

Continuous Emission Monitoring System by OPSIS

We can provide you with advanced OPSIS M800 System for continuous emission monitoring based on a non-contact, optical method. Using an optical multiplexer, one analyzer can operate several measurement paths, making the system very cost efficient and easy to maintain.

Measures all relevant gases

The OPSIS M800 System measures all relevant gases such as NO, NO₂, SO₂, CO₂, CO, NH₃ and CH₄ with just one analyzer. Fully integrated monitoring of Particulate Matter (PM) and/or opacity is optional. Updating the system to more gases is performed by a simple software upgrade.

Perfect for harsh marine environments

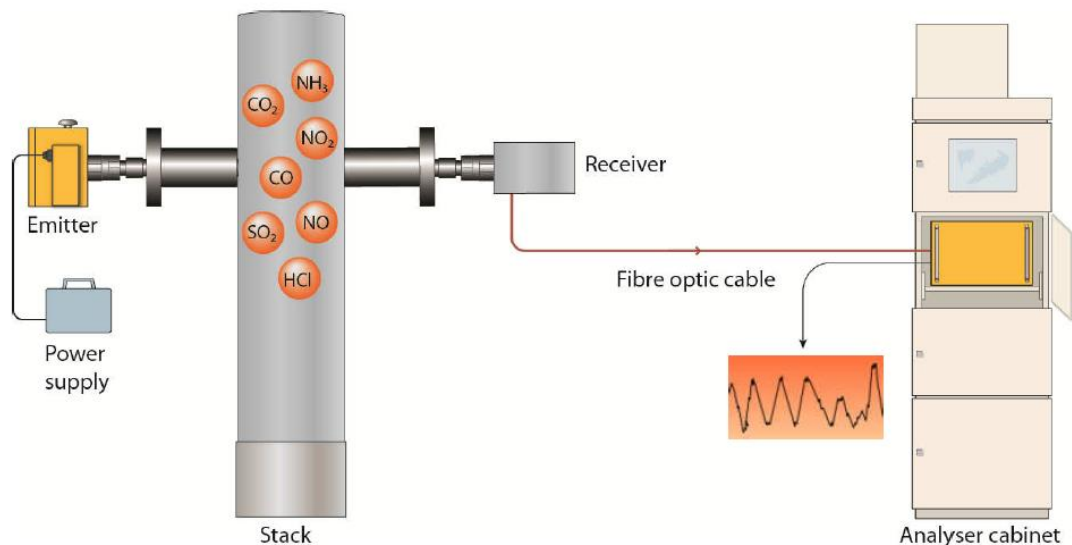
The system is based on the OPSIS UV/IR DOAS system, which is free from interference from all gases including water. It can be installed in all applications no matter of conditions such as high dust, high temperature or sticky gas.

No sampling - no contact with the gas!

The optical cross stack method makes the system perfect for the harsh environment after a scrubber, as it doesn't need any contact with the gas. No sampling at all is involved!

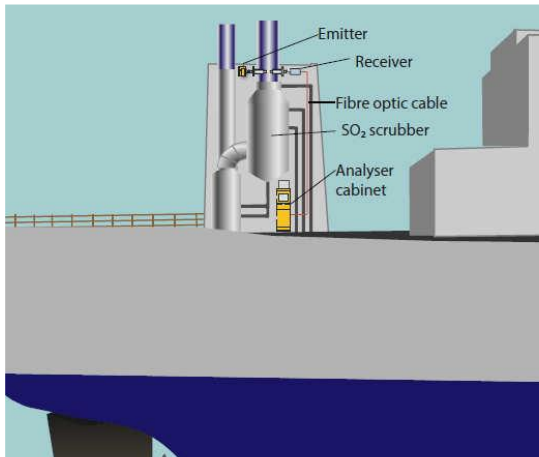
Low maintenance

The optical multiplexer enables monitoring of all scrubbers on the entire ship with just one analyzer. Combined with the non-contact method this ensures very few spare parts and the lowest maintenance possible, making the OPSIS M800 a very cost-efficient system with a low lifetime cost.



Opsis monitoring systems have been tested and approved by a number of internationally recognized institutes and authorities, such as German TÜV and British MCERTS. Consilium's Opsis M800 is DNV certified and fully complies with U.S. EPA. Full details are available on request.

OPSIS M800 System For SO₂ scrubbers on ships



- No contact with gases (sample free)
- One Analyzer for multiple stacks
- Long lifetime
- No heated cable needed
- Reliable with Low maintenance
- Easy installation
- Internationally tested and approved
- Experienced service network worldwide

Worldwide service network

As the world's leading supplier of safety solutions in the marine market, Consilium has performed countless installations on operating ships and vessels. All installations and service work are well taken care of by the worldwide service network, owned and operated by Consilium.

References

Consilium has delivered continuous emission monitoring systems to about 40 ships and vessels over the world. Our most recent installation of the Opsis M800 system was on the Liberty of the Seas.

The Opsis M800 System solution on the Liberty of the Seas includes:

- Measuring CO₂, SO₂
- Web interface
- Real time data