ANDRITZ SeaSOx$_{dry}$ (DRY EXHAUST GAS DESULPHURIZATION SYSTEM)

ANDRITZ and SOLVAY sign first agreement with La Méridionale to remove SOx with a dry scrubber

A cooperation agreement was signed in Marseille on August 31, 2018, to install the first dry exhaust gas cleaning system worldwide on the "Piana" RoRo vessel. This solution uses Bicar® sodium bicarbonate as the absorbent and a pulse jet fabric filter for SOx and particulate removal. One main engine and one auxiliary engine will be routed to the filter system.
In addition to SOx removal in line with the upcoming sulphur regulations that enter into force in 2020, this new technology will reduce the particulate emission to lowest values. Furthermore, no wash water will be discharged into the sea.
ANDRITZ will be responsible for the design, engineering, and supply of the main equipment. SOLVAY is in charge of delivery of the sodium bicarbonate and discharge of the residues. LA MÉRIDIONALE is the owner of the vessel and responsible for the installation work on board.

KEY FACTS

Main engine:	9.6 MW (8L46F)
Auxiliary engine:	1.26 MW
HFO:	1.5 to 3.5% S
Sulphur clean gas value:	≤ 4.3 ppm SO2 / %CO2
Total particulate emission:	< 5 mg/Nm^{3}dry
Fine particulate removal:	60% for d = 0.4 µm
Installation date:	March 2019

SOLVAY

La Méridionale

ANDRITZ