Maritime Business Applications
Complete Solutions for the Maritime Industry

HMC
Maritime Business Applications

HMC develops new version of WorksPlan

Due to the increasing pressure for remaining competitive in the globalmarket place, inventory management is a major challenge for companies to reduce costs and to improve customer services.

Most of the regulations about inventory management concern quality and safety. Our MBA business unit can deliver the software package WorksPlan. 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'. HMC's vision is to provide the maritime and offshore support sectors with the best software possible. At the moment we are working on a new update for WorksPlan and we are convinced it will become one of the leading inventory management packages available for the global maritime industry. Our goal is to strengthen our innovative role by focusing on harnessing opportunities and solving challenges in the shipping industry. HMC's mission has always been to ensure that global innovation is put to use for the benefit of the entire maritime industry.
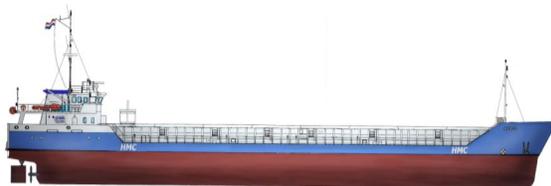
"WorksPlan: Inventory management could reduce costs"

Determining loads and fatigue on maritime structures (MQK)

Interaction with waves and wind results in cyclic mechanical loads on maritime structures. Even for mechanical loading far below the yield stress, cyclic loads can result in fatigue. A sufficient fatigue life therefore has to be guaranteed during the design of the structure. This requires accurate knowledge of the environmental load cycles.

During operation of the structure, measurements can be used to verify the remaining fatigue life. Such measurements should be performed at areas of maximum stress, as predicted in the design and simulation phase. By measuring both local strains and accelerations, the remaining fatigue life can be determined. This will assure that repairs are being performed before the fatigue damage results in material failure which also guarantees more safety for workers and the environment. Such measurements can be performed using either our Hull Monitoring System or our Marine Quality Kit system. These are both offered by HMC. These systems have been tested on ships and should be equally suitable to measure the fatigue life of platforms/rigs at sea. The MQK is the mobile version of our Hull Monitoring System. It consists of a mobile box containing an embedded computer, strain sensors and a multi-directional acceleration sensor. Using reversed engineering, the characteristics of the structure can be determined. At the end of the project it is possible to remove the kit.

"Measuring is Managing"

HMC notices an impressive growth in the sale of CPC 2.0

During the last months we have witnessed an impressive growth and success of HMC's loading instrument CPC 2.0. It seems that the maritime industry has seen the value that HMC's software could provide to shipping companies worldwide.

The latest version of our loading computer CPC 2.0 is the solution for class approved ship loading operations. Our Cargo Planning and Loading Computer (CPC 2.0) combines obliged stability and strength parameters and is one of the best solutions for class approved ship loading operations. CPC can be combined with Shipmo. This program takes the ship's characteristics and wave input to calculate accelerations and motions on the expected wave heights in the specified condition. These programs together could safe a lot of fuel. Another possibility is the combination with Hullform, a naval architecture tool for resistance calculations. When combining all these programs together, the simulations and the design process will be enhanced. HMC developed with CPC 2.0 a simple and intuitive application for shipping companies, owners and operators. We are convinced that our application is a huge contribution to the maritime industry. HMC believes that our innovative solutions can contribute greatly to the improved safety and efficiency of shipping companies and we are looking forward to see that our technologies are available worldwide. If you are interested and want to have more information about CPC 2.0, please visit our website or contact our office.

*"CPC 2.0: HMC's solution for class approved loading operations"*
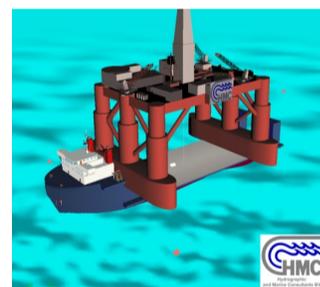
CrewPlan is the solution for your crew planning and administration

Every shipping company or affiliate company in the shipping industry has to cope with a difficult planning of crewing and personnel. We used our 30 years of experience in the industry to design CrewPlan to the specific needs of the shipping and offshore industry.

The new release of CrewPlan 6 has been developed in co-operation with our customers. The program is written for Windows and visualize schedules with a timespan of about 4 years. You are able to print these schedules for each function, ship or crewmember. Certificates and medical tests are monitored and therefore manning requirements can easily be met. CrewPlan is used to store data on courses, working periods of crewmembers and ships. The flexibility of CrewPlan provides the possibility to customise the system according to your own requirements. Companies who choose for CrewPlan choose for uncomplicated straight forward administration and crewing software and the ability to combine crew and voyage schedules with certificates. Limited on and off times, certificates with expiry dates and compulsory medical checks regularly cause stress and even fines on both vessels and the back office. Furthermore CrewPlan warns you for any faults or future problems in your schedule. More information can be obtained via our office.
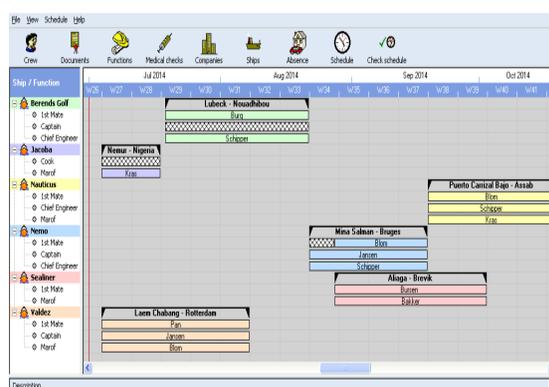
"CrewPlan meet the requirements of all MLC regulations"

"More information about our programs? Please contact info@hmc.nl"

ISO 9001
BUREAU VERITAS Certification

BUREAU VERITAS 1828