



Pipefreezing



Under Pressure Drilling



Line Stopping



Shrink Fitting

Case Study

NHS:

Ninewells Hospital



The Client

Since its launch in 1948, the NHS has grown to become the world's largest publicly funded health service. It is also one of the most efficient, most egalitarian and most comprehensive.

Ninewells is an acute teaching hospital and has strong links with Dundee University Medical School which has one of the world's leading leukaemia research units. The hospital has 862 acute beds and a 31-bed medical assessment unit. The hospital has two MRI scanners and a CT scanner available, which can be operated 24 hours a day, including weekends. The hospital provides services in accident and emergency, critical care, lung and colorectal cancer, palliative care and has a renal unit.

The Problem

A section of 3" DHW copper pipe had, over the years, been rubbing on its support. Over time this had caused a hole to wear through the wall of the pipe and subsequently began to leak. The pipe was providing DHW to a number of critical wards within the hospital.

The impact of shutting down the system to carry out the works was staggering. As a result the hospital engineers had to look at alternative ways of affecting a repair.

In addition to the urgent repair the hospital estates team had identified a number of existing cast iron valves in the system that had to be replaced due to failure and their unsuitability for the system.

To mitigate any issues with bacterial growth and to maintain services to the ward the hospital approached APS to offer a suitable solution.

The Solution

APS came up with a plan to isolate the line where the repairs had to be affected whilst maintaining the supply of DHW to the critical wards.

This was achieved by installing two mechanical line stops into the pipeline to isolate the section of pipe where the valves had to be replaced and the pipe repaired.

As well as the isolation a temporary bypass was installed around the line stops to maintain the supply to the wards.

Line stopping provides a temporary mechanical isolation on a pipeline to allow repairs to be carried out and when incorporated with the bypass system can still maintain services to the end users.

All this work was carried out outside of normal working hours where demand on the system would be minimal.

“We found the service to be invaluable. The time it took to complete the works was substantially less had a traditional shutdown be carried out. The need to continue supply to the critical wards was crucial. Other more traditional methods would not have been able to offer this benefit.”

Swift Approach

The hospital engineers were keen to adapt to this approach as it offered a viable solution that had minimal impact on the delivery of services to key wards.

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 hot water services not only increase the costs of energy, but also the hidden costs of temporary systems to provide hot water or the relocation of whole wards to area unaffected by the works.

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.