

case study

Avoiding shutdown of a critical petroleum refinery in Turkey

fluitec.com



Problem

At a major petroleum refinery in Turkey, a crucial gas compressor exhibited elevated bearing temperatures. Persistent escalation of temperatures posed a potential threat to the entire plant, requiring a shutdown and significantly impacting overall productivity.

Solution

Introducing **DECON™** to the gas compressor effectively mitigated the rapid temperature escalation. This facilitated dissolution of deposits within the system and maintained them in solution. This resulted in the reduction of axial bearing temperatures for this compressor.

Results

DECON successfully reduced bearing temperatures, avoiding a refinery shutdown. Currently deployed at two sites, it ensures bearing temperatures remain within the prescribed tolerance range.

Total Saved

€5.8M

Client:	Major Petroleum Refinery
Country:	Turkey
Application:	ELLIOTT Gas Compressor
Cost savings:	€5,800,000 over 5 years
Oil savings:	4,500 liters
CO2e kg saved:	36,129 CO2e kg over 5 years
Solution:	DECON



Notably, O-rings remained unaffected by the introduction of DECON.

BEARING TEMPERATURES DECREASE AFTER THE ADDITION OF DECON

