

Corporate report: NDA Direct Research Portfolio (DRP) Projects: Quarterly Update

Updated: Updated with latest version.

The Direct Research Portfolio (DRP) addresses issues that could affect multiple sites, or Site Licence Companies, in areas of strategy, technology innovation and skills.

This document shows the DRP projects that are ongoing or were commissioned during Financial Year 2018 to 2019. Each project is aligned to an R&D topic in the [NDA's 5 year R&D plan](#).

The document shows the contractor, purchase order value, R&D driver and current status.

Where projects are complete, the final reports are available upon request.

This information is updated quarterly as new projects are awarded.

These projects are delivered through competed framework contracts awarded to a wide range of supply chain organisations, based on the following themes:

Lot A – University interactions

Scope: to ensure the right level of academic technical capability is available.

Lead contractor

National Nuclear Laboratory Frazer-Nash Consulting

Consortium members

Lot B – Integrated waste management and site decommissioning and remediation

Scope:

Integrated Waste Management

Higher Activity Wastes (HAW)

- development and analysis of options for HAW management
- development of innovative technologies
- sponsoring R&D that enables the NDA to respond strategically to government policy and oversee Site Licence Companies' HAW work

Lower Level Wastes, non-radioactive and hazardous waste

- sponsoring R&D that enables the NDA to respond strategically to government policy and oversee SLCs' work on these wastes Site Decommissioning and Remediation
- technical underpinning for the NDA's strategy on decommissioning, land quality and site end states

Lead contractor

Consortium members

Wood Group (previously
Amec Foster Wheeler Ltd)

Arcadis Consulting (UK)
Ltd

Arup

Masons, CL:AIRE, r3
Environmental Technology,
Dalton Nuclear Institute

Eden NE Ltd

Project Time and Cost
International Limited

Galson Sciences Ltd

Lancaster University,
University of Leeds,
University of Manchester,
University of Sheffield

NSG Environmental Ltd

University of Surrey

Andra, Brenk Systemplanung and Jülich Research Centre, Cogentus Consulting, DAS Ltd, Imperial College London, Longenecker & Associates, MMI Engineering, NuVision, OC Robotics, Fortum, University of Birmingham, University of Bristol, University of Cambridge, University of Manchester

AdvanSci, Applied Photonics (APL), Areva RMC, Aurora, ESI, MDecon, Pöyry, ProNu-Dec, Tradebe Inutec, TWI, University of Liverpool, Dalton Nuclear Institute, University of Surrey

Costain, Pöyry, Studsvik, James Fisher Nuclear Ltd, SN3, AdvanSci, MCM, Bilfinger GVA, Pinsent

Cavendish Nuclear, DBE TECHNOLOGY GmbH, Golder Associates Limited, Tradebe Inutec,

National Nuclear Laboratory, Frazer-Nash Consulting, AdvanSci, Amphos 21, Cogentus Consulting, Integrated Decision Management, Jacobs, Kurion, Rodgers Leask, VTT, University of Bristol,

AECOM, ARC, Oxford Technologies, NPL, ESG, Quintessa, React Engineering, KDC, Tradebe Inutec, Synergy Health, Nuclear AMRC, Loughborough University, University of Manchester,

Lot C – Spent fuel and nuclear materials

Scope:

Sponsoring R&D that enables the NDA to set and monitor Site Licence Company delivery of our strategy on Magnox spent fuel, oxide spent fuel, exotic fuels and uranics

- ensuring skills in spent fuel management and plutonium handling are maintained over the longer term

- to support NDA development of options for managing the UK's uranium inventory and stockpile of separated plutonium
- sponsoring R&D that enables the NDA to respond to government policy and oversee SLC activities on management of uranium and plutonium

Lead contractor

Consortium members

Wood Group
(previously Amec
Foster Wheeler
Ltd)

Areva NC

National Nuclear
Laboratory

Andra, Brenk Systemplanung and Jülich Research Centre, DAS Ltd, Fortum, MMI Engineering, NPL, NRG, OC Robotics, Studsvik, University of Birmingham, University of Manchester, University of Bristol, University of Cambridge, Loughborough University, Imperial College
NSG Consultancy, MDecon, Quintessa, University of Liverpool, University of Sheffield
Frazer-Nash Consulting, Galson Sciences Ltd, ALD France, Aquila Nuclear Engineering, DBD, DAS, IDM, Jacobs, Kurion, Rodgers-Leask, University of Bristol, Lancaster University, University of Leeds, University of Manchester, University of Sheffield, Imperial College

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