

£2m Energy Game Changer competition

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Innovate UK

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The problem

Energy Sector

- highly regulated & conservative
- averse to change
- nervous of adopting innovation (cost of getting it wrong)
- results in a ‘race to be second’ and slow adoption of innovation

**Doesn't inspire innovative SMEs to engage
(slick, nimble, make money quickly)**



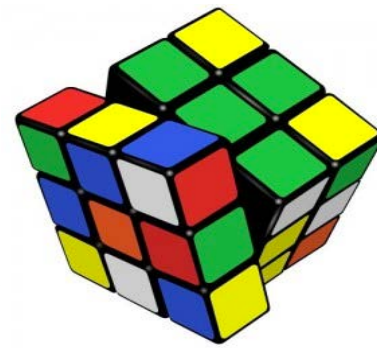
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We need to look for different solutions to drive innovation

- Articulate the challenges in a better way
- Engage innovators from outside the energy sector
- Remove constrained thinking around legislation and regulation
- Drive innovation to change regulation
- Seek and encourage technology transfer
- Disrupt the supply chain & grow new innovative SMEs into the sector



How are we doing it differently?



Oil & Gas

Nuclear



Energy Systems

- Three sectors - 3 top challenges
- Articulate them in a generic way that ‘non-energy’ people understand
 - Taking inspection to the limit
 - Dealing with data
 - Engaging in energy
- Only SMEs from outside energy sector can lead (anyone can partner)

The challenges (relevant to Oil & Gas)

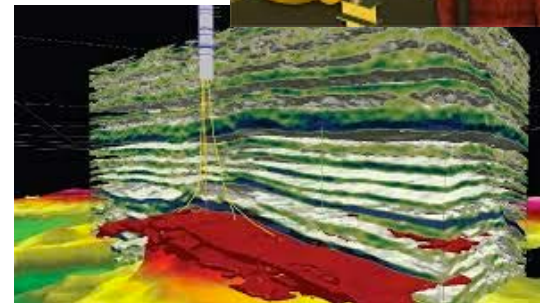
1. Taking inspection to the limit

- a) Process vessels
- b) Decommissioning
- c) Corrosion under insulation



2. Dealing with Data

- a) Integrating and analysing diverse sets of data to provide decision-making tools
- a) Real time, high speed data from beneath the sea-bed during drilling



The competition

- Up to £2.0m available
- Led by a 'non-energy' SME working alone or in collaboration with any organisation (including energy)
- Feasibility studies-disruptive ideas
- Up to £100k total project size
- 6-12 month duration
- Micro/small up to 70%, medium 60%, large 50% grant

Oil & Gas



Nuclear



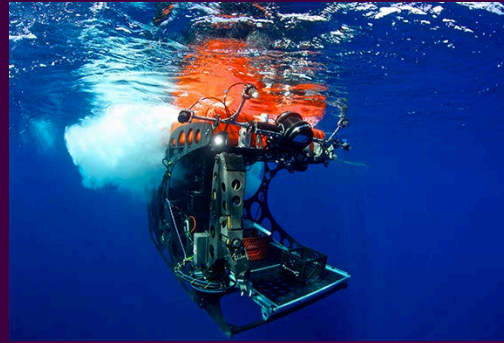
Energy Systems



Who can help??



Innovative inspection



Autonomous vehicles



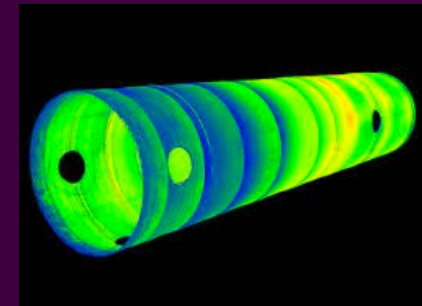
Virtual reality



Condition monitoring



Big data



Advanced imaging



Advanced de-manufacturing



Sensors & communications



Radical new ideas

Further information:

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