

ENGINEERING & SERVICES

Nuclear, oil and gas industries

TECHNICAL CAPABILITIES

The Darchem Thermal Protection Engineering Team has extensive experience in both Fire Protection and Thermal Insulation Solutions.

The introduction of 3D modelling into the business enables customers to export data that can be imported into our 3D system. However, more traditional methods are also used to feed our 3D system, such as Site Surveys or via customer 2D drawings.

The 3D system means that we can streamline the flow of data to our customers and manufacture facility.

This promotes a "right-first-time" environment, reducing the likelihood of site modifications

The Darchem Thermal Protection Engineering Team has vast experience in traditional calculation methods to analysing problems. However, the recent introduction of Finite Element Analysis (FEA) & Computational Fluid Dynamic (CFD), provides accurate analysis to customer problems. The business unit continually looks to use technology to provide solutions.

Darchem Thermal Protection is a World Leader in providing solutions to thermal and mechanical problems. Therefore practice of internationally recognised standards such as ASME, British, ISO and Country specific regulation is considered the norm. This emphasises the business philosophy of Engineer-To-Order (ETO) Products to meet the customers requirements.

The Engineering Team supports a global network of licensees and representatives, requiring adaptation to local business practices and cultures.



The Darchem Thermal Protection Engineering Team has experience of a broad range of bespoke design solutions. This occurs when customer problems are outside the tested parameters. In these instances, the Design provides Engineering Evaluations that can be verified by governing bodies or by further test work.

Site Services

Due to the increased activity in recent years, and the necessity for increased customer support, Darchem Engineering Site Services team has been set up to provide our customers with an all round service including front end survey, final installation and after sales support. Resources are made available both onshore and offshore in the UK and Worldwide to meet customer demands.

Darchem Engineering Ltd has the capability to:

- Respond to urgent fast track requirements
- Provide after sales services
- Co-ordinate manufacture and installation activities on critical programmes accommodating operational constraints
- Give worldwide support
- Provide key skilled engineers and technicians to perform design surveys, installation and training.



For the nuclear sector, Darchem Engineering Ltd can also offer:

- Detailed pre-planning of integrated outage activities
- Calculations of total radiation dosage for the agreed programme
- Co-operation with on-site health, physics and maintenance personnel.