

## Monitoring

# Shaft Power Efficiency Analysing Tool

LEMAG<sup>®</sup>

# SPEAT

Monitor, evaluate and improve  
the operational performance.



## Product features

- Measures, records and monitors performance and navigational data
- Constant KPI visualisation to inform about energy efficiency
- Helps to reduce fuel consumption and emissions
- Data download and transfer function

# SPEAT

**The key element of the system is a state of the art maritime computer, recording data from various sources:**

- Shaftpower output and shaft RPM
- Ship's speed through water (STW)
- Ship's speed over ground (SOG)
- Fuel oil consumption of M/E, A/E and auxiliary boiler

**The LEMAG SPEAT software calculates and clearly represents the following KPI's:**

- Main engine specific fuel oil consumption (SFOC)
- Propulsion plant efficiency (fuel consumed on M/E vs. distance travelled)
- Propulsion efficiency (power used vs. distance travelled)
- Propeller slip (percent)
- Total efficiency (fuel consumed vs. distance travelled)

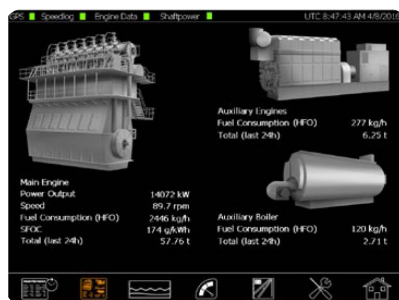
## LEMAG SPEAT

Saves collected data for a trend visualisation where the key parameters are shown graphically. The data will be stored in the system which allows easy data transfer for further performance analysis on shore.

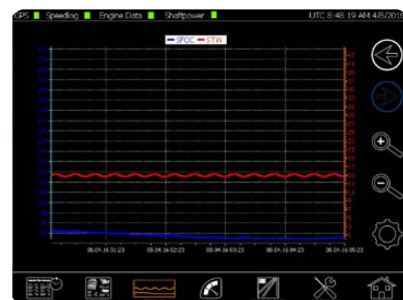
The system can additionally be equipped with an optional remote display which is dimmable and fully approved for bridge installation.



**Noon-to-noon report**



**Data**



**Trend**



**KPI**



**Propeller curve**