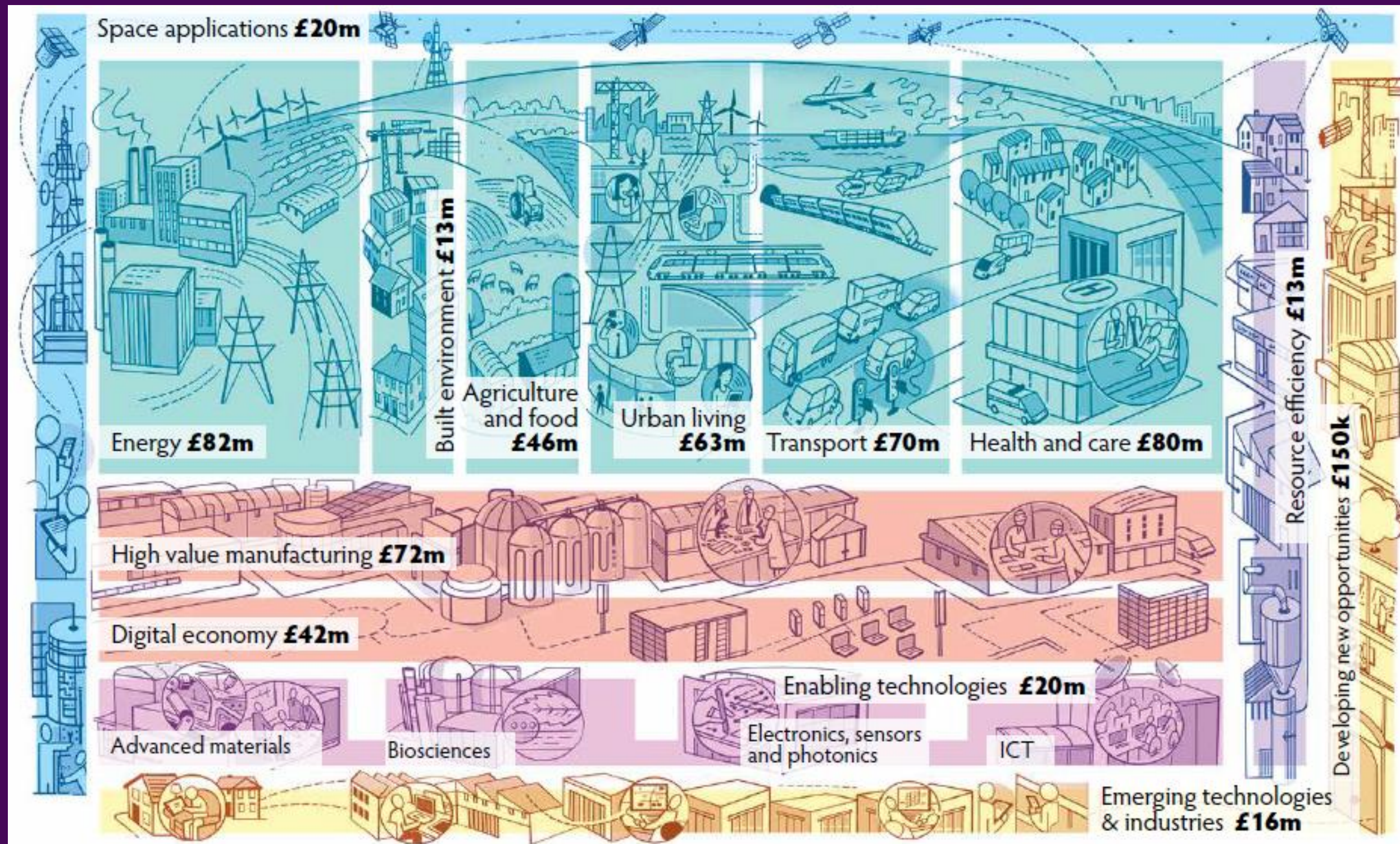


We're all about **innovation**

Our goal is to accelerate economic growth by stimulating and supporting business-led innovation



Innovate UK 2014/15 investment



Energy strategy

Ageing infrastructure

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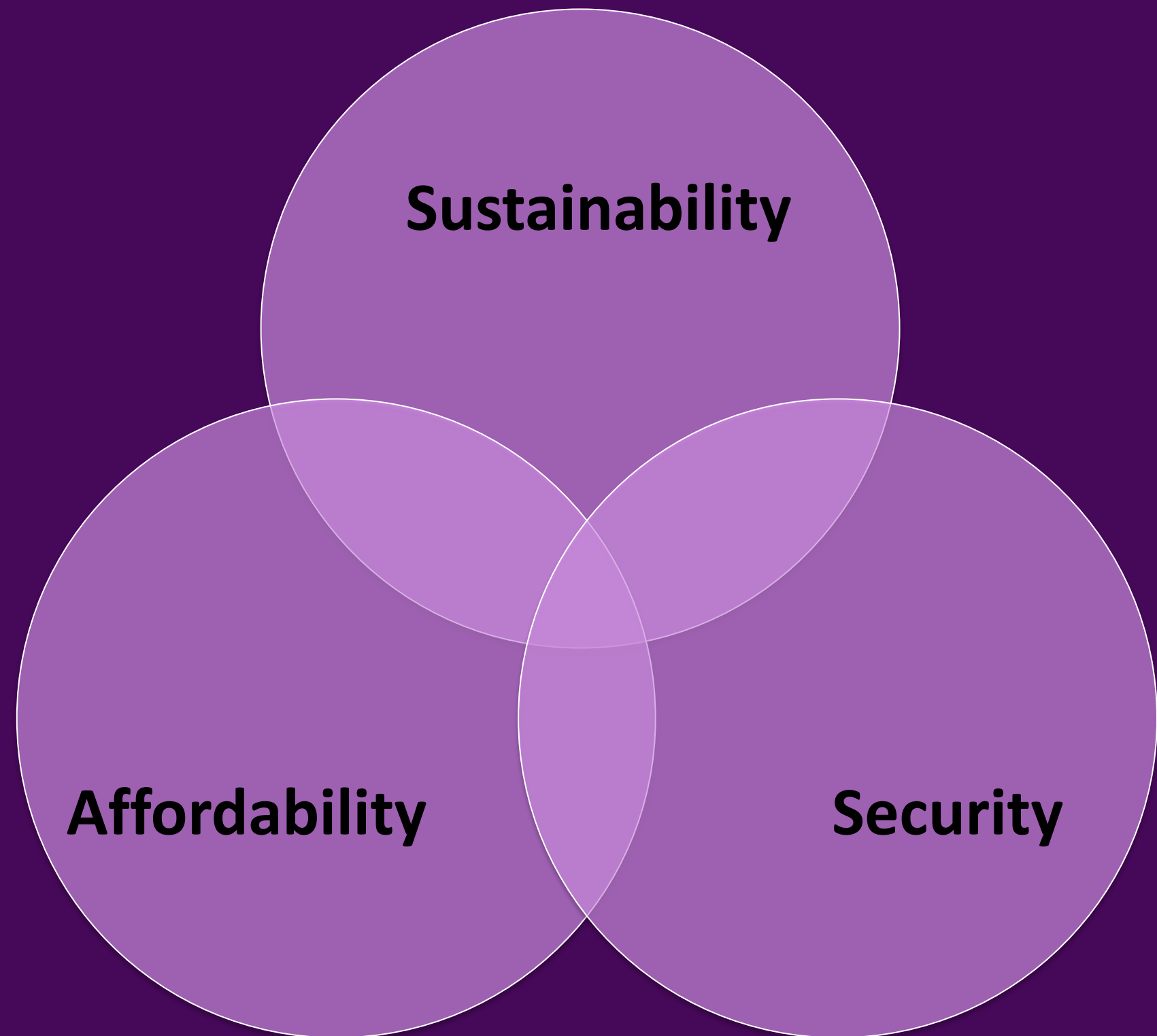
Power generation changes

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Demand shift

=

System change

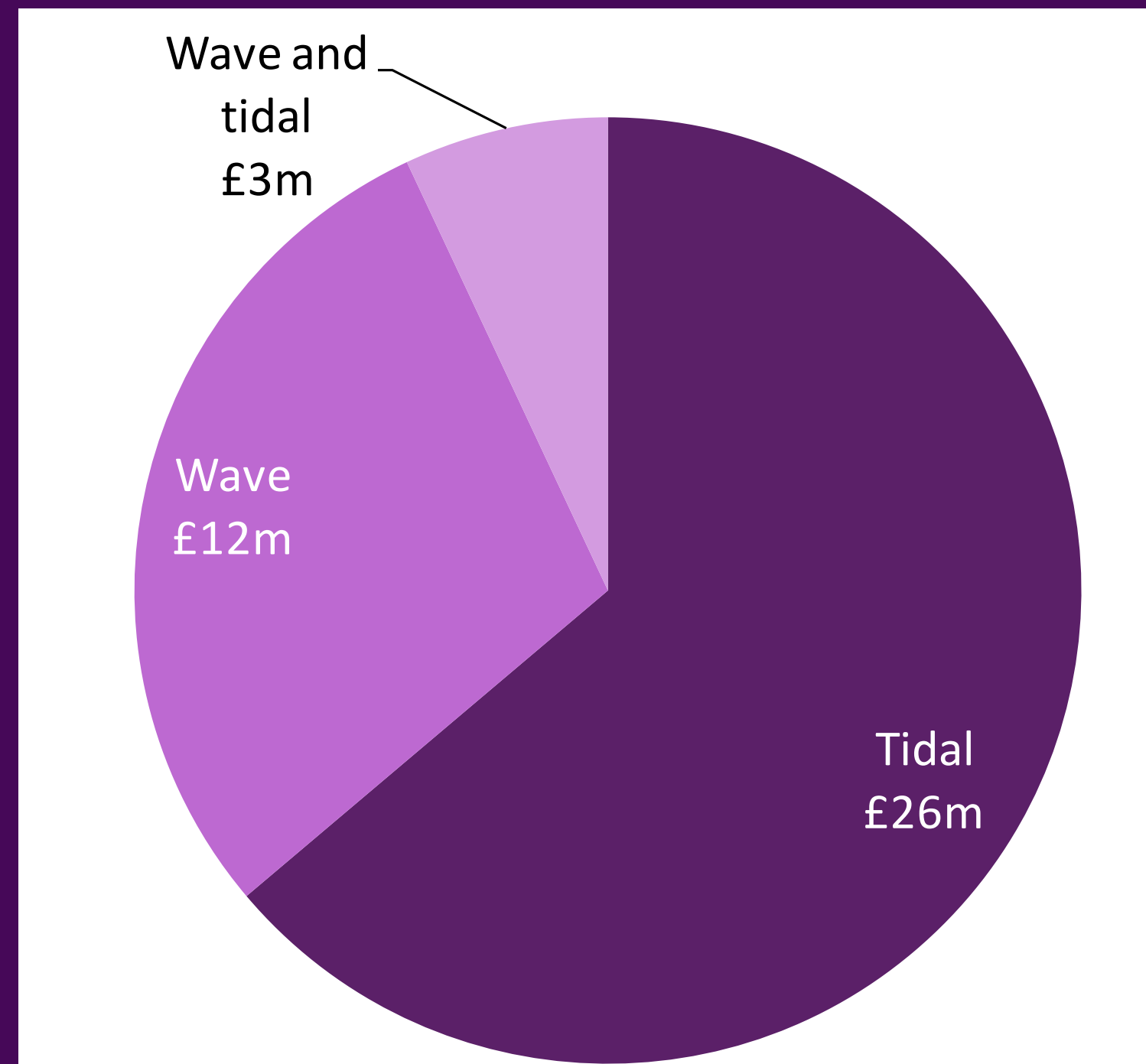


Marine energy – historical investment

£6m pa average invested in marine energy

100% leverage

About 75 projects and 190 participants



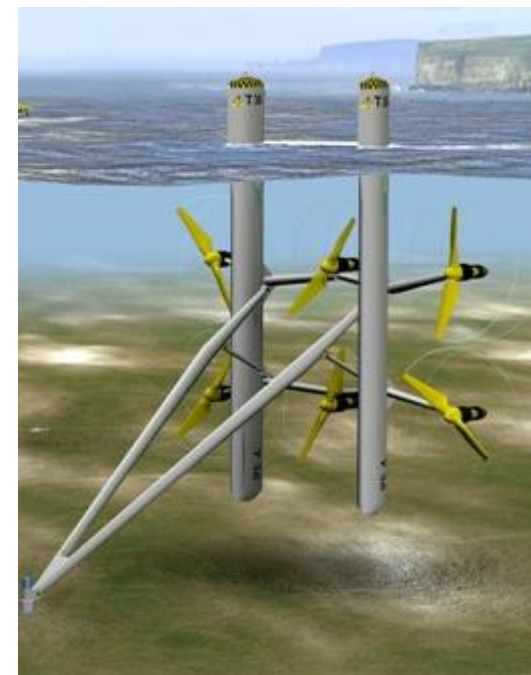
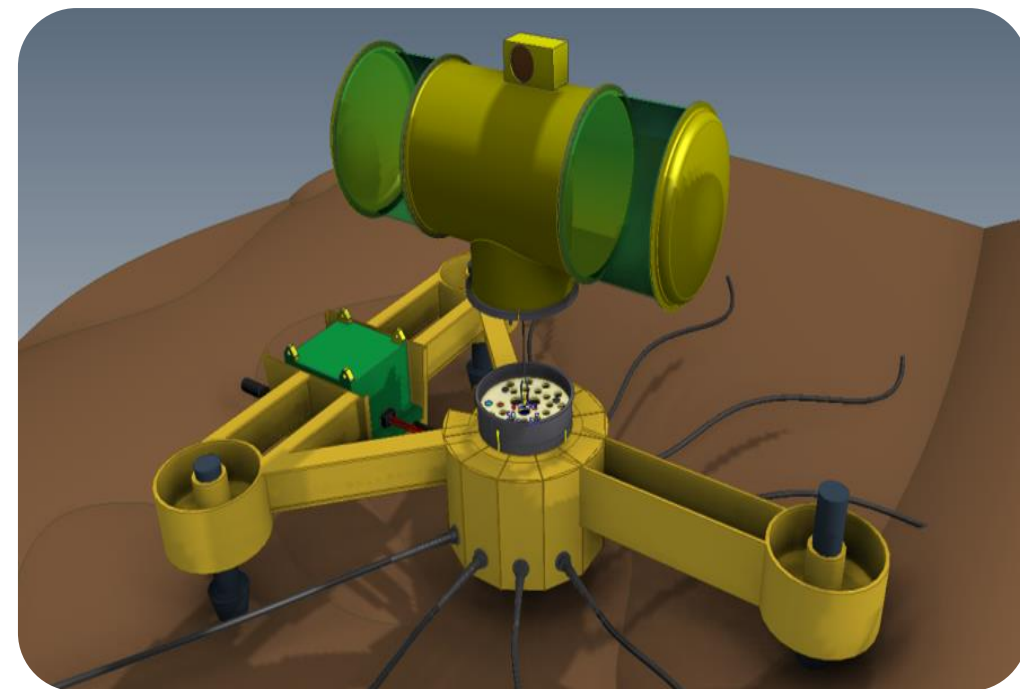
Tidal energy live projects

£8m grant, 16 projects

MESAT programme

- DP vessels
- Multi turbine platform
- Sub sea electrical hub
- Synthetic moorings
- Ultrasonic removal of biofouling

Solving business problems with
environmental data



Key dates

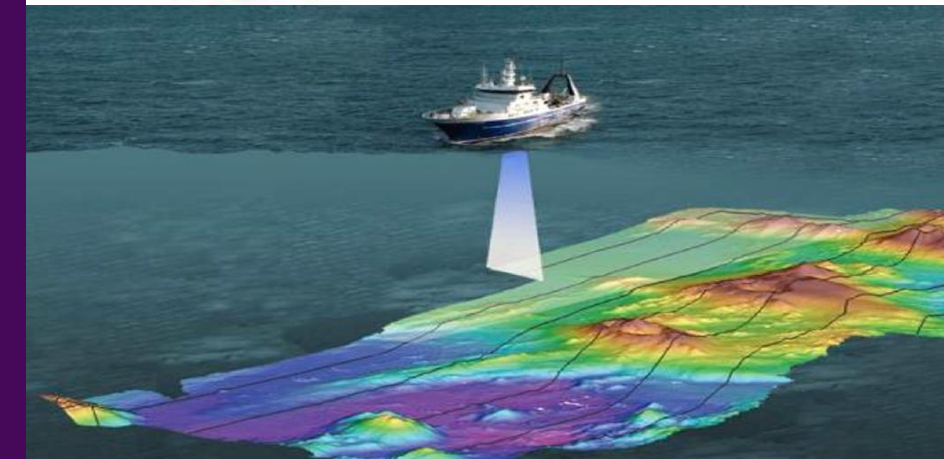
| Date | Activity |
|--|--|
| 5 November 2014 | Brokering event at ICOE, Halifax |
| 28 November 2014 (12:00 AST/16:00 GMT) | Deadline for submission of EOIs |
| Mid January 2015 | Successful applicants invited to submit full stage application |
| Mid February 2015 | Deadline for submission of full stage proposals |

Call objectives – UK perspective

Improve datasets

Reduce uncertainty, risk and cost

Collaboration



Why Canada – UK perspective

Shared research objectives
and understanding of the
industry barriers

Opportunity to open new
markets to UK organisations

Reduce duplication of effort
and focus industry on tackling
challenges as a whole



Scope

- Environmental monitoring, sensing and instrumentation technologies
- Improved data
 - Quality
 - Quantity
 - Accuracy
 - Software modelling and analytical tools
 - Collection methodologies



Scope

- Sensor technology areas
 - Environmental
 - Resource
 - Device monitoring
- Deploy technology in the water
- Sensor development
 - Remote data management
 - Enhanced reliability
 - Ruggedisation for high flow/turbulence environments
 - Simplification in sensor deployment/retrieval techniques



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**KEEP
CALM**

AND

ASK ME

QUESTIONS