

National College for Nuclear (NCfN)

The critical first choice training partner for the nuclear industry



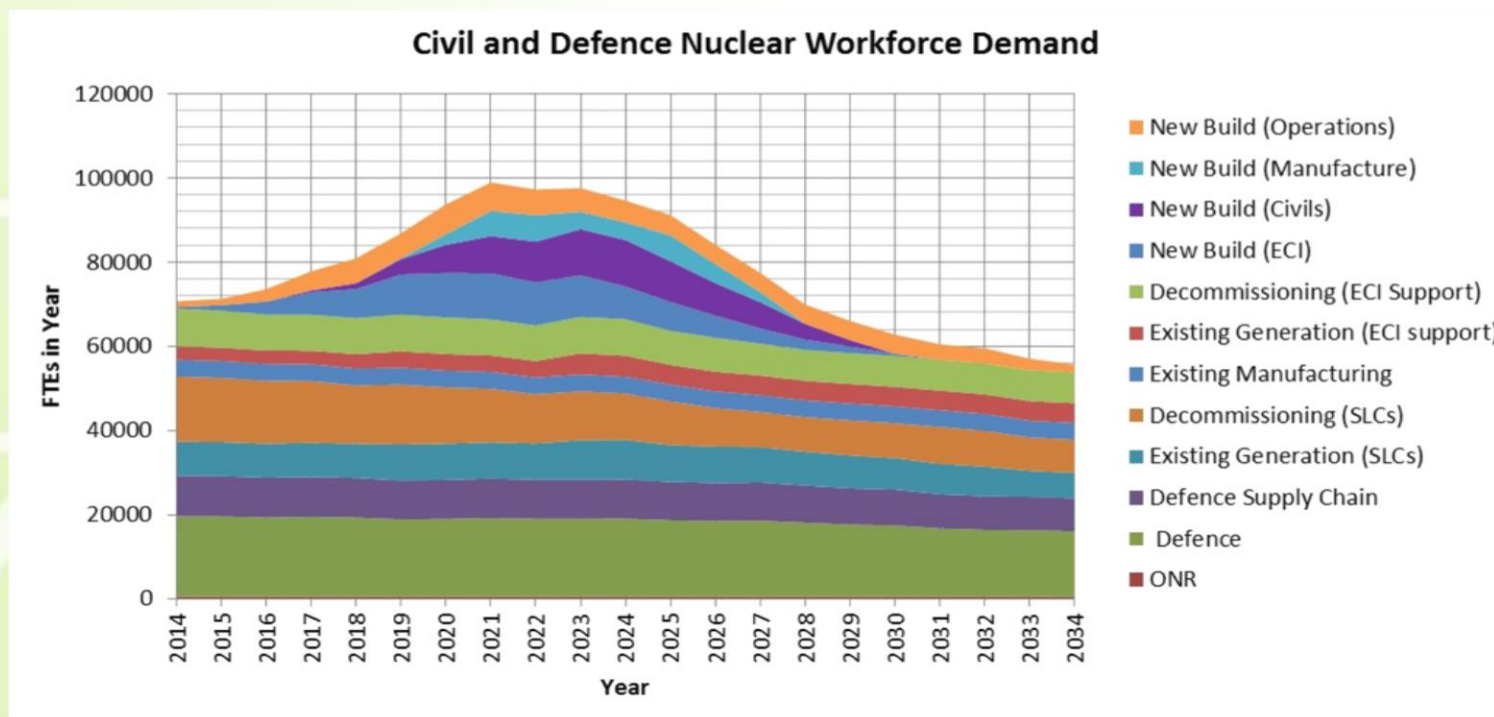
Why nuclear?

- £930bn worldwide investment in new nuclear by 2036
- Rapid technological advances in new build, operation, decommissioning and defence
- Shrinking workforce due to retirement and natural attrition
- Growing decommissioning portfolio
- Delivery of the Successor submarine class to sustain the UK's nuclear deterrent.

The case for a National College

- 12 nuclear reactors planned across five sites in the UK
- 20 years since the UK's last reactor built
- 19,000 new entrants by 2023, from a standing start
- Urgent need to increase female participation
- Skilled UK nationals imperative for defence
- Facilitate migration between projects.

Workforce demand



Why a joint venture?

- Position the UK as a world leader
- Protect/maximise UK employment prospects
- Deliver the formally accredited, higher level skills that employers want
- Shape and maintain standards
- Facilitate the migration of skills to, and from, other sectors and projects.

NCfN strategic aims

- Innovative collaboration between FE, HE and leading employers
- World-class vocational pathway to the nuclear industry
- Action to address key skills gaps
- Nuclear-specific qualifications and training to meet employers' needs
- Clear line of sight to permanent employment and progression
- Centre for innovation and research
- Lean, agile and sustainable.

The southern hub

Bridgwater & Taunton College
Cannington Centre

University of Bristol
Nuclear Research Centre and
new South West Nuclear hub

EDF Energy
Campus, Cannington and
nuclear new build



What will the NCfN look like?

- Knowledge, research and innovation hub
- International collaboration
- Accredited, employer-led, nuclear-specific programmes
- Innovative, exciting vocational pathways at Levels 4 to 6
- State-of-the-art simulator and virtual reality technology
- Accredited provider network to extend capacity and reach
- Cost effective and financially sustainable.

A pedagogical shift

- Seek and unlock potential through active discovery
- Project-led learning, delivering core competencies employers need
- Tailor-made to the demands of the role/workplace
- Embedding workplace behaviours and culture
- Dynamic, responsive
- Eco-system and community of learning
- HEIs to provide rigour and challenge.

Adding value for the sector

- Re-establish the UK as a Global nuclear prime
- Address key skills gaps for the sector
- New curriculum and qualifications that respond directly to industry needs, co-created with employers
- Create a work-ready, nuclear-conditioned talent pool
- New entry routes from education to industry
- Build provider capacity
- Ensure high quality provision.

Adding value for students

- Authoritative advice on careers and progression within the nuclear sector
- Routes into employment, and between roles
- Innovative provision that mirrors 'live' working environments
- Focus on nuclear-specific competencies at HE level
- Networking and sharing best practice
- 'Oven-ready' graduates.

Delivering the NCfN

- Build training hubs
- Engage with university and industry partners
- Develop curriculum
- Communicate and promote the offer
- Open for business September 2017
- Embed within the sector.