

Exhaust Gas Cleaning System for Marine Vessels (EGCS)

SOx scrubber

Original cyclone technology,
50% smaller than conventional products

- ✓ World's smallest, compact design for easy installation on board.
- ✓ Faster construction by delivering the finished product.
- ✓ Simplifies maintenance work; only cleaning of the main unit required.



Compactness and lightweight realized by cyclone

SaveBlue
Save the blue sky, save the blue ocean,
save the blue Earth

Our unique cyclone system achieves high desulfurization of more than 98%. Maintenance is simple and requires only cleaning, with no need for periodic parts replacement.

Introduction video
for SOx scrubber

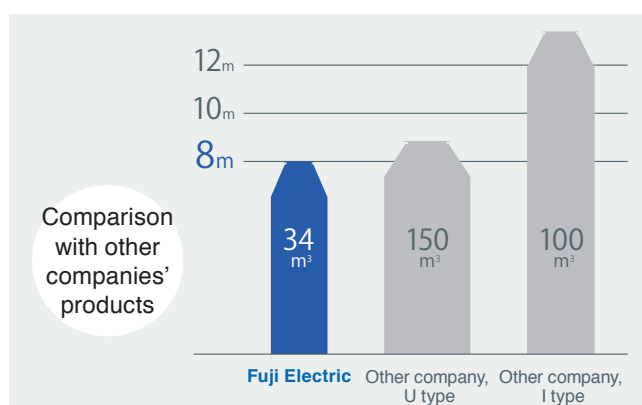


Scrubber features

World's smallest, compact design for easy installation on board

The scrubber itself is the world's smallest*, almost half the size of conventional models. It can be easily installed on existing vessels as well as on new vessels.

*As of 2020 for 10MW class, according to our own research.



Faster construction by delivering the finished product

Our scrubbers, compact and lightweight, will be delivered fully assembled. Without on-site assembly, construction period can be shortened. Their compactness facilitates transportation by trailer.



Scrubber Design



Size	Capacity	Gas Volume		Diameter (D)	Height (H)	Approximate Weight
S	to 9 MW	to 18 kg/s	to 49850 CMH	2.0 m	6.0 m	3.0 ton
M	to 12 MW	to 25 kg/s	to 69230 CMH	2.3 m	8.0 m	4.5 ton
L	to 16 MW	to 36 kg/s	to 99700 CMH	2.7 m	9.0 m	6.5 ton
2L	to 20 MW	to 44 kg/s	to 121850 CMH	2.7 m	11.5 m	9.0 ton
XL	to 24 MW	to 57 kg/s	to 157856 CMH	3.1 m	14.0 m	11.0 ton

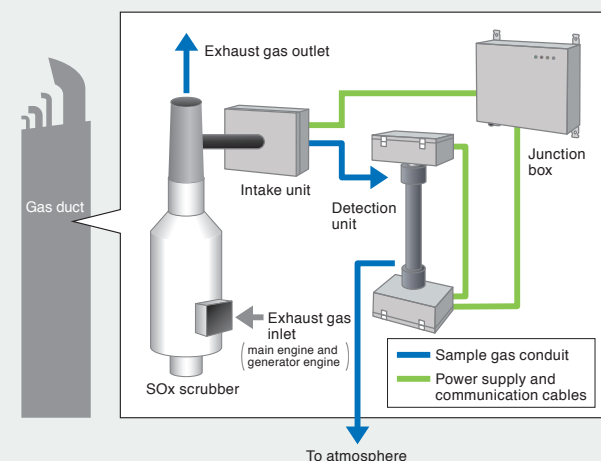
Gas analyzer (SO₂/CO₂)

Significantly easier to install (compared to conventional models)

■ Laser gas analyzer for marine vessel scrubber (SO₂/CO₂)

Fuji Electric's laser gas analyzer for marine scrubber is almost 1/10th the size and weight of infrared gas analyzers. It can be easily installed in a narrow space on board. In addition, with a calibration cycle of only once a year, maintenance and running costs are reduced.

System configuration

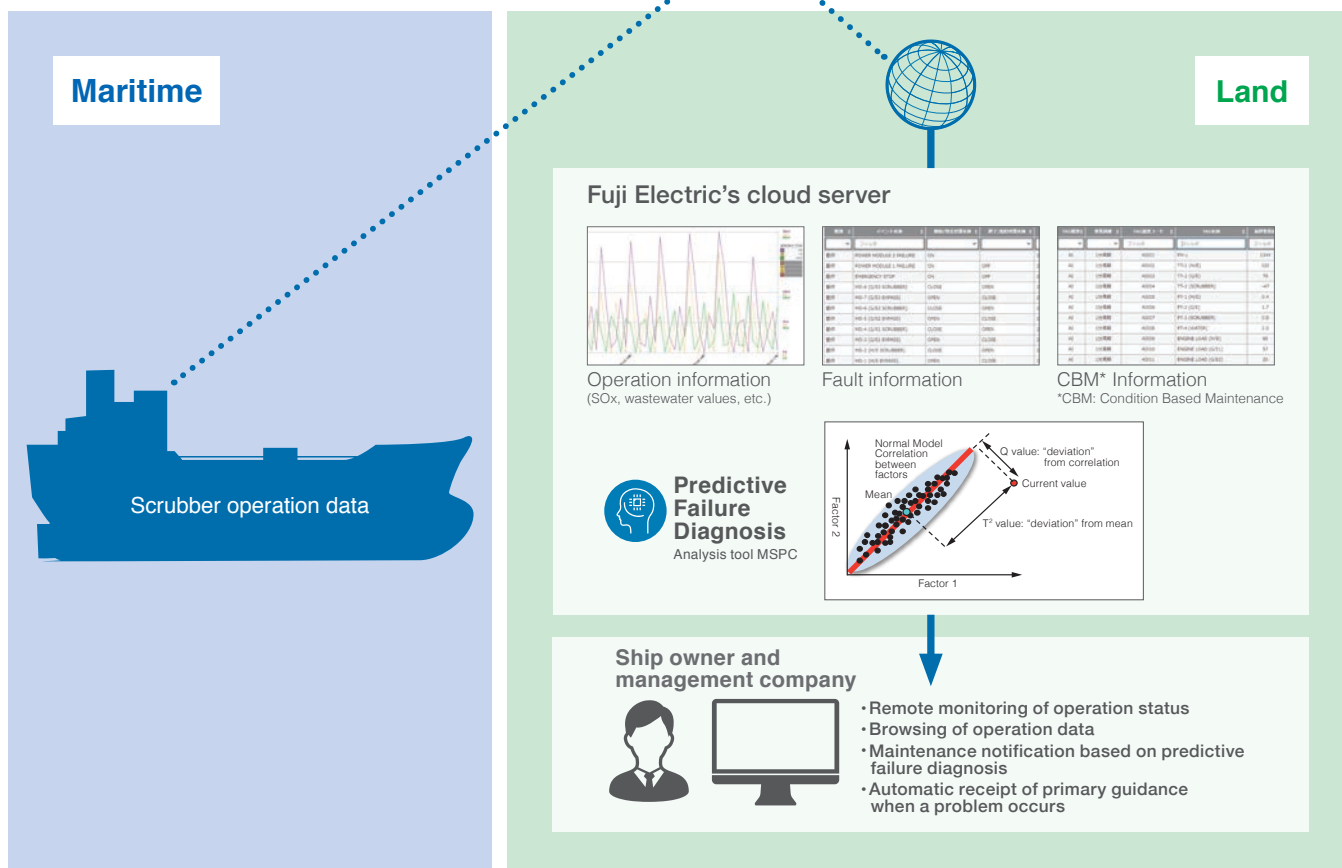


Option

EGCS status monitoring through automatic data collection

■ Remote monitoring system

- Automatic transmission of error data in case of trouble
- Automatic acquisition of first-response guidance



Test bench installed permanently in our plant, which is ideal for training

A test bench equipped with the same exhaust gas and water quality meters and control panel as those used onboard is permanently installed in our Chiba Plant. It can also be used for training of mariners (option, for a fee).



Domestic and overseas service bases



Official social media accounts



Linkedin



Facebook



YouTube

Subsidiary program of
Nippon Foundation



Fuji Electric Co., Ltd.

Gate City Ohsaki, East Tower, 11-2, Osaki 1-chome, Shinagawa-ku, Tokyo 141-0032, Japan
Overseas Sales Div.
Phone : +81-3-5435-7062