

Salwico Environment



When Safety Matters

Salwico G1000 Opacity Monitor
Opacity Meter & Emission control

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Visible smoke emissions from the ships funnel, emitted from combustion by diesel engines, incinerators, and boilers are often the most appalling sight in ports.

The G1000 opacity monitor has been installed in +1.000 vessels of all types during the past years. Land based applications occurs as well.



The G1000 is a particular robust system well suited to resist heat and vibrations in and around smoke stacks. The patented technology do not locate the light source inside the smoke stack, instead, the infrared LED is placed in the monitor cabinet and the light beam brought to the smoke stack via robust optic fibres. The lenses of the optic heads are kept clean with purge air.

Quite evidently, this method reduces maintenance and need of spare parts to a bare minimum. This invention was the first to make use of this design, sincerely appreciated by our customers.

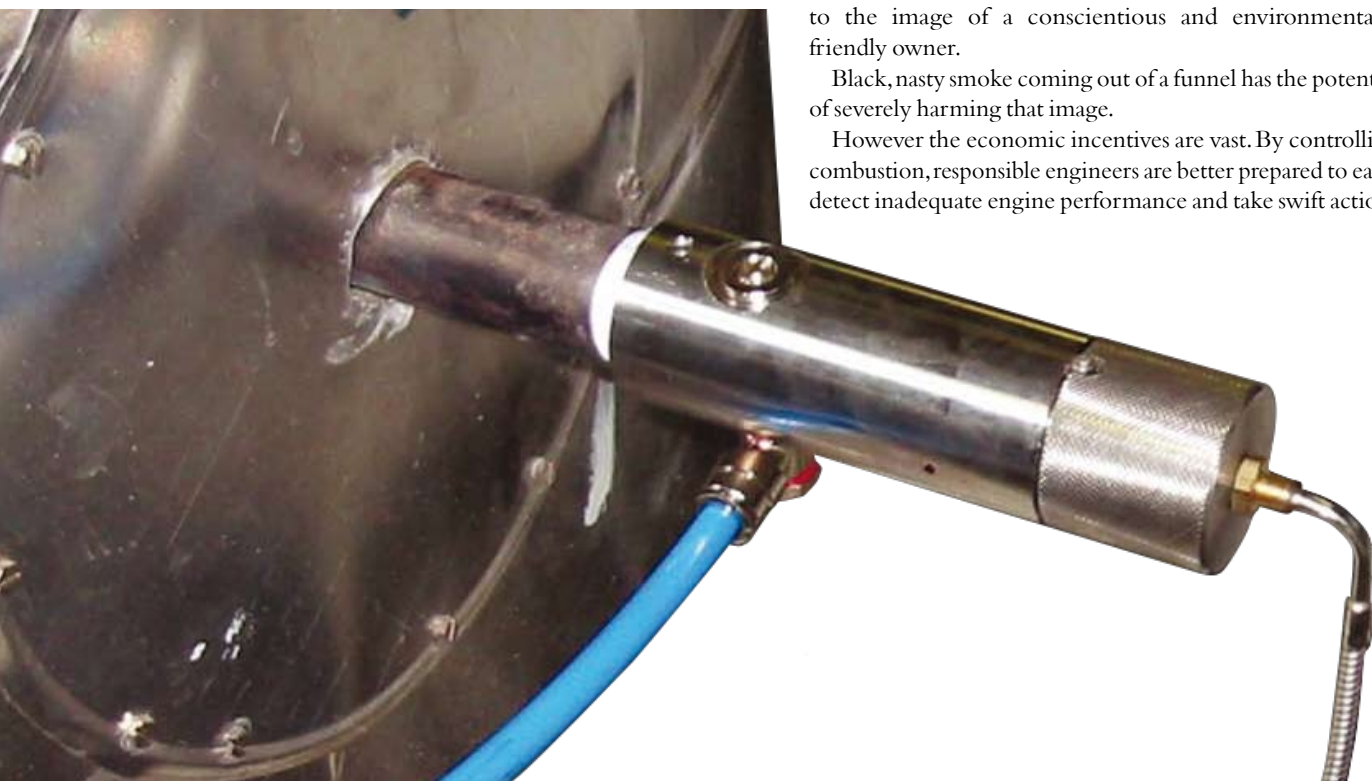
Port and regional authorities, in North America in particular, becoming more and more keen on regulating emissions from ships. Although legislation vary, a typical rule is ships emissions may not emit smoke with a 20% opacity for more than 3 minutes.

The G1000 Smoke Density Monitor check and log compliance with environmental standards, which will minimize fines, time consuming investigations and embarrassing delays.

The installation cost of a G1000 is often less than a single fine and a consistent monitoring of emissions will contribute to the image of a conscientious and environmentally friendly owner.

Black, nasty smoke coming out of a funnel has the potential of severely harming that image.

However the economic incentives are vast. By controlling combustion, responsible engineers are better prepared to early detect inadequate engine performance and take swift action.





Benefits of Economy and Environment

KEY FEATURES

- Avoid appalling black smoke
- Avoid investigations, fines, and delays
- Documentation compliant with Visible Smoke Control Area regulation
- Optimization of combustion.
- In-situ and real-time measurement
- Durable and robust design
- Temperature and vibration resistant optic heads
- Two freely configurable alarm relays
- Analogue output signal (4...20 mA or 0...10V)
- Cost effective
- Easy to install – easy to configure
- Low maintenance
- Worldwide customer support via the Consilium service network

Consilium worldwide



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