



Innovate
UK

Supergen ORE Hub Annual Assembly

Strategy and opportunities in research funding and innovation for Offshore Renewable Energy (ORE) and the role of ORE research in achieving net zero

Agenda

1 ORE Catapult

2 Innovation Exchange

3 International

4 Robotics and Autonomous
Systems

5 Future Direction



Presenter introduction

- Joined Innovate UK in 2013
- Innovation Lead for Offshore Renewables
- Moved to Head of Energy in 2019
- 15 years' experience in the energy sector
- Worked in engineering consultancy, utility project developer, innovation



UK Research and Innovation

We work with the government to invest over £7 billion a year in research and innovation by partnering with academia and industry to make the impossible, possible. Through the UK's nine leading academic and industrial funding councils, we create **knowledge with impact**.



**UK Research
and Innovation**



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Innovate UK ORE Investments

ORE Catapult

Research
Innovation
Testing
Supply chain growth

Link research and industry

Catalyses many activities with the business
and research communities

Catapult network

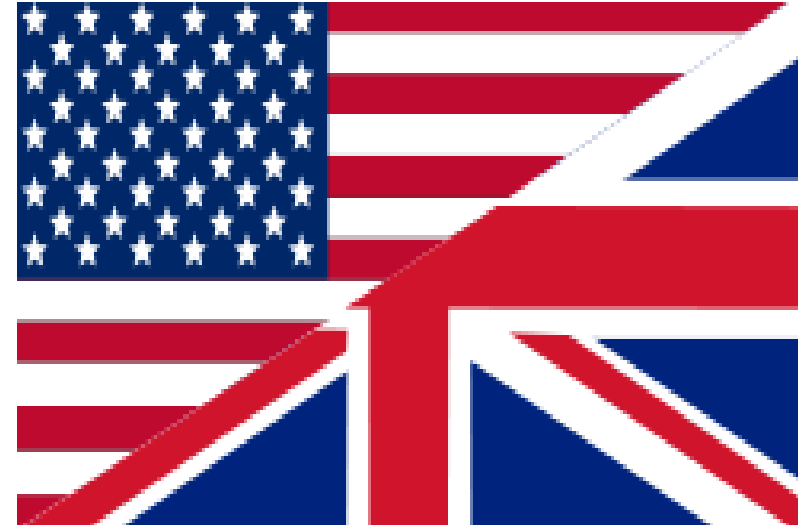


International

UK / US bilateral competition for collaborative offshore wind projects

Funded projects looking at floating wind and control system technologies

Further bilateral activities with US and China are being worked on but unclear on launch due to travel restrictions



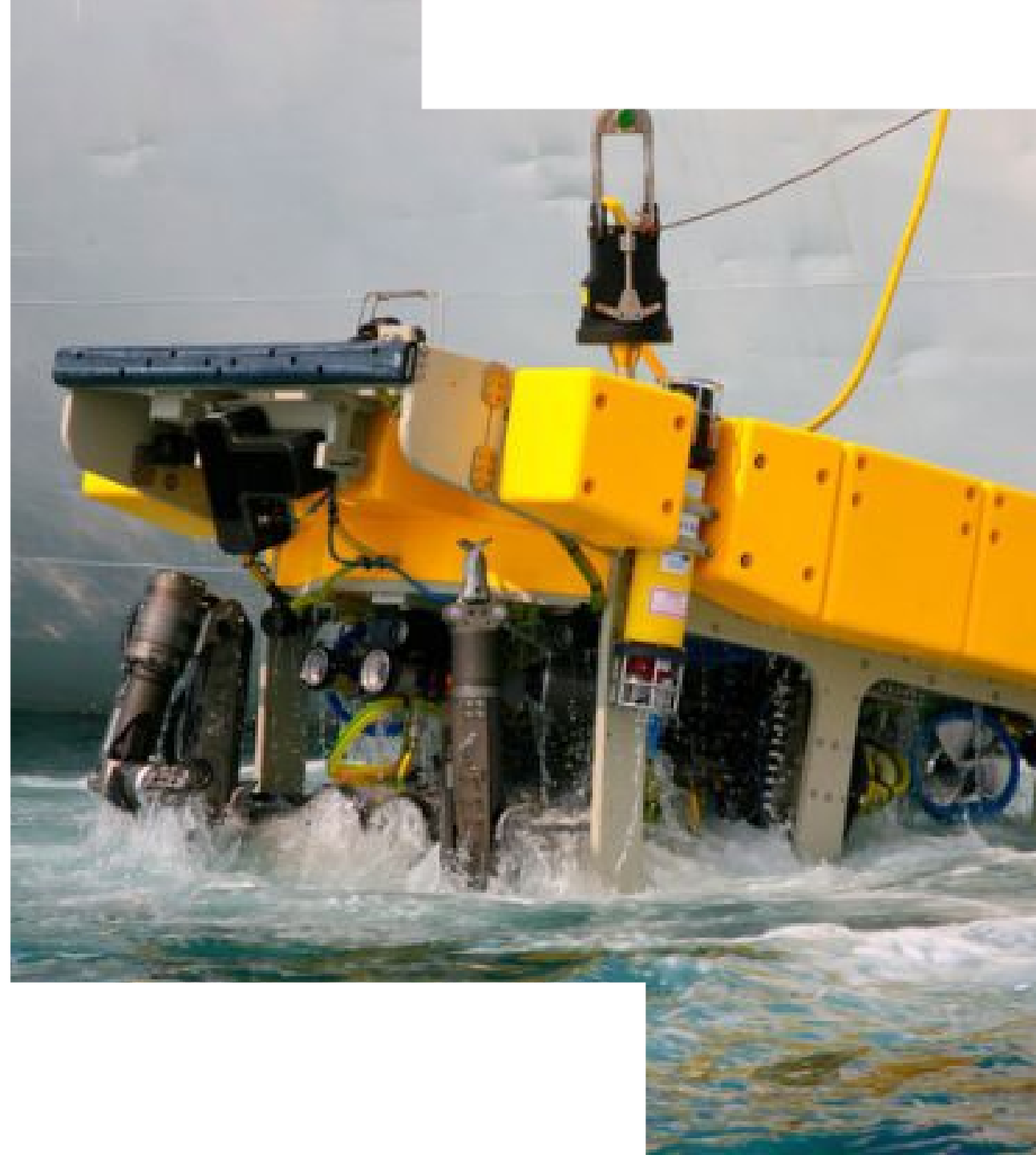
RAS

~1/3 of projects from ISCF Robotics and Artificial Intelligence Challenge – Safer World call, More Resilient Future call

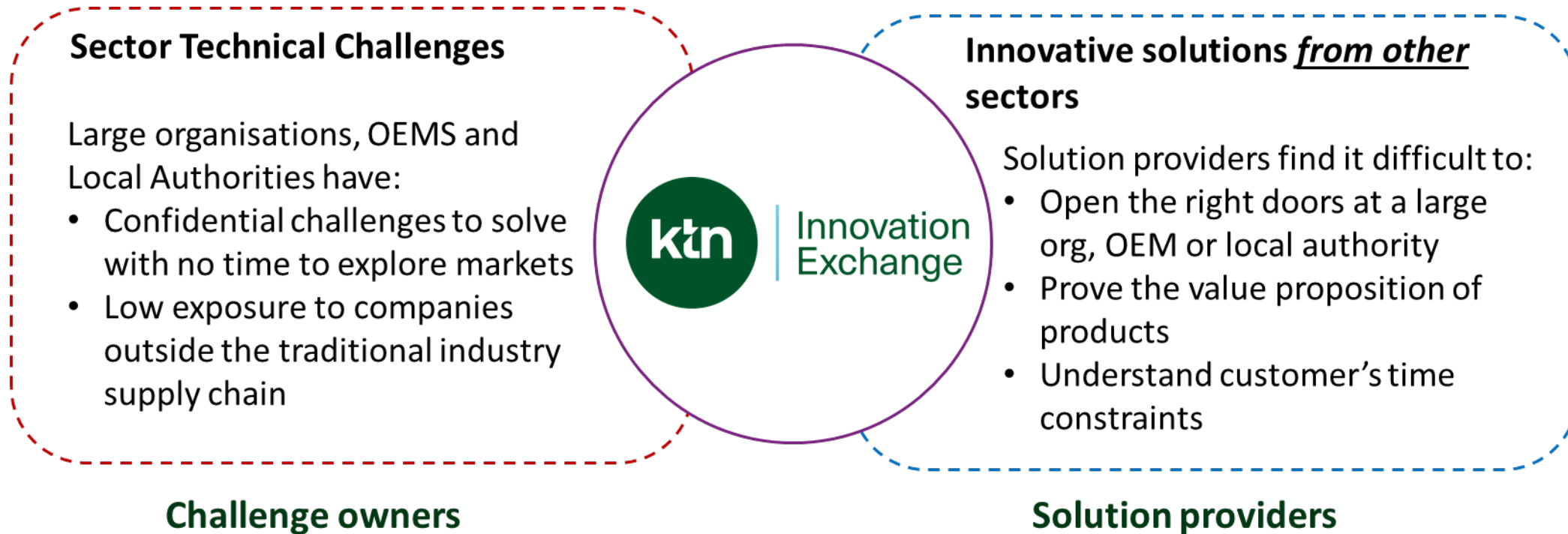
A lot of interest in offshore wind remote/autonomous inspection and repair solutions

Demonstrates that there is still an opportunity for cost reduction and innovation despite strike prices

ORCA Hub - EPSRC



Innovation Exchange



Future

Net zero. Net zero. Net zero

Broader thematic thinking

Energy + Urban Living = Clean Growth +
Agritech + Manufacturing + Transport = Net
zero

Look for cross-sector or multi-sector
opportunities





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Thank you



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