





# **SHIPPING**

Measurement Management & Treatment Performance Monitoring





#### **MONITORING SYSTEMS**

Our advanced onboard monitoring systems, RMS (Remote Monitoring System) and FPS (Fuel Performance System) can track fuel consumption and provide valuable data that can be analyzed to identify inefficiencies and optimize performance.



#### **HIGHLY ACCURATE FLOWMETERS**

#### Coriolis Meter AOM-CM

Gravimetric flow measurement in kg/h or t/h with highest accuracy for a flow range of a few kg/h up to 540 000 kg/h.



#### **DOMINO**

Flow measurement for a large number of industrial liquids, including Methanol and all future upcoming alternative marine fuels, such as liquid ammonia.

#### CONTOIL type VFZII, VZO

Available in sizes from DN15 to 50. Accuracy as good as 0.1% for all highly accurate differential fuel flow measurements on ME/AE, boilers, generators and

various combustion engines.

#### **GREENBLEND**

GreenBLEND is used for safe automatic fuel change-over processes or permanently controlled fuel blending of different types of fuels. When utilized to blend certified biofuel with fossil fuel, it enhances the CII-rating and cuts down on costs for EU-ETS allowances.



### CONTOIL type DFM, VZO,

Available in sizes from DN4 to 12 for direct and/or differential measurement on all diesel fuel applications, diesel generators, small boats and burners.

VZD. VZP

#### **HOMOGENIZER**

Prevents sludge buildup, filter blockages, and deposits on engine components and turbochargers. Additionally, it enhances fuel stability during transitions between fossil fuels and biofuels, thereby improving combustion quality and reducing emissions.

#### VISCOSITY CONTROL SYSTEM

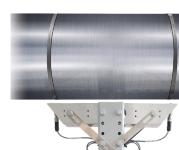
Optimize combustion efficiency and fuel consumption with Aquametro's Viscosity Control System (VCS), consisting of a Viscomaster viscosity / temperature sensor, a VCS pipe adapter, a viscosity controller and a VCS motor control valve.





### **SHAFT POWER METER SPM/ SHAPOLI DISPLAY**

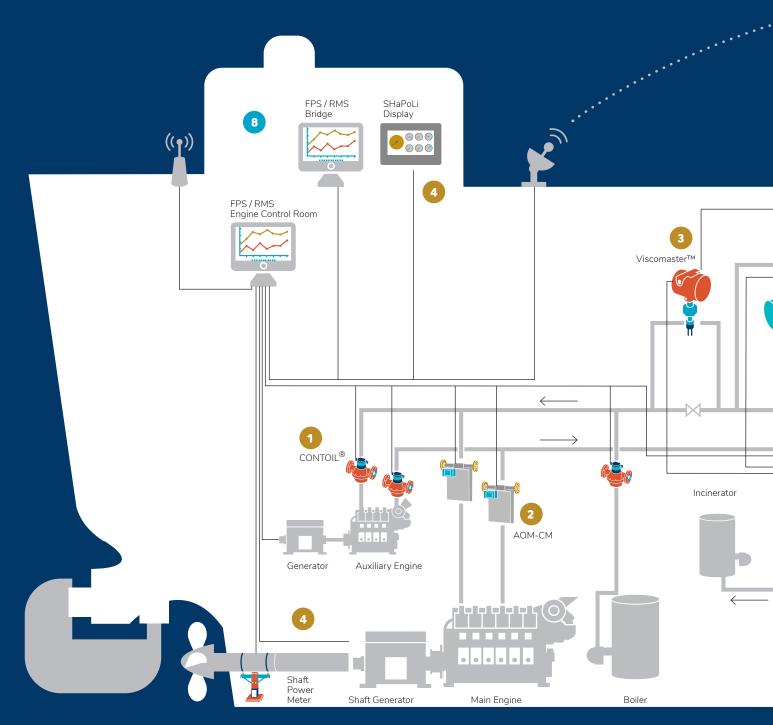
The Shaft Power Meter is the key component for measuring ship performance and fuel / propulsion efficiency. It is the cost-effective solution when reliable shaft power measurement and monitoring of shaft power limitation (SHaPoLi) is required.





## Aquametro solutions to measure, monitor

- » Measure performance and fuel consumption on any type of vessel
- » Our modular designed solutions ensure that you can easily combine and extend your applications with our subsystems

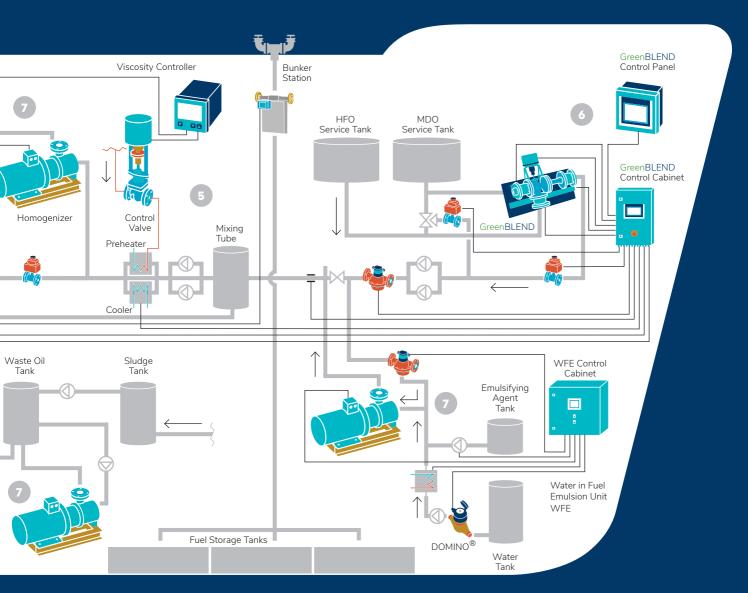


## **MEASUREMENT**

- 1 CONTOIL®
  Fuel oil meters
  - > Precision flow meters
  - Integrated temperatur sensor
  - Mass signal output
- 2 AOM-CM Coriolis Meter
  - Torsion oscillator design assures stable and drift free measurement
  - Resilient to external noise and vibration
- **3** Viscomaster™ Sensor
  - Accurate viscosity measurement for perfect combustion
  - » Minimum maintenance
  - Easy retrofit
- 4 Shaft Power Meter (SPM) & SHaPoLi
  - Torque measurement
  - > Propulsion efficiency
  - SHaPoLi shaft power limitation
  - DNV type approved

## and optimize vessel performance





## MANAGEMENT & TREATMENT

- 5 Viscosity Control System
  - Accurate viscosity control for perfect combustion
  - » Minimum maintenance
  - > Easy retrofit

- 6 GreenBLEND
- Automated changeover and / or blending system
- DNV type approved
- Complete fuel management system

## 7 Homogenizer & WFE

- Prevents sludge and filter clogging
- Helps to reduce wear and tear
- >> Reduces deposits in engine hot parts

## PERFORMANCE MONITORING

- 8 Fuel Performance System (FPS) / Remote Monitoring System (RMS)
  - > Fuel efficiency
  - >> CO<sub>2</sub> emission reporting
  - >> Trends, analysis, reporting
  - >> KPI's free to configure

