



## BLUETRACKER ENGINE MONITOR

**A ship's value is assessed, among other things, by the efficiency of its engines. With the Bluetracker Engine Monitor, technical superintendents can continuously check the extent to which the makers' specifications can be measured against the running ship operations.**

The Engine Monitor allows the analysis of the specific fuel oil consumption SFOC of the main engine (ME) and the auxiliary engines (AE) via the percentage performance. Individual, ship- and company-specific KPI settings and automatic notifications in the event of anomalies can be used to react promptly to changes in engine performance and thus ensure reliable and effective ship operation.

With the help of reference data from the manufacturer or from the sea trial, KPIs can be calculated against current operative measurement data of the flow meter and the shaft power meter. Bluetracker automatically filters out plausibility issues that occur and thus provides information about the actual efficiency of the engines - and this over their entire lifecycle.

In case of data gaps, a fallback algorithm with integrated estimation engine provides, calculated averages using maker's reference data and from ship operation so that a complete, plausible and consistent data history can be established. This will provide a basis which will enable a fundamental understanding of the engines during ship operation.

### BENEFITS

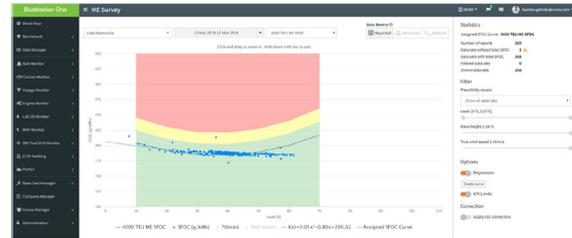
- ✓ Continuous monitoring and analysis of ME and AE performances
- ✓ Application of ISO correction to enable comparability of vessel performance
- ✓ Fallback algorithm to provide calculated average data in case of non-continuous data availability
- ✓ Vessel-, class- and company-specific KPI Settings
- ✓ Crew involvement by auto-generated feedback
- ✓ Data integration of existing reporting systems and measured data
- ✓ Plausibility check of all incoming data to ensure reliable quality

## FEATURES

The Engine Monitor includes three areas: main engine survey, auxiliary engine survey and KPI settings:

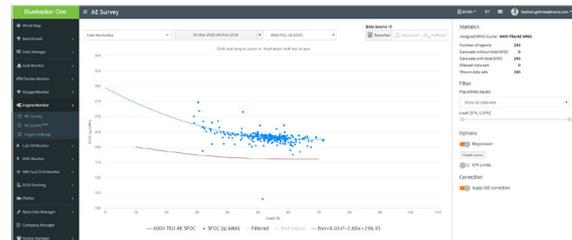
### ME Survey

- ✓ Selection of reference curves
- ✓ Calculation of the SFOC value from the fuel consumption and the measured performance
- ✓ Creation of any number of reference curves from the historical measurement data for e.g. one year
- ✓ Correction of cooling water temperature, ambient pressure and LCV via ISO correction function
- ✓ Creation of consistent data streams using fallback algorithms



### AE Survey

- ✓ Selection of reference curves
- ✓ Calculation of the SFOC value from the fuel consumption and the weighted average power of all auxiliary engines
- ✓ Creation of any number of reference curves from the historical measurement data for e.g. one year
- ✓ Correction of cooling water temperature, ambient pressure and LCV via ISO correction function
- ✓ Consideration of the efficiency of each AE engine

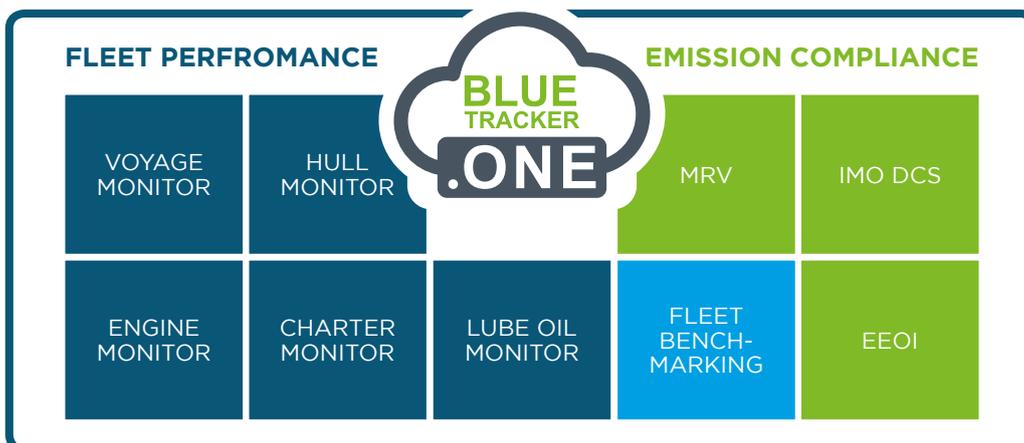


### KPI Settings

**A ship-specific as well as a ship-class specific comparison is made possible by an individual KPI setting with the help of the following functions:**

- ✓ Definition of individual KPI ranges
- ✓ Set up of filter criteria on ship, class or company level

## BLUETRACKER ONE AT A GLANCE



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

+49 461 43041-0

bluetracker@navis.com

www.navis.com