



Saft Seanergy® energy storage systems are now approved by the Norwegian Maritime Authority

Approval to new NMA standards opens up major opportunities for Saft Super-Phosphate® lithium-ion energy storage technology in marine propulsion applications.

Paris, October 19, 2016 – Saft has obtained approval of its Seanergy® marine energy storage system by the Norwegian Maritime Authority (NMA) for use in a variety of hybrid and fully electric propulsion applications. Saft is the only manufacturer of marine lithium-ion (Li-ion) batteries to use the Li-ion Super-Phosphate® (SLFP) chemistry which offers the highest levels of safety, performance and reliability.

The approval process was based on simulated thermal runaway tests carried out on the Seanergy® systems by an independent laboratory in August 2016. During the propagation test 1, a cell was forced into a thermal runaway situation by a specific device inserted inside the cell. The test was performed three times. Thanks to the Super-phosphate® chemistry, the batteries passed the test on each occasion with no uncontrolled event, no fire and no explosion, with nearby cells remaining in a safe condition and no propagation to neighboring modules and without any active means of fire suppression.

“The NMA approval is a major step for Saft Marine systems, it is a key recognition of our Li-ion Super-Phosphate® (SLFP) chemistry, which offers a very high level of safety” said Didier Jouffroy, marine product manager. *“Saft’s marine battery technology has been adopted by some of the world’s most innovative and prestigious vessels for applications where environmental performance, safety and cost efficiency are essential.”*



About the Norwegian Maritime Authority

The Norwegian Maritime Authority is the administrative and supervisory authority in matters related to safety of life, health, material values and the environment on vessels sailing with the Norwegian flag and foreign ships in Norwegian waters.

www.sdir.no

About Saft

Saft specializes in advanced technology battery solutions for industry, from the design and development to the production, customization and service provision. For nearly 100 years, Saft's longer-lasting batteries and systems have provided critical safety applications, back-up power and propulsion for our customers. Our innovative, safe and reliable technology delivers high performance in space, at sea, in the air and on land. Saft is powering industry and smarter cities, while providing critical back-up functionality in remote and harsh environments from the Arctic Circle to the Sahara desert.

Designed for industry. www.saftbatteries.com



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