

NUCLEAR ENERGY CASE STUDY

Creating a global centre of excellence in partnership with AMEC

The background

In the UK, a new generation of nuclear engineers and scientists are urgently needed to support the design and construction of new nuclear reactors, lifetime extension and decommissioning of existing facilities. Developing a workforce with the capacity to undertake this work is key to delivering the UK's Nuclear Industrial Strategy.

The challenge

Providing people with the right skill set is crucial to meet the current skills gap challenge of the nuclear industry. It is also critical if the UK is to secure a sustainable future energy supply and continue to compete successfully in the international nuclear market.

Working together to support delivery of the UK's Nuclear Industrial Strategy

The solution

The University of Manchester's Dalton Nuclear Institute launched a long-term, strategic partnership with AMEC, the international engineering, project management and consultancy company. Both parties are working collaboratively to strengthen the UK's position as a globally-recognised centre of excellence for reactor engineering and nuclear skills.

As an extension of other collaborative activities with AMEC, this partnership builds on the highly successful Project Management Professional Development Programme (PMPDP), specifically designed for people wanting to enhance their practical experience by developing professional project management skills.

The benefits

For AMEC...

Broadening of the services they can provide to customers and improved capability to offer independent, expert advice on world-leading projects.

For The University of Manchester...

The opportunity to combine academic expertise with industrial leadership; improving skills development within the nuclear sector and increasing the range of services offered to our customers and collaborators.

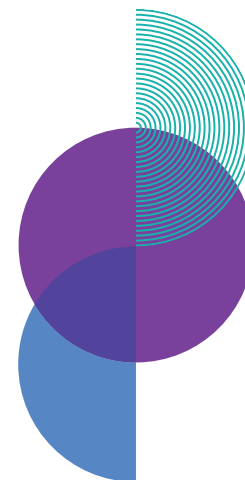
For society...

Support for the delivery of the UK's Nuclear Industrial Strategy, helping to meet future and existing nuclear industry requirements and showcasing the expertise and skills of the UK nuclear sector around the world.

There are many benefits in extending what is already established as a highly successful partnership. Through academia and industry joining together, in support of the UK's Nuclear Industrial Strategy, the UK will effectively export its nuclear skills and capabilities into the international marketplace.

*Clive White,
President of AMEC Clean Energy – Europe*

Together, The University of Manchester and AMEC are working to help close the skills gap currently facing the nuclear industry in the UK.



Summary

The nuclear industry is currently facing a skills gap. Overcoming this skills gap is critical to the delivery of the UK's Nuclear Industrial Strategy. For the UK to remain at the forefront of the industry and secure a safe and sustainable future energy supply, it needs people with the right capabilities — a new generation of skilled nuclear engineers and scientists.

To meet this challenge, The University of Manchester's Dalton Nuclear Institute has entered into a long-term, strategic partnership with AMEC, an international engineering, project management and consultancy company.

We are working together to strengthen the UK's position as a globally-recognised centre of excellence for science, engineering and technology, with an initial focus on the nuclear industry, to help meet the nuclear skills requirements of industry.