

# **Innovation for marine industry**

20 Augustos 2010

JLMD Ecologic Group has designed and holds the patent for the Fast Oil Recovery System (FOR).

Quite often current news bring on the spot examples of incidents and particular situations involving ships at sea with dramatic consequences for the shipping industry the shipowners the economy of the country and the global marine environment.

In all those cases we always can find the common basic and current elements of the drama, the existence onboard of the ships oily pollutants (cargo or bunker) trapped on the ship's tank and the high risk of oil spill or leakage due to the inevitable accident at sea.

The complexity of modern shipbuilding industry regulations trying to reduce the risks in case of accidents (double hull, segregation of tanks and locating them in areas of difficult accessibility) make more complex and difficult in case of accident the recovery of the oil remained trapped inside the tanks of the ships.

In case of possible malfunctioning of some components like the charging & discharging valves, pumps or even in case of collision or breach of the hull the efforts will focus on obtaining good, fast and secured access to reach the tanks and recover the pollutant remaining inside avoiding thus the risks of oil spills.

The Fast Oil Recovery System: Innovation for a sustainable marine industry

The FOR system is an pro active technology easy to install in any kind of ships either during newbuilding phase or in retrofit with a low investment for the shipyard or the owner facilitating the accessibility to tanks and consequently the recovery operations of the oil pollutants.

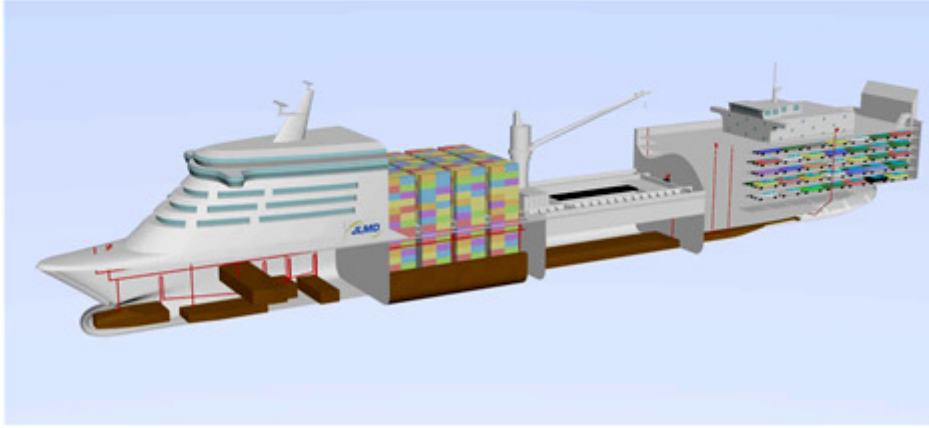
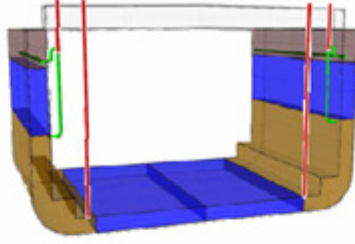
This technology designed and patent by the french group JLMD Ecologic Group leader in the Marine Passive Safety technologies sector aims to pre-equip the ship as a proactive safety policy with an assembly of dedicated recovery circuits and connectors facilitating either by submerged pumps or by water cushion process principle the oil recovery operations.

Thanks to this technology the oil pollutants are recovered in a simple, faster and secured way reducing the time of operations, the costs of operations involved and mitigating drastically the consequences of such incidents at sea.

Shipowner, managers, and freighters can be protected from the dramatic consequences of such type of accident involving huge costs and reputation for shipowners. The FOR system has been supported by P&I clubs, Class societies, salvage companies, and government and no-government institutions and international well known shipowner and shipyards have trust the system installing a FOR system from JLMD E. Group in all kind of ships bulkers, tankers, chemicals, containers ships.

The latest giant containers ships delivered by Hyundai shipyard to CMA CGM (Andromeda, Leo, Corte Real etc ) are equipped with a FOR system and The Class.Society Bureau Veritas has established a new Class Notation "Clean Ship " Rule note 533 for the ships equipped with a FOR system.

The FOR system of JLMD E.Group is an innovative technology serving the interests of the whole community of the marine industry for a modern, and sustainable seaborne marine transportation and the preservation of the sea global environment.



For more information please visit [www.jlmdsystem.com](http://www.jlmdsystem.com)  
[www.turkishmaritime.com.tr](http://www.turkishmaritime.com.tr)

[http://www.turkishmaritime.com.tr/news\\_detail.php?id=7547&uniq\\_id=1283690788](http://www.turkishmaritime.com.tr/news_detail.php?id=7547&uniq_id=1283690788)