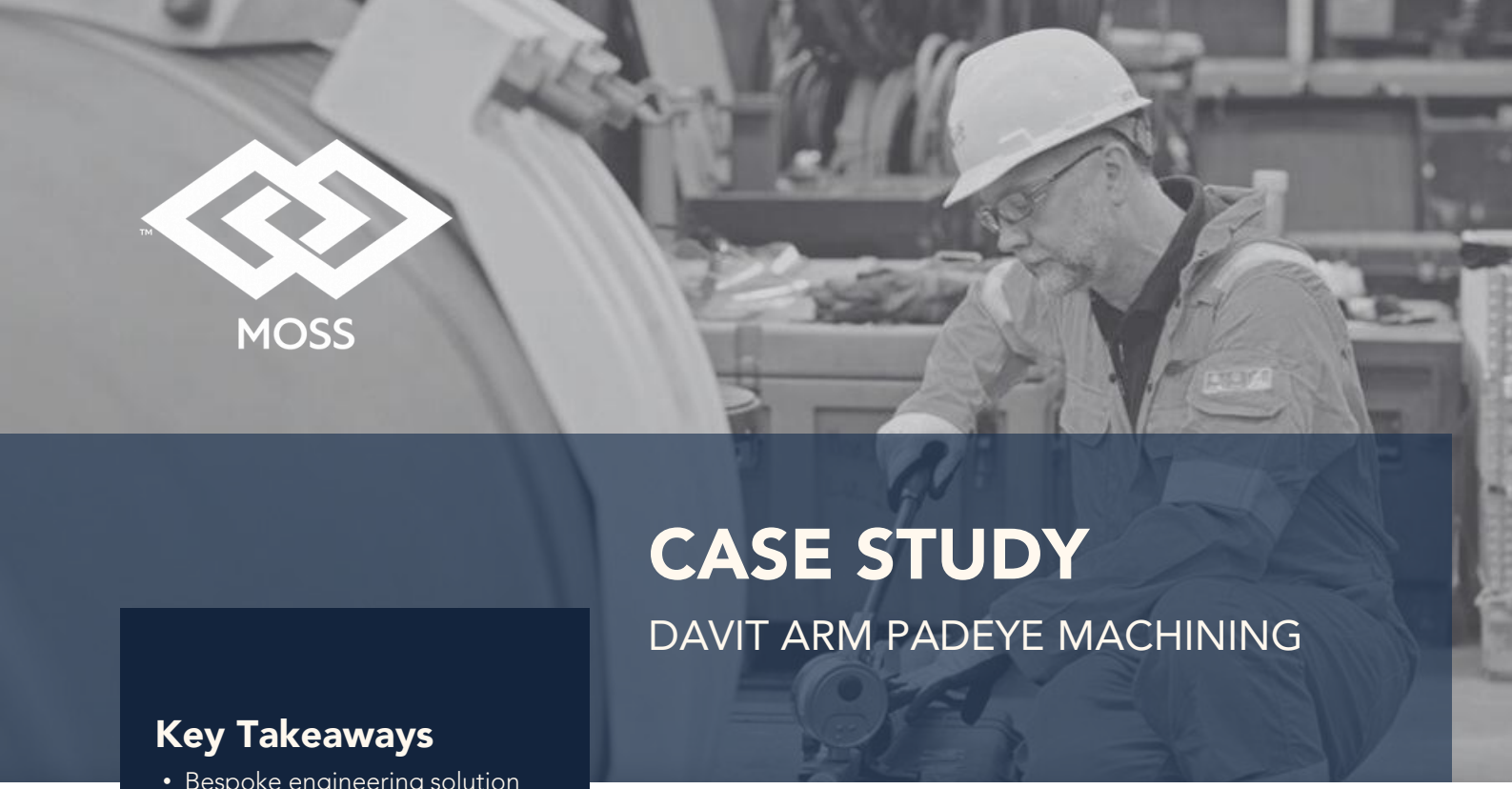
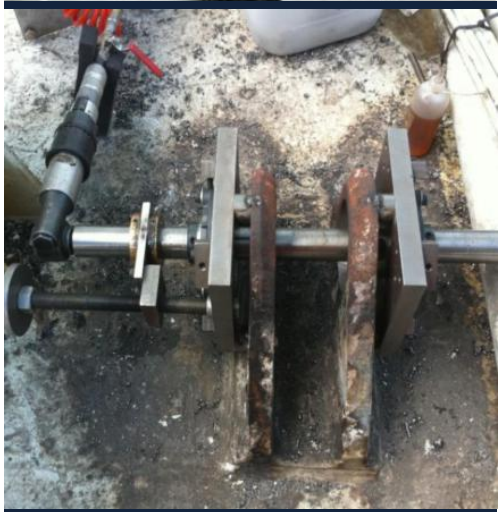


CASE STUDY

DAVIT ARM PADEYE MACHINING

Key Takeaways

- Bespoke engineering solution enabled safe and efficient restoration of the davit system.
- Completed within the vessel's short port window, preventing delays to sailing.
- Work was fully approved by the vessel's chief engineer, providing confidence in long-term reliability.



The Challenge

A North Sea offshore supply vessel experienced significant wear on the locating pins and padeye bushes of its lifeboat launching davit arms. This wear created excessive strain on the hydraulic system and raised safety concerns about reliable lifeboat deployment.

With only a short port call for refuelling and reloading, the machining had to be completed rapidly to avoid any impact on vessel readiness.

Our Approach

MOSS engineers proposed in-situ machining of the davit arm padeyes to restore the system to full operational condition. Given tight access restrictions around the vessel deck and adjacent hydraulic hoses, standard equipment could not be used.

A tailored solution with specially designed line boring equipment was developed.

Implementation

Two sets of custom line boring machines, along with highly experienced MOSS technicians, were mobilised so that both pairs of padeyes could be machined simultaneously.

The old bushes were carefully removed, and the padeye bores were precision-machined to accept new bushes.

Once the bushes were welded into place, the line boring rigs were reinstalled and the bores machined in-line to achieve an exact running fit for new location pins.

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