

Monitoring engine performance with the help of digital tools & solutions

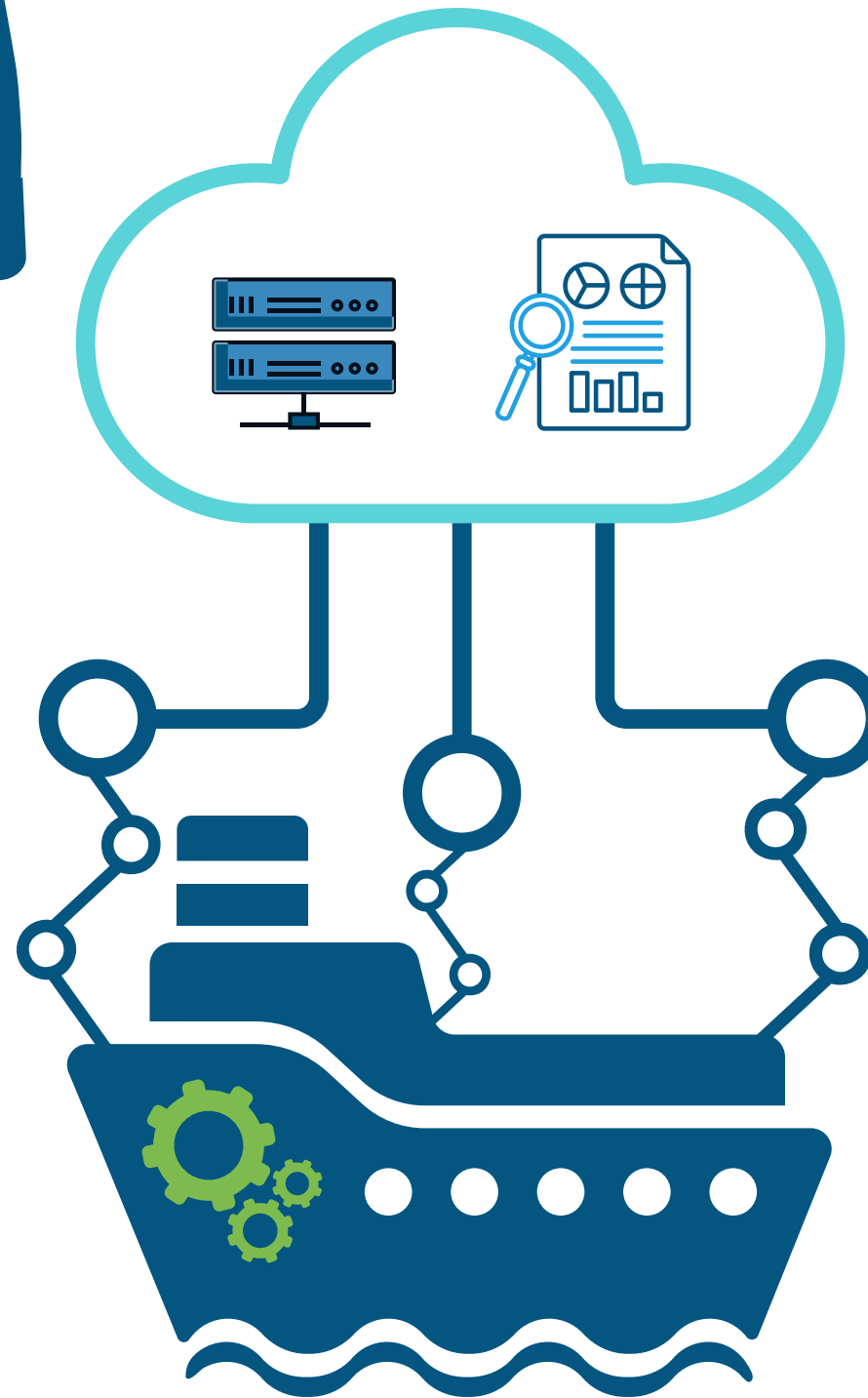
Research on emissions from shipping suggests that relying merely on new, more efficient ships will not be enough to curb the environmental damage caused by shipping. To tackle maritime industry's impact on the environment, urgent action is also needed to develop, retrofit and decarbonise existing fleets.

Digital Performance Monitoring





Digital performance monitoring is a way for shipowners to decrease fuel consumption and emissions, prevent engine breakdowns, and reduce maintenance and repair costs without the need to replace old vessels with new ones. Monitoring vessel performance with the help of digital tools and solutions makes it possible to capture and analyse operational data, making it easier to identify potential inefficiencies before they cause bigger problems.

Monitoring Engine Performance

In EXOPRODIGI project, partners have been working with high frequency (1Hz) data logged from alarm / control systems of main and auxiliary engines of vessels to monitor deviations in engine performance.



Benefits of using digital solutions for engine performance monitoring:

- Improved access to engine and vessel performance data 
- Reductions in time spent on maintenance, repair and inspection operations 
- Savings in maintenance and spare part costs 
- Prevention of critical breakdowns which can compromise the safety of a vessel and its crew at sea 
- Reductions in fuel consumption and emissions 