

SAFE SKIPPER

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Key words

Sensors / instrumentation / electronics - Software engineering / development

Description

SAFE SKIPPER is **an intelligent ship stability management system that facilitates storage operations in fishing trawlers**. SAFE SKIPPER prevents risky situations due to lack of stability of the ship, whether due to overload or incorrect storage, providing vital information in order to avoid endangering the ship or crew.

Starting from the hull of the ship, its hydrostatic characteristics and its weight distributions, SAFE SKIPPER analyzes the equilibrium conditions and the stability and risk levels of a given load condition and display them in a clear and intuitive manner through an interactive graphical interface. As the user introduces the different elements that make up de load situation, the system graphically displays the corresponding balance and trim as well as the maximum safe wave height for these load conditions. When the ship is not stable or the equilibrium situation surpasses the minimum freeboard, SAFE SKIPPER displays clear and unequivocal warning messages for the skipper to be able to correct the positioning of the load.

It presents a “pre-commercial” degree of development and it is registered in the Software Register of Spain (code: 03/2010/1348).



Applicability of Technology to Maritime SMES

Excellent potential for the fishing and shipping sectors.