

Major Field Service Project

Background

This Application Brief centers around the successful completion of a major field service project at a large northern European refinery by the Howden team. The team consisted of 44 professionals, from Maintenance Partners, CPI, Howden UK, Howden France and Howden Thomassen Compressors. The team navigated a demanding schedule and challenging conditions to achieve remarkable results.

Project Highlights

Installation and commissioning of 2, 3 MW E-motor drivers for Howden Thomassen Reciprocating compressors, completed one day ahead of the deadline.



Base Plate installation



Flying E-Motor



Positioning....



.....and "Touch Down"

Inspection and Overhaul of 6 Reciprocating compressors.

Inspection and Overhaul of 8 Centrifugal compressors and 1 Steam Turbines.



Bearing, Seal & Gearbox inspection



Air compressor, Major Overhaul



Bearing & Seal inspection & coupling replacement

The Howden team successfully maintained a zero-accident record throughout the duration of the project. Despite a two-week timeframe in which temperatures at the site fluctuated between -5°C and +18°C, including one day of restricted travel and work due to heavy snowfall and ice, the team remained committed to safety.

This project highlighted Howden's extensive capabilities across various types of equipment involved in the turnaround. It required a wide range of skills, from project management to on-site overhauls. The project included upgrading and installing many of Howden's innovative solutions, particularly those aimed at reducing equipment emissions.