

MRV SERVICES

THE PROPER TOOLS FOR COMPLIANCE WITH MRV REGULATION.

- > MRV Compliance solutions for vessels ≥ 5000 GT
- > Validation/Verification according to ISO 14065
- > Outstanding service by an independent and accredited company
- > Management Solutions for MRV



TECNOVERITAS[®]

Dedicated to innovation

EU MRV Legislation

MRV is a legislation created by the European Council. It has the goal of monitoring Greenhouse Gases emissions of maritime means of transportation, in particular CO₂.

MRV is directed to...

... big pollutants namely, **ships with 5000 GT or higher**, ships for commercial purposes (carrying passengers or cargo), regardless of the flag or country of the shipowner.

MRV monitors...

- > CO₂ emissions;
- > Fuel consumption at sea and berth;
- > Voyage data;
- > Energy efficiency parameters;
- > Emissions sources.

MRV is scheduled...



Shipowners must...

- > Develop a monitoring plan (per voyage/ annual);
- > Provide to the verifiers emissions data and ships activity data;
- > Provide certificates of flowmeters and emissions source;
- > Provide procedures and calculations;
- > Have their emissions reports verified;
- > Carry on board a Document of Compliance.

Verifiers must...

- > Check the client's monitoring plan, assuring its content and compliance with requirements;
- > Define a sampling plan, and the nature and extension of its activities;
- > Assess the emissions report, verify data credibility and compare estimations;
- > Be impartial, independent, capable and accredited;
- > Identify and evaluate the risks.

In case of non-compliance with the legislation there are penalties:

- > *The ship owners will be sanctioned in first instance;*
- > *In case of non-compliance for two or more consecutive years ship owners may be banished by the Member State of the port of entry or from entering any EU port.*

How can TecnoVeritas help you with MRV?

Since 2017 we are recognised by *IPAC - Portuguese Institute for Accreditation*, as a MRV independent verifier (according to ISO 14065), and we can help you by:

Verifying the vessels emissions report (per voyage and/or annual), emitting the appropriate official declaration, in case of compliance.



Validating your vessel's monitoring plan in accordance with EU 1927/2016.



Other TecnoVeritas Solutions to assist you...

- > VEEO Initial (Seatrade Awards Winner) collects the data to analyse ships performance. It can create an Automatic MRV Report.
- > BOEM-S, a cloud based software, allows the access to realtime and meaningful data, generating customized reports.

ABOUT TECNOVERITAS

TecnoVeritas is a specialist provider of engineering services and solutions to the shore and marine industries, with more than 20 years of experience.

Headquartered in Portugal with a global reach, TecnoVeritas is focussed on emissions and energy management, and has a strong track record of delivering high quality solutions combining innovation with world leading technical expertise.

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Clean Shipping



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