



**MONITORING
REPORTING
VERIFICATION**

BLUETRACKER MRV MODULE

The dedicated EU MRV system that facilitates data collection and automates the generation of emission reports – **with a unique data validation engine to identify data gaps and plausibility issues**

The MRV shipping regulation adopted in April 2015 creates an EU-wide legal framework for the monitoring, reporting and verification of CO₂ emissions produced by maritime transport.

It requires ship owners and operators to annually monitor, report and verify CO₂ emissions and transport work for vessels that are equal to or larger than 5,000 GT and that call at any EU port. The results will be published on a regular basis.

As an initial step, ship owners and operators have to identify and formalize in a monitoring plan the procedures that have to be reported and have to capture all relevant data for analysis to ensure its quality.

MRV ROADMAP

1 JANUARY 2018

Start of the first monitoring and reporting period of the vessel's CO₂ emissions

30 APRIL 2019

Submission of the ship's annual emission report to the European Commission and flag state authorities

30 JUNE 2019

Placement on board of a document of compliance issued by the MRV verifier, inspected by port state authorities

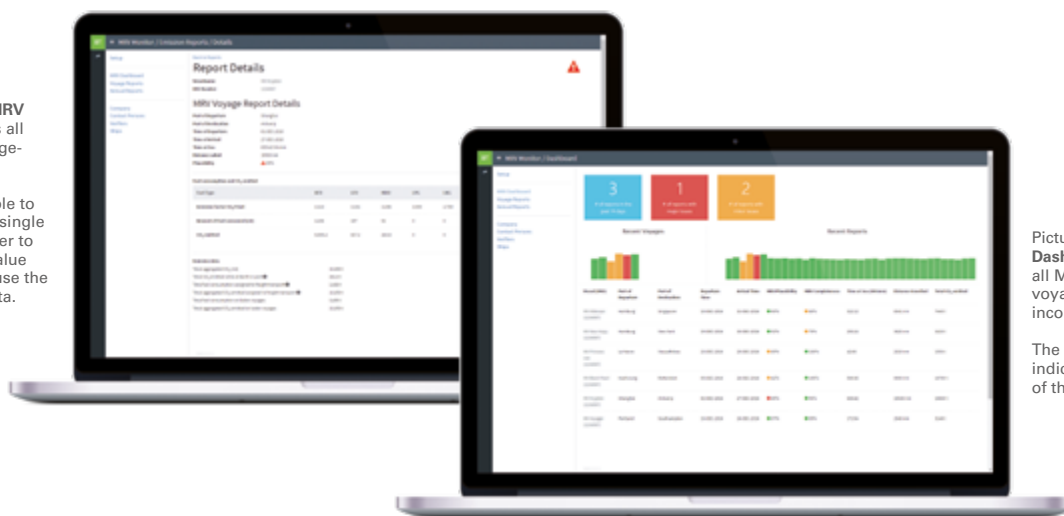
BLUETRACKER MRV – MAIN BENEFITS

It is designed to

- check all incoming data for plausibility in real-time and automatic notification in case of any inconsistencies thanks to the new integrated data validation engine
- work with existing reporting systems
- automate the generation of the emission reports
- conduct monitoring on a per-voyage basis as well as on an annual basis
- use integrated data for other Bluetracker modules e. g. Hull Monitor etc.

Picture: The **MRV Report** details all relevant voyage-based data.

The user is able to drill down all single reports in order to identify the value that could cause the inaccurate data.



Picture: The **MRV Dashboard** shows all MRV relevant voyages and incoming reports.

The different colors indicate the accuracy of the incoming data.

BLUETRACKER MRV – PACKAGING

The Bluetracker MRV module can be combined with existing reporting solutions. It is available as a stand-alone module as well as an integrated on board reporting solution.

MRV BASIC SOLUTION	MRV CONSULTING SOLUTION	MRV REPORTING SOLUTION
<ul style="list-style-type: none"> ✓ MRV Dashboard ✓ Integrated advanced data verification engine ✓ Annual generation of emission reports ✓ Web-based SaaS ✓ Integration of data from an existing reporting solution via documented API by the customer's IT department 	<ul style="list-style-type: none"> ✓ Bluetracker MRV Module plus ✓ Professional consulting and software training ✓ Implementation for the data integration 	<ul style="list-style-type: none"> ✓ Bluetracker MRV Module plus ✓ Onboard reporting solution (Bluetracker Reporting) ✓ Mandatory one-time two days of training ✓ Data-validation on data entry ✓ MRV compatible report templates

If you have any questions or would like to set up an appointment with one of our MRV representatives, please call or e-mail us: