KAMINCO News

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KINEI TH NAYTIAIA

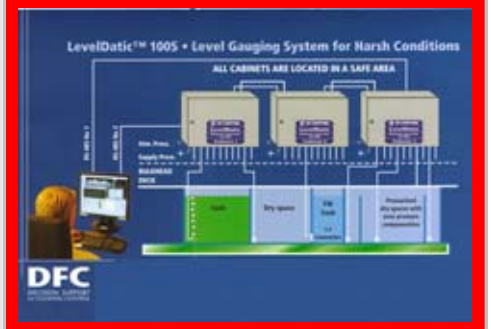
Tuesday, November 09, 2004

DFC System- DECISION SUPPORT for FLOODING CONTROL

Onboard Napa - SF Control

As required by the IMO, all passenger ships must be equipped with a Decision Support System, which should encompass contingency plans for all foreseeable emergency situations in case of damage to the ship.

Our proposed DFC concept goes beyond the mandatory requirements of IMO. It is an integrated **DECISION SUPPORT for FLOODING CONTROL** system that helps with the difficult task of evaluating which counter-measures should be taken in a distress situation. This is accomplished by giving the possibility to ship's Officers to be trained, simulating possible courses of immediate action in various cases of damage.

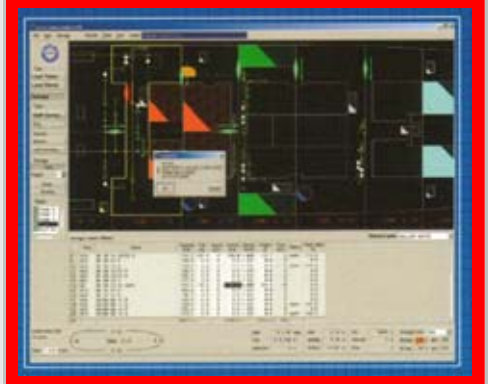


DFC is an on-line interfacing of the dynamic floating position together with on-line tank and void spaces in case of flooding. This means that **DFC** monitors simultaneously all data, which characterize the hydrodynamic condition of the vessel on every moment, which it feeds to a powerful Onboard NAPA computer.

In case of flooding, the integrated **DFC** System identifies the location and quantity of floodwater, and performs a continuous time- domain prediction, based on the measured flooding rates and the corresponding real floating position.

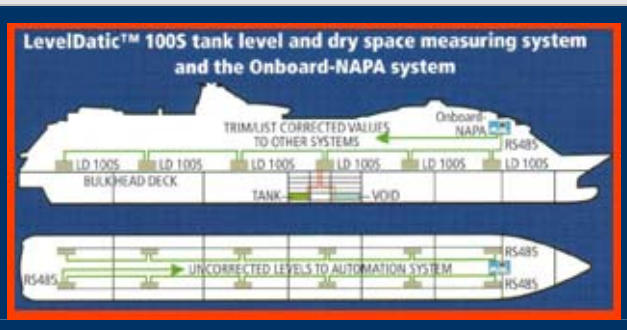
Onboard-NAPA Ltd is one of the leading- companies in the world offering a high quality software system for Loading Calculations, Damage Stability and Performance Prediction.

DFC is an integration of **Onboard NAPA Ltd** loading computer and **SF CONTROL** electro-pneumatic, tank level gauging, dynamic floating position and drought measurement system including the Water Ingress Detection System for dry compartments and void space, which is the most important part of the system. The incorporated monitoring of sub-systems critical to watertight integrity, such as important valves and doors, gives an unbeatable package of **DECISION SUPPORT and FLOODING CONTROL** for passenger and naval vessels.



SF Control system is operating trouble free, on more than 900 vessels the last 15 years, from which about 400 are of Greek interest.

The basic ship design programs of **NAPA-OY** are used today by the biggest shipyards worldwide, including Elefsis Shipyards and the Technical University of Athens.



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