

# TEAM Saves Esso Millions with First of Its Kind On-Line Leak Repair



## Overview

A boiler unit at Esso's Fawley Refinery was shutdown for repair when a second unit developed a leak. TEAM provided a first-of-its-kind repair to an on-line boiler saving Esso millions.

## Project

Cone roof tank construction at an Oklahoma airport

## Location

Esso Fawley Refinery in Fawley, Hampshire, England

## TEAM Service

On-Line Leak Sealing and Repair

## The Need and Challenge

Esso's unit 1 boiler at its Fawley Refinery was shutdown for repair. While unit 1 was shutdown, the unit 2 boiler developed a superheater tube leak. A repair of the unit 2 boiler was needed or else a major processing unit would need to be shutdown. There was more bad news. The primary superheater tube leak was in the worst possible place—in dead space 102ft above ground level. It was also directing 1690psi of sTEAM on to an adjoining tube.

## Solution and Outcome

TEAM installed an erosion shield by crawling into a lethal confined space, protected by an air-cooled suit. After three days of planning and just two hours of work the process was complete. TEAM completed the world's first repair of its kind to an on-line boiler that resulted in a multi-million pound saving for Esso.

This work may have been performed by a company subsequently acquired by TEAM.