



## Next successful commissioning of a hybrid scrubber at Chengxi shipyard

In challenging times, ANDRITZ has succeeded in completing deliveries and start-up of the hybrid SeaSOx scrubber system for "Dole Aztec" on time. The vessel, which was built by Chengxi shipyards, sailed on schedule in April 2021. Dole Aztec, the sister vessel of Dole Maya, is the second multi-inlet hybrid scrubber to be supplied within a short time for the Dole Food Company.

### Vessel particulars:

Length, overall:	195.00 m
Breadth (mld):	32.20 m
Depth (mld):	17.00 m
Scantling draught (mld):	11.50 m

The Dole Aztec is a reefer container ship and currently sails under the flag of the Bahamas.

ANDRITZ was responsible for design and supply of the hybrid SeaSOx scrubber system, including the multi-inlet scrubber with a diameter of 4.1 m and an overall footprint of approx. 7.1 x 4.1 m, as well as the pumps, separator, and heat exchangers. Valves, dampers, filters, an NaOH dosing skid, CEMS and automation were also provided.



Besides the above-mentioned deliveries, ANDRITZ AG also dealt with environmental compliance certification under the supervision of the DNV classification society. Following the successful sea trial, the required IAPP certificate was issued. The ANDRITZ AG SeaSOx system will treat the exhaust gas from one main engine and four auxiliary engines to fulfill the MARPOL requirements.

With Dole Maya and Dole Aztec, an ANDRITZ hybrid scrubber has now been installed on both new vessels operated by the Dole Food Company.



Page: 2 (total 2)

The Dole Aztec scrubber project was the successful result of international collaboration within the ANDRITZ Group. The equipment was engineered and designed in Austria and manufactured at ANDRITZ's own production facility in China.

In addition to cleaning the exhaust gases, the SeaSOx system treats the discharged water from the engine's EGR (exhaust gas recirculation) system. This makes it easier for the ship operator to meet the legislation requirements for EGR wash water.