

ecoFIT

Emission control

Brittany Ferries installs ecoFIT for gas scrubber

Corrosion-free and flexible solution for piping retro-fit help to reduce emissions from marine engines.



Successful scrubber project

The increasing attention to the environmental issue has impacted the shipbuilding industry. A progressive reduction of SOx and NOx emission from marine engines is foreseen between now and 2025. Mandatory energy measures have been adopted, the ECA Emission Control Area defined the area where the recent and more stringent emission limit are in place.

In order to comply with ECA regulations, ships have to burn low sulphur fuel or improve the process by passing through an air cleaning system. FGD (flue gas desulphurisation) is quite common a process on coal fuel power plant, to implement this onboard ships would require some challenges to be met, such as weight and close proximity of space.

Project Background

Scrubber maker companies have highest requirements on product quality and process safety. Compliance with international standards as e.g. IMO (International Maritime Organization) is a must. The limited space and the harsh environment onboard make the installation complex and challenging. Suppliers therefore on the one hand have to deliver high quality equipment and on the other hand to follow the stringent regulations concerning manufacturing, onsite specialized training, class approved material and documentation. Our plastic products for shipbuilding help our customers to meet these high requirements whilst simplifying their internal proceedings as much as possible.



Chosen technical solution

Brittany relies on GF Piping Systems' ecoFIT, piping systems because of their proven corrosion resistance, and weight. The system is simple to install reducing prefabrication costs for the customer.

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System and product selection

- ecoFIT / ELGEF pipes, fittings and saddle
- 546 Ball Valve / 567 Butterfly valve
- Signet measurement and control



Main benefits for the customer

- **Corrosion proof piping system for scrubber**
- **Swiss high quality make it easy to install**
- **Lower weight**
- **Qualified installer**

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