



## Case Study

Offshore Oil & Gas:



### The Client,

Is a leading independent services provider for the oil, gas and power generation markets. Worldwide these services include engineering, procurement and construction management, facility operations & maintenance, repair & overhaul of turbines and other high-speed rotating equipment, as well as provision and field service of pumps, wellheads and valves.

Their global reputation has been built upon decades of successfully managing even the most complex engagements for their clients, offering a broad range of integrated services across the asset lifecycle. Today, as always, they are focused on safely delivering innovative, fit-for-purpose solutions to a very diverse customer base.

### The Problem

Offshore oil rigs are located a fair distance from the nearest land so it is essential that the oil rig is able to support the needs of the workers. For this reason oil rigs will have a desalination plant to purify the salt water converting it to fresh water for cooking, drinking and, washing and cleaning purposes. Usually rigs will have two systems for redundancy in case one fails.

It is just so that in this case one of the units had failed. This meant that the rig only had the use of one system. Its replacement was essential should the other system fail.

Unfortunately whilst this unit was out of service the other unit was working hard. This posed a problem for the rig operator. The unit had to be changed without affecting the operation of the other unit or affecting the water supply to the rig. In order to replace this unit sections of pipe had to be relocated so the old unit could be removed and the new one installed.

APS were approached by the The Wood Group to help them identify a solution that would help to solve the problem.

### The Solution

APS worked closely with the Wood Group and it's engineers on the oil rig to determine the best solution for this scenario.

After much discussion it was decided that the use of the mechanical linestop equipment would be the best course of action.

With the mechanical linestops in place the rig engineers were able to remove the required sections of pipe and install the valves further down the line.

Once the valves were installed the linestops could be removed and capped off.

“The nature of the work dictates tight schedules and ever changing deadlines. With the need to take into consideration platform operations often little time is afforded to allow for preparation of any works. Allied Pipefreezing’s ability to remain flexible and the ability to react when needed was paramount to the success of the operation.”

## The Benefits

### Swift Approach

The client was keen to adapt to this approach as it offered a viable solution that had minimal impact on the delivery of services and prevented a full shutdown of the platform.

### The Outcomes

The process is highly efficient. It allows for the system to be worked on without the loss of service. The efficiency gains are substantial as it eliminates the need of a shut down.

It is not only the benefits of efficiency that this service offers but a real costs saving one too. The costs of shutting down the desalination plant would mean that the platform would have to be evacuated until such time as the system was up and running again. All the while production would be at a standstill incurring substantial costs.

### Why Allied Pipefreezing?

Our pipeline isolation and online services have provided clients from a wide range of industries with effective cost saving solutions. We have the knowledge and experience to help clients make the most of the services we offer in order to realise both savings in time and project costs.

With the benefit of our knowledge and experience we have satisfied customers in a variety of industries including Oil & Gas, Pharmaceutical, building services, Local Government, Health Care Sector both public and private, Petrochemical, Manufacturing, Engineering, Education, Food and Drink

### What now?

Why not contact APS to see how we can help you save time and money.

For a free no obligation quote call our sales team on

**01282 410240**

We will be pleased to help no matter the size of your enquiry.

### About APS

APS is a long established specialist pipeline contractor.

We work in a wide variety of industries providing a range of pipeline isolation techniques to suit most customer requirements.

With national coverage we are able to offer our services countrywide and usually within tight deadlines.

Our engineers are experienced and have a wealth of knowledge and can offer a solution to just about any problem.

For a free no obligation chat about any projects you have that may be causing a headache call us and see if we can't provide you with the solution.