



North Sea Platform - Chemical descale, produced water system

Before



After



Client	North Sea Platform
Project	Chemical descale of a produced water system
Location	North Sea
Size of Contract	Compact project

THE CUSTOMER

A platform out in the North Sea was experiencing production problems. It was noted that the flare scrubber lines and closed drains had been contaminated by scale which had reduced the internal pipe diameter by almost 60%.

THE CHALLENGE

The task was to remove the scale by using a CEFAS approved chemical. To remove this fouling, a decision was made to clean the flare scrubber lines first then the closed drains. Following emergency meetings, we produced schematic drawings of our equipment hoses and connections with a corresponding time schedule of work.

ALTRAD SERVICES' SOLUTION

Altrad Services produced method statements for each stage which were accepted by the client, after which the equipment was mobilised to the platform. With full assistance of the operations, the platform was isolated and ready for our first descale on the flare scrubber. This went very well, with the work being delivered safely and on time, and the platform was able to produce again. Working on one train at a time, Altrad Services managed to descale the closed drains pipework with various loops and back flushes. An emersion bath was also conducted to descale items removed by the maintenance team from other parts of the plant. The scope of work was completed safely, over a ten day period, which was commended by the client.



Flows from various system sectors showing progressive change in cleanliness

ABOUT ALTRAD SERVICES

Altrad Services is an international leader in the provision of critical industrial services principally to the energy and natural resources sectors.

Our multi-disciplinary service offering includes access systems, insulation, specialist coatings, passive fire protection, refractory linings, environmental services, oil and gas storage tanks and heat exchanger replacement and refurbishment.