

CASE STUDY:

# UK National Thermal Hydraulics Facility



## KEY INFORMATION

**SITE:**

Science Park (M-SParc),  
Anglesey, North Wales

**PROJECT VALUE:**

£40m

**PROJECT TIMING/DURATION:**

Ongoing

## Project Overview

The UK Government's Nuclear Sector Deal in 2018 announced UK Governments intention to work in partnership with the Welsh Government to develop a Thermal Hydraulics Facility in North Wales. The UK Atomic Energy Authority (UKAEA) has been appointed by the UK and Welsh Governments to develop the business plan and outline design for the research and testing facility that's to be built at Menai Science Park (M-SParc) in North Wales. The National Thermal Hydraulics Facility (NTHF) will bring a major research and testing facility to North Wales that has a legacy expectancy of up to 50 years.

## Details on solution/approach

The facility itself is expected to create around high quality employment opportunities and further benefits to the local economy.

The testing hardware will be accompanied by a research centre for up to 50 visiting scientists to carry out data analysis, computer modelling and

simulation work. Intended to be the most modern of its kind in the world, it is seen as integral to the development of advanced nuclear technologies.

All of this is being developed alongside the Nuclear Futures Institute at Bangor University, ensuring that the region has the skills and capacity to work in the sector.