



TWI AND THE NUCLEAR INDUSTRY

TWI has been providing support to the nuclear and fusion industries for decades, with extensive experience and expertise in new build power stations, including welding and joining processes, and codes and standards for all reactor designs.

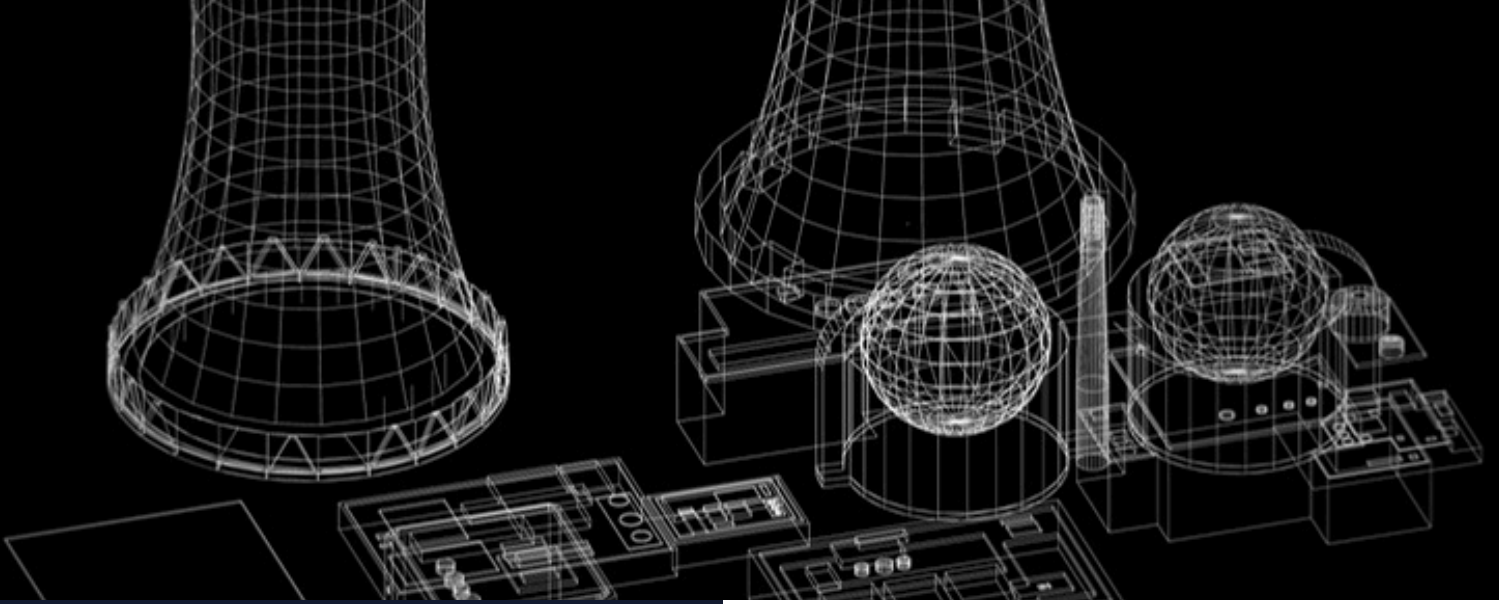
We have also assisted with life extension projects through structural integrity assessments and refurbishment as well as with nuclear waste and decommissioning projects in countries such as Sweden, Switzerland, Japan, the UK, the United States and France.

TWI has conducted over 800 separate projects for the nuclear and fusion industries in the last 35+ years, including recent work with Small Modular Reactors (SMRs) and the progression of fusion technology.



**Technical
Excellence.**

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Nuclear and Fusion Sector Expertise

Our expertise in the renewables industry includes:

- Advanced Fabrication
- Asset Management and Structural Integrity Modelling
- Expert Witness and Peer Review
- Decommissioning and Waste Management
- Failure Investigation
- Fitness-for-Service
- Materials Testing and Inspection
- NDT
- Repair
- Supply Chain Development
- Technology Development
- Training and Certification
- Welding and Joining Engineering / Software

Adding Value

Partnering with TWI allows you to benefit from:

- **Reduced Costs** – through improved processes
- **Added Functionality** – through the introduction of materials with dual or improved properties
- **Previous Experience and Expertise** – gained over decades of experience working with many of the largest names in the sector
- **Certified Quality** - to ISO 9000 series of standards
- **Responsive Problem Solving** – rigorous lab-based research to meet the challenges of the industry

TWI Support

TWI research and development is undertaken in strict confidence with both individual experts and multi-disciplinary teams being available to solve all kinds of challenges related to material joining, functional coatings, surfacing, asset management, and more.

Our work in other industries, such as space allows us to migrate technologies and solutions between applications to find the best solutions, while covering the entire scope of development activities, from design concepts through to advanced materials assessment, simulation and modelling and manufacture. We also offer in-service support using science and technological experience to solve any problems and mitigate against failure, creating bespoke solutions for our clients.

As part of our Core Research Programme, TWI has developed innovative joining technologies which are either ready for use in the nuclear industry, or could be further developed for commercial exploitation. Our expertise means that we are actively involved in a number of committees for standards related to the nuclear sector, while we also offer training services in welding and NDT for industry.

FOR MORE INFORMATION, PLEASE CONTACT US AT STEPHEN.ANARAH@TWI.CO.UK.



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