

Chantiers de l'Atlantique participated to the installation of the 6 particulate filters on the « Piana » ferry of La Méridionale

From November 11th to December 16th, 2021, the company La Méridionale took advantage of a regulatory technical stop of the ferry Piana in Santander (Spain) to equip it with dry particulate filters.

The 3 first prototypes of particulate filters were installed in 2019 with Chantiers de l'Atlantique in charge of engineering and integration supervision support, they demonstrated their ability to treat sulfur oxides and particulate matters.

After this conclusive test, the shipowner decided to make the system permanent on all the ship's engines, with the additional installation of 3 innovative particulate filters.

La Méridionale has renewed its confidence in the Services BU (Business Unit) of Chantiers de l'Atlantique to carry out the general and detailed engineering for the installation of these dry scrubbers and to support their integration on board the Piana at the shipyard Astilleros de Santander, S.A.U. ("ASTANDER").

This system, based on an existing concept in service ashore, can neutralize acid gases and assure the fixation of ultrafine particulates. To achieve this, bicarbonate is injected into the exhaust gas. It reacts with the sulfur oxides by neutralizing them and ends up in the filters through which the exhaust gas are led to and from which the particulates and heavy metals are captured to nearly 99%.

Technical characteristics of the Piana

- Delivery: 2011
- Length: 180m
- Width: 30,5m
- Gauge: 42.180 GT
- Deadweight: 11.300 tons
- Speed : 27 knots

Serving Marseille-Corsica, the ferry Piana has 200 cabins, is operated by 45 crew members, accommodates up to 750 passengers and has more than 2,500 linear meters of garages for vehicles.

About Services BU (Business Unit) of Chantiers de l'Atlantique

Part of Chantiers de l'Atlantique, whose know-how has been recognized worldwide for more than 160 years, the Services BU benefits from all the expertise and R&D resources of one of the shipbuilding world leaders. Its mission is to bring support to shipowners on all the seas of the world in all renovation or modernization operations of their fleets.

Thanks to its 7 local offices around the world and an important network of more than 500 suppliers, the Services BU ensures a presence as close as possible to shipowners and their vessels.

Energy performance optimization, jumboization, modification of propulsion systems, compliance with environmental standards, flow modeling, etc.: the Services BU meets all the technological challenges and supports shipowners from the project feasibility study to turnkey delivery.

Its recognized experience in the military and civil market, with the maintenance in operational condition of French naval vessels, gives Services BU a rigorous know-how and reputation for excellence.

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