

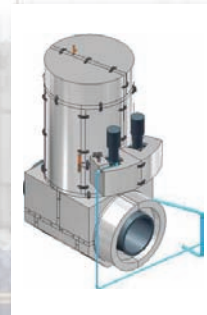
# Site Services and Technical Support



**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 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.



- 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.





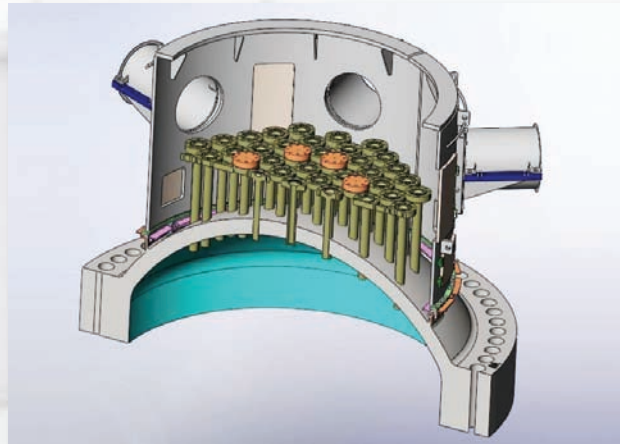
# Technical Capabilities

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

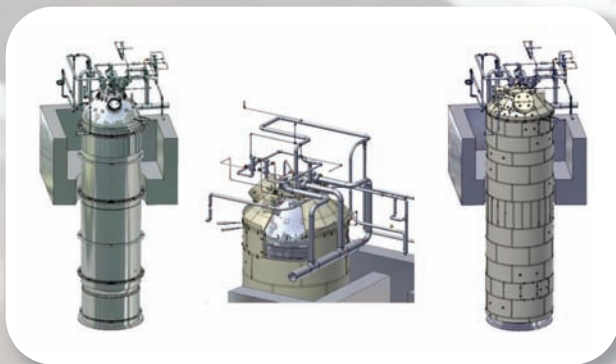
Our 3D CAD system enables customers to provide 3D CAD models for importing into our 3D CAD system. When the customer does not have 3D model data. The more traditional methods such as Site Surveys or customer 2D drawing data can be entered into our 3D CAD system manually.

The 3D modelling system means that we can streamline the flow of data to our customers and integrate the information into our laser cutting and manufacture facilities. This degree of engineering reduces the potential of having to carry out site modifications.

The Darchem Thermal Protection Engineering Team are highly qualified and have experience of a broad range of bespoke design solutions.

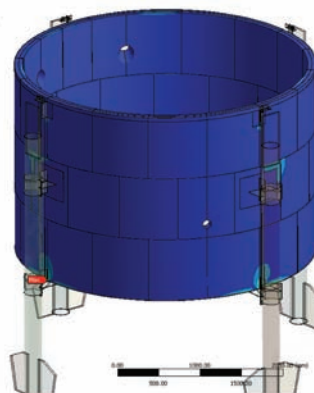


This is important when the customer has problems that are outside the normal tested parameters. In these instances, the design provides engineering evaluations that can be verified by analysis that have been validated using prior test work or bespoke test work.



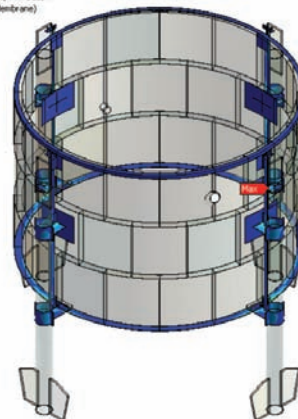
**The Darchem Thermal Protection Engineering Team has vast experience in traditional calculation methods to analysing problems. The use of Finite Element Analysis (FEA) & Computational Fluid Dynamics (CFD), provides accurate analysis to customer problems. The business unit continually looks to use technology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

**A: Static Structural**  
Primary Membrane Stress Intensity (MPa)  
Type: Stress Intensity - Middle(Membrane)  
Unit: MPa  
Time: 1



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Time: 1

159.46 Max  
141.74  
124.03  
106.31  
88.6  
70.886  
53.171  
35.457  
17.742  
0.027652 Min



**Esterline**

**Darchem Engineering**