



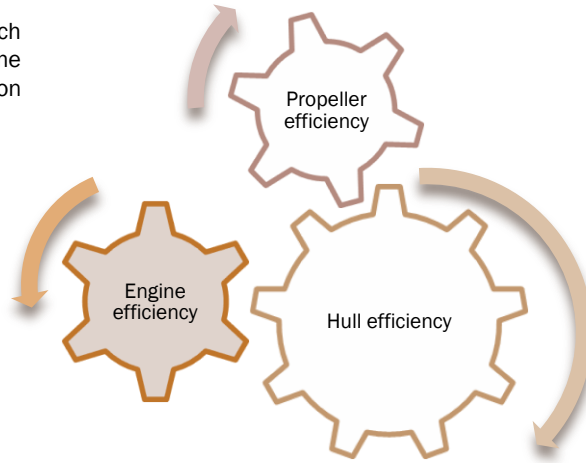
Torquemeter

The Consmeter++ is a torquemeter which provides accurate and real-time performance of the marine propulsion system.

The displayed data available are :

- Torque
- Power
- RPM

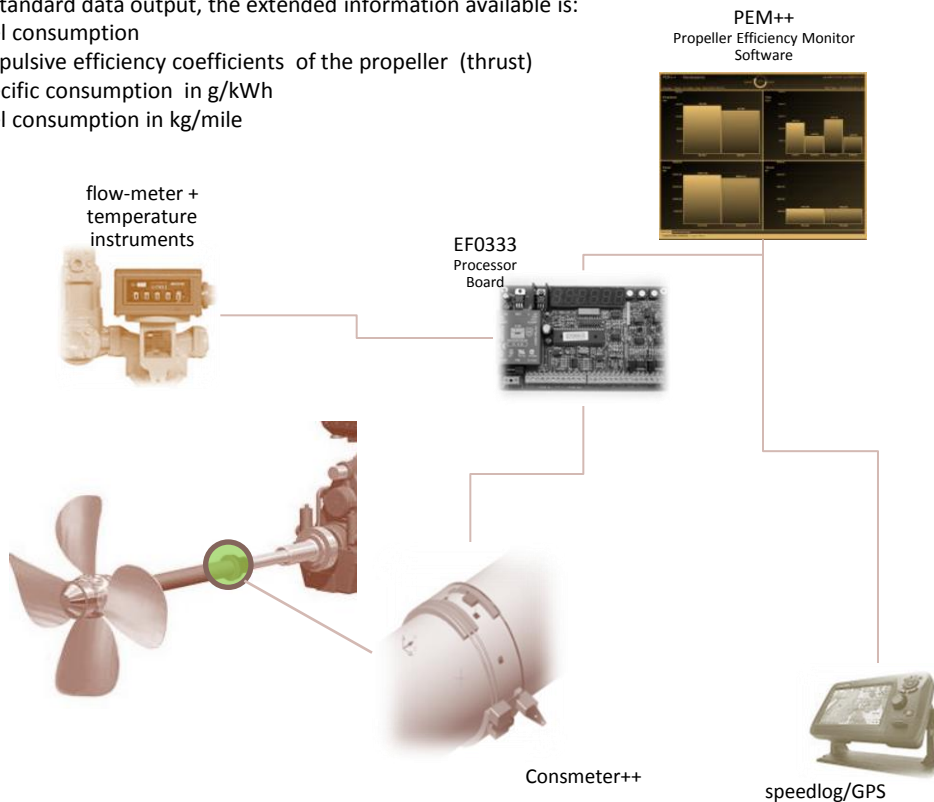
This instrument forms the basis for the determination of ship efficiency.



Consmeter++ extensions.

The system can be extended with the measurement of the fuel consumption and its temperature, the determination of the thrust and the acquisition of the data of the speedlog/GPS. In addition to the standard data output, the extended information available is:

- Fuel consumption
- Propulsive efficiency coefficients of the propeller (thrust)
- Specific consumption in g/kWh
- Fuel consumption in kg/mile



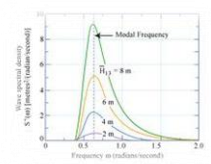
Sea State Considerations



The calculated consumption data is not sufficient to determine the propulsive efficiency of the ship. It is necessary to correlate the calculated parameters with the ship's trim and the environmental conditions (weather and sea state). With the knowledge of the sea state encountered during navigation, it is possible to calculate a corrective factor which allows comparison of collected propeller efficiency data in different operating conditions.



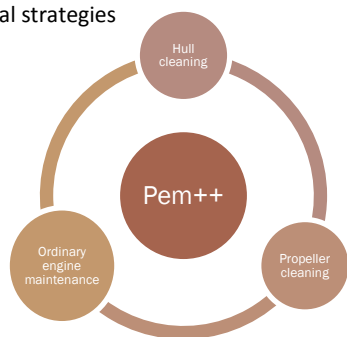
Wageningen Curve



Our solution



The purpose of FleetSurvey++ is to gather propulsive efficiency of a fleet of ships, to facilitate planned maintenance and define new operational strategies



flow-meter + temperature instruments

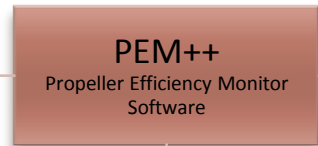


Consmeter++



EF0333 Processor Board

SMTP Protocol (e-mail)



- Analysis Exhaust Gas Emissions:
- 1) Emission of nitrogen oxide (NOx)
 - 2) Issue sulfur dioxide (SOx)
 - 3) Emission carbon dioxide (CO2)
 - 4) Calculation of grams of CO2 per kWh

