



The ingenuity of
our people creates
endless possibilities



Case study:

Clam shell cutting of redundant pipework

An Altrad UK client operates a manufacturing and production facility – parts of which have been redundant for several years.

Following detailed surveys, the need to remove sections of redundant systems arose to prevent potential dropped objects from causing harm.

The challenge

Sections of redundant pipework had begun to show significant signs of corrosion which, if left unchecked, would lead to compromised structural integrity and a potential dropped object risk. A solution was therefore required to safely and efficiently cut, dismantle and remove the redundant pipework.

Prior to Altrad engagement, previous attempts to remove the pipework had been undertaken using cengar saws however, this proved unsuitable due to risk of personnel being exposed to swarf and the lengthy durations experienced in making each cut.

Client	Confidential UK client
Project	Removal of redundant steam pipe
Location	Confidential (UK)
Value	Undisclosed

The solution

Following a complex rigging operation, Altrad were able to install a clam shell device to enact cold cutting operations whereby ultra high pressure water is mixed with abrasive particles and sprayed on the pipe in a circumferential movement. This ensures cuts are precise and efficient.

The benefits

- Environmentally friendly
- Personnel are remote from the cutting process reducing risks to HSE
- Enables cutting to be carried out in hazardous environments
- Enables precise cutting to be undertaken
- Bespoke design for each task
- Lightweight system for ease of movement