



## Case Study:

Offshore Vessel, Singapore  
Wärtsilä 12V32

## 48,000-Hour Overhaul for Offshore Vessel in Singapore

### Client Requirement:

A global leader in the delivery of offshore projects and services required a comprehensive 48,000-hour overhaul on two of their Wärtsilä 12V32 diesel-electric engines and Napier NA297 turbochargers.

The maintenance was scheduled to take place while the vessel was docked in Singapore. The vessel was intended for operations in Australian waters, necessitating continuity of service and local support upon arrival.

### Solution:

To meet the client's requirements, Royston Australia (RA) assembled a highly skilled and multidisciplinary team. The core team consisted of:

- Engineers from Australia, leveraging RA's expertise and resources.
- Two Royston engineers from the UK, including a Wärtsilä-trained project lead.
- Local subcontractors to ensure seamless collaboration.
- RA's in-house turbo specialist, providing dedicated expertise for the Napier turbochargers.

This collaborative approach drew upon the extensive knowledge and resources of the Royston Group, ensuring the highest standards of service and technical precision.

### Execution and Outcome:

The project spanned nine weeks, during which all team members remained onboard the vessel to ensure uninterrupted progress. The scope of work was executed meticulously, addressing every detail of the overhaul with precision.

Upon completion, rigorous sea trials were conducted, which confirmed the faultless performance of the engines and turbochargers. The vessel was successfully returned to operation, meeting all performance and reliability standards.

RA's team remain available to provide ongoing support when the vessel commences its operations in Australian waters.

