Nuclear Sector Deal

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Nuclear Sector Deal

- **Published 28 June 2018**
  Trawsfynydd in North Wales
- NSD demonstrates strong historical partnership between government & nuclear industry
- Sets out actions to ensure nuclear plays role in achieving **Clean Growth Grand Challenge** set out in Industrial Strategy & helps UK meet carbon reduction targets

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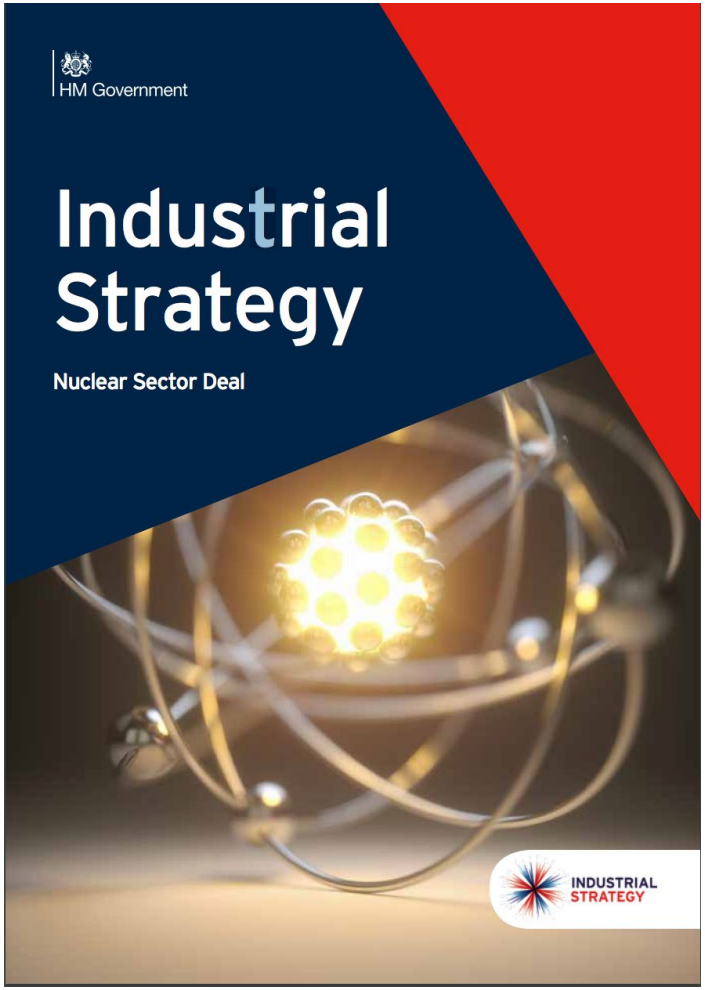
Key Commitments

- The deal is about Government and industry working in partnership to drive competitiveness across the nuclear sector
- Sector committed to deliver by 2030:
  - **30% cost reduction** in cost of new build projects
  - **Savings of 20%** in cost of decommissioning compared with current estimates
  - **40%** women in nuclear
  - **Up to £2bn** domestic & international contract wins
- Structured around 5 foundations of the Industrial Strategy



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Industrial Strategy

- Published 27 November 2017
- Sets out **Five Foundations** of productivity:
  - Ideas
  - People
  - Infrastructure
  - Business Environment
  - Places

putting the UK at the forefront of the artificial intelligence and data revolution;

maximising the advantages for UK industry from the global shift to clean growth;

being a world leader in shaping the future of mobility; and

harnessing the power of innovation to help meet the needs of an ageing society.

And Four Grand Challenges:

- Growing AI & data economy
- **Clean Growth**
- Future of mobility
- Ageing society

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Government Commitments

Government is committed to the Nuclear Sector:

- **£20m** support for advanced manufacturing + **£12m** from industry
- **£10m** support to develop supply chain competitiveness
- **£44m** Feasibility & Development funding for Advanced Modular Reactor Competition
- **£86m** funding for National Fusion Technology Platform
- **£40m** funding for thermal hydraulics facility in North Wales

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Regional Expertise

- Nuclear estimated to bring £4bn GVA in the North West
- Nuclear Industry built around clusters of excellence
- Developments in Birkenhead part of emerging North West Nuclear Arc Consortium linking Anglesey and North West of England and of course Sellafield

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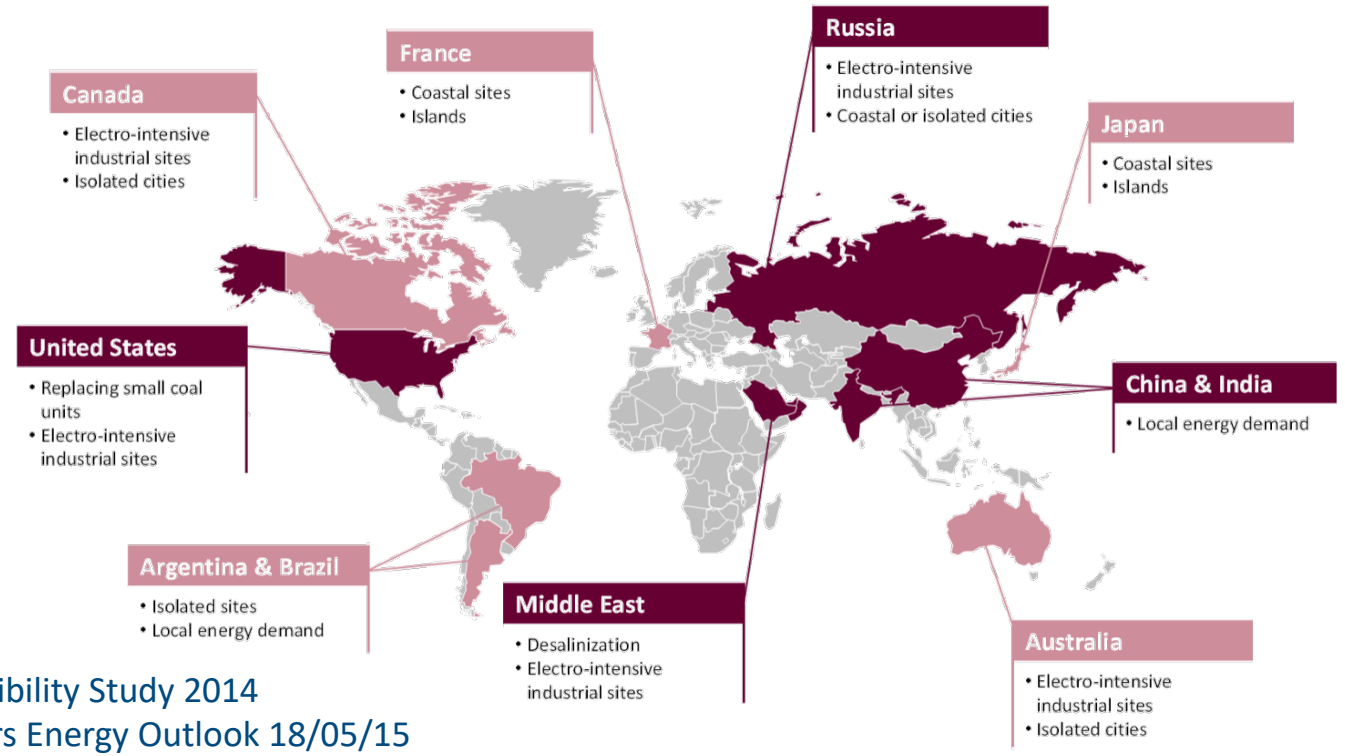
SMR Opportunities

- Global market opportunities are valued between **£250bn to 400bn** by 2035[1]
- The Nuclear Sector Deal aims to improve market competition and increase UK exports
- BEIS recognise potential UK export market for SMRs



1: NNL - SMR Feasibility Study 2014
Image: SIA Partners Energy Outlook 18/05/15

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Policy for SMRs

Nuclear Sector Deal signals fresh pace and ambition for SMRs

A new framework that supports near term deployment and next generation R&D comprising:

- Regulatory Readiness
  - GDA, Capability Building, Vendor Engagement
- Finance
  - Expert Finance Working Group report
- Siting
  - Considering HMG role for site enabling
- International Collaboration
  - UK participation in NICE Future
- Supply Chain Development
  - £32m Advanced Manufacturing & Construction Prog.
- Advanced Modular Reactors
  - Up to £44m Feasibility & Development programme

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Next Steps

BEIS are hosting **Commercialisation of Small Nuclear in the UK**

HM Government

INDUSTRIAL STRATEGY

SAVE THE DATE

Commercialisation of Small Nuclear in the UK

Monday 5th and Tuesday 6th November 2018

Manufacturing Technology Centre (MTC), Coventry

Save the date for the first ever national conference dedicated to bringing together key voices from across sectors (vendors, regulators, financiers, sites and potential users) to complete the jigsaw of commercialising small nuclear in the UK.

The event will begin with an evening networking reception and dinner on Monday 5th November, followed by a full day conference on Tuesday 6th November, which will feature live demonstrations, key notes addresses and delegates from all over the world.

Further information about how to register and opportunities to exhibit and sponsor the event will be available shortly.

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Questions?