

## Marine Quality Kit on Fjell seafastening

2010, second quarter  
Release date: 13/04/2010

On March 9th 2010 the Fairstar Fjell left Shenzhen (China) to head for its last stop in Singapore before its final destination off the coast of Denmark at the Halfdan field. HMC designed the seafastening and provided transport engineering works for this trip and supervised the actual execution of loading operations.

Besides that, and maybe most remarkable is the Marine Quality Kit (MQK) installed on the seafastening during this trip. With a network of strategically placed sensors HMC is able to gather data concerning strain forces and fatigue data during this trip. HMC plans to use this information to learn about and innovate on the actual process of designing sea structures and ships.



“With a network of strategically placed sensors HMC is able to gather data concerning strain forces and fatigue data”

[More Details](#)

## CPC Deliveries

CPC, HMC's Cargo Planning and Loading Computer has been delivered to the following ships last quarter:

### Abis Albufeira



### Abis Belfast



All CPC deliveries are complemented with a service contract resulting in a direct upgrade to CPC NG upon release.

[More Details](#)

## HMC's solution to enhance 'green shipping'

Article as published in Holland Shipbuilding magazine

Besides its core competences, HMC's innovative products are perfectly applicable for improving on and complying with the latest IMO regulations concerning environmental and safety issues.

### WorksPlan

To acquire a 'green passport' a ship has to document all potentially hazardous materials accompanying the ship throughout its life. An inventory is needed where changes can be made during the ships lifetime. HMC's WorksPlan is just the kind of software such a ship needs. WorksPlan software enables onboard scheduling and planning of maintenance and safety training activities and keeps up an inventory of spare parts aboard a ship. Integrated in this system is the ability to keep up a record of hazardous materials on the vessel. Being easy to operate, pure in functionality and efficiency, WorksPlan embodies the software solution needed to acquire and maintain a 'green passport'.

### DockPlan

During environmentally friendly ship breaking activities waste processes need to be documented, planned and an inventory of process and transport licenses needs to be maintained. HMC's DockPlan software is able to do just that. Complying with the IMO recommendations regarding ship breaking, DockPlan is the piece of software suitable for managing the ship breaking process safely and environmentally friendly.

### Hullmos

In combination with CPC ship stability software, Hullmos is able to examine a ships stability and integrity during the disintegrating process of ship breaking. With this software module a safe process of ship-breaking can be assured. For example, CPC has been used to monitor the integrity and stability of the scrapping of the heavily polluted Sandrien to assure a safe and clean scrapping of the ship while moored alongside.

Article about HMC's support to environmental questions. Published in the Holland Shipbuilding magazine, February 2010. Vol. 59, No. 2

## Expanding our team

An experienced programmer annex chemical engineer joined the HMC engineering team to increase capacity on the development of HMC's next generation ship loading computer, CPC NG, which first delivery is planned in summer 2010.



HMC's CPC was used to safely scrap the polluted sandrien

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