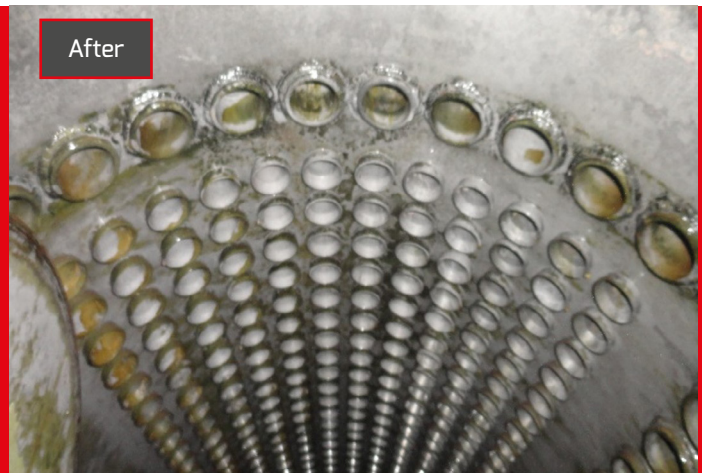
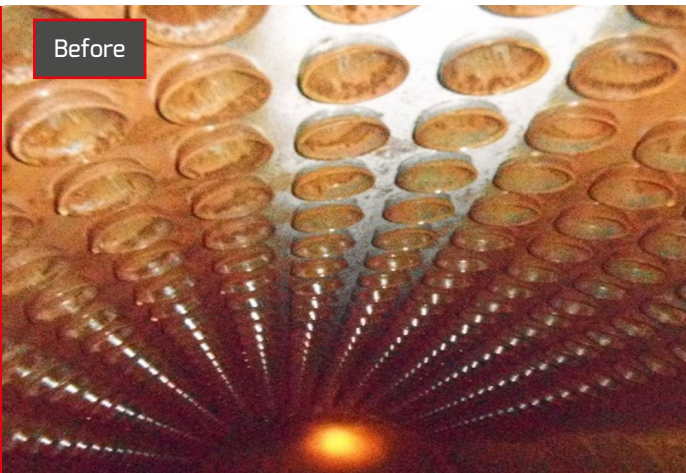


North Sea FPSO - Chemical Clean of Two Auxiliary Boilers



| | |
|-------------------------|---|
| Client | North Sea FPSO |
| Project | Chemical Clean of Two Auxiliary Boilers |
| Location | North Sea |
| Size of Contract | Compact project |

A final passivation with a CEFAS approved chemical was carried out over a two hour period, then once again drained, and left open for an immediate independent inspection. The first boiler was completed and put back on line to avoid any flash rusting. Both boilers were completed over a 10 day period to a safe professional manor.

THE CUSTOMER

A FPSO out in the north sea had a routine insurance inspection due on two Mitsubishi auxiliary boilers. Altrad Environmental Services was awarded the contract to chemical clean each of these boilers individually prior to the inspection.

THE CHALLENGE

The task set, was to remove iron and copper oxide from the water and steam drums using CEFAS approved chemicals. This would be a three stage clean.

1. Iron/Copper oxide removal
2. Boiler flush with demineralized water
3. Passivation

ALTRAD SERVICES' SOLUTION

Altrad Environmental Services produced a method statement which was accepted by the client allowing us to then mobilize the necessary equipment to site.

The first boiler was prepared for the chemical clean. Altrad installed a sparge piping system to the water drum door and sealed the boiler. Chemicals were added and using the boiler burners heated the system to 60°C. Nitrogen was introduced to the sparge system which circulated the hot chemical around the boiler, this continued for six hours. Following the necessary sit testing, the boiler contents were drained to Tote Tanks. Using the boiler water, the boiler was flushed to remove any chemicals and sludge's.



FPSO out in the north sea

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.