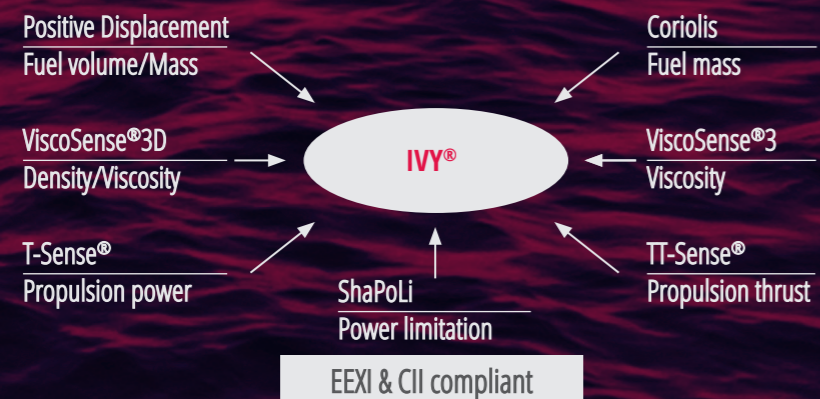


VAF

INSTRUMENTS

Complete solution for insight, fuel efficiency, propulsion efficiency and emission reduction



About VAF

VAF Instruments is a preferred developer and supplier of sensors, data collection systems, and data analysis cloud solutions concerning ship propulsion performance measurements and reporting. Our main goal is to support you in being environmentally compliant and to achieve optimal vessel propulsion performance.

To support you in the reduction of greenhouse gases, fuel use, and to be compliant, VAF Instruments has an extensive product and solution portfolio. In addition, we can provide you with excellent installation and service support with our global presence in the main shipping regions.

VAF Instruments B.V.

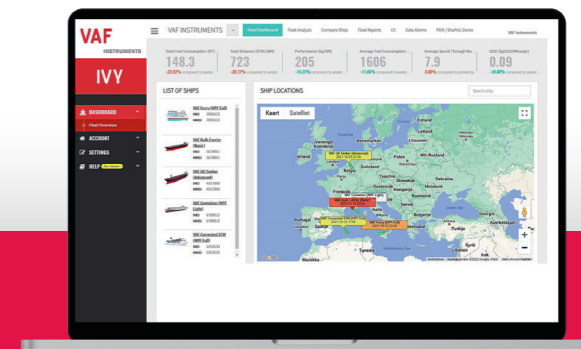
Vierlinghstraat 24, 3316 EL Dordrecht, The Netherlands
P.O. Box 40, 3300 AA Dordrecht, The Netherlands
T +31 78 618 3100 | info@vaf.nl | www.vaf.nl

Specifications subject to change without notice
VAF Instruments B.V. is an ISO 9001 - ISO 14001 Certified
Company Agents and distributors in more than 50 countries



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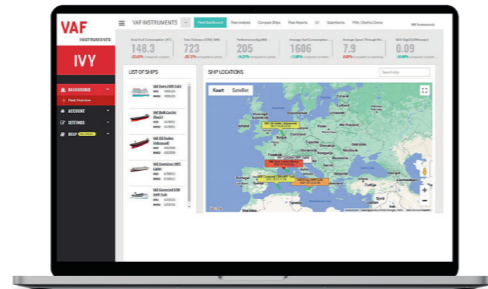
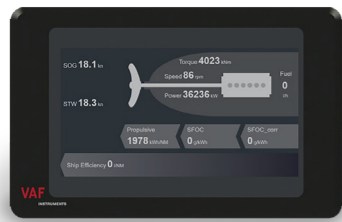


VAF IVY®

Your fleet Performance Management Solution

Stay connected with your fleet





The multitude of sensors onboard provides a wealth of information. VAF IVY® translates this enormous amount of data into usable data and more than 40 clear KPIs. This gives you real-time insight into the performance of your fleet, anytime and anywhere. You can also count on automatic, reliable CII calculations and visualisations.

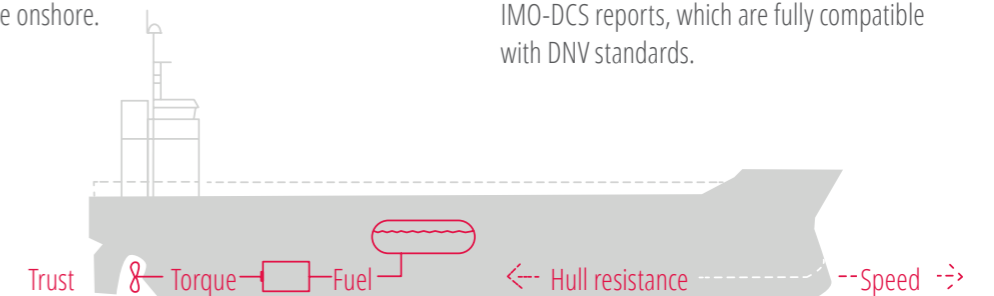


With our VAF IVY® solution, you can monitor, investigate and optimise your fleet's performance by visualising data and obtaining 40+ KPIs such as flowmeters, torque/thrust sensors and existing sensors installed on your vessel. Our T-Sense® torque and TT-Sense® torque and thrust measuring systems offer you broad insights into your propeller efficiency, vessel pitch optimisation and hull resistance. Our highly accurate flowmeters provide complete information on the fuel efficiency of individual fuel consumers on your vessel.

VAF IVY® stay connected with your fleet

IVY® collects sensor data onboard your vessel. Via the vessel satellite connection, the data is then sent to the IVY® cloud and accessible at the office onshore.

IVY® provides fully automated voyage reports, including automatic berth and anchorage detection. IVY® automatically prepares MRV and IMO-DCS reports, which are fully compatible with DNV standards.



- ✓ Propulsion performance dashboards in the office & on board
- ✓ High frequency data collection
- ✓ Powerful cloud data environment
- ✓ Automatic reports generation (MRV, IMO DCS, CII)
- ✓ Vessel performance insights and efficiency improvements
- ✓ Saving up to 20% on fuel and maintenance
- ✓ Saving energy and CO₂ emissions
- ✓ Be compliant and stay in control

