

DockPlan provides transparency throughout your dock planning

In the past decades ship-owners, shipyards and dry dock maintenance yards have worked with increasingly complicated dry docking and maintenance plans. This often lead to costly and time consuming delays. A fully transparent planning reduces costly planning 'faults', accumulating delays and dissatisfaction.

To successfully exploit a strategy like this an extensive planning tool is needed that is able to take into account the entire process including all (sometimes hidden) subtasks. This planning tool should almost feel like a simulation tool, one that can simulate the consequences of all types of changes. HMC is developing a tool that will support the market dynamics of the dry docking industry by using critical path algorithms and the input of shipping companies and shipyards. This system enables to communicate transparently and assure a swift operation and a client who is fully informed on a real time basis. The superintendent on site can check the consequences of changes and

change orders using DockPlan on a handheld computer, whereas the shore support office is informed real time as well. DockPlan is distinct through combining a critical path planning system with web based features of a realtime planning tool. In addition, DockPlan is specifically designed to create a platform for the cooperation between shipping companies and shipyards. Instead of general, complicated software such as MS Project, DockPlan is specifically designed for use in the maritime industry. If you have any questions about DockPlan, please contact us at info@hmc.nl or visit our [website](http://www.hmc.nl).

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*“DockPlan:
Cost savings can
exceed 10%“*



HMC's WorksPlan: scheduling and planning maintenance

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 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. HMC's innovative products are perfectly applicable for improving on and complying with the latest IMO regulations concerning environmental and safety issues. The WorksPlan system is based on a central database that is accessed by three modules (Certificate Control, Planned Maintenance, and Inventory Control). This ensures a minimum amount of input and ensures

standardization of data. The database can be handled via a menu structure. The system with three modules has the following structure: The system is robust and user friendly so different user groups can effectively use the system. For all items in the database a coding system is used both according to international standards as well as to specific user requirements. If you have any questions about WorksPlan, please contact us at info@hmc.nl or visit our website,

*“For your safety:
WorksPlan will
keep up an
inventory of
hazardous
materials”*

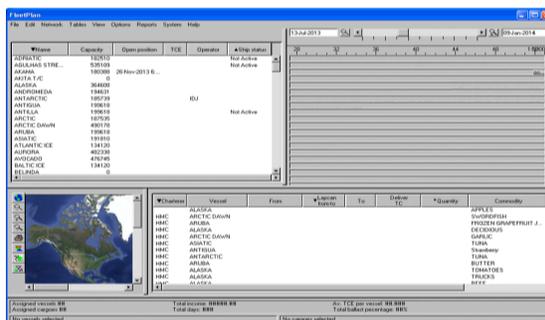


HMC's FleetPlan: proven cost savings

Fleet management solutions are designed to help you cut costs associated with maintaining vessels by streamlining workflow. FleetPlan manages risk, warranties, and supports the management of your facility. HMC's FleetPlan optimizes the planning of your fleet to reduce the downtime and supports efficient decisions.

The goal of HMC's FleetPlan is to generate an optimised Fleet schedule on a daily basis, which displays a horizon up to several months to be specified by the user for each commodity and ship type. The database of FleetPlan can store a broad range of ships, cargo data and is compatible with data from other systems using our import module. The program has the possibility to keep several types of information on vessels and cargoes. This information can be used to schedule vessels by hand and cargoes can be planned on a vessel using drag-and-drop functionality. A mathematical model is used to generate schedules automatically and daily positions of the

vessels can be communicated via the satellite communication module. If you are interested and want to have more information, please visit our [website](http://www.hmc.nl) or contact our [office](mailto:info@hmc.nl).



Vessel	Capacity	Open position	TCE	Operator	At Ship status
ALASKA	10000	2015-01-01	10000	Not Active	Not Active
ALASKA	10000	2015-01-01	10000	Not Active	Not Active
ALASKA	10000	2015-01-01	10000	Not Active	Not Active
ALASKA	10000	2015-01-01	10000	Not Active	Not Active
ALASKA	10000	2015-01-01	10000	Not Active	Not Active
ALASKA	10000	2015-01-01	10000	Not Active	Not Active
ALASKA	10000	2015-01-01	10000	Not Active	Not Active
ALASKA	10000	2015-01-01	10000	Not Active	Not Active
ALASKA	10000	2015-01-01	10000	Not Active	Not Active
ALASKA	10000	2015-01-01	10000	Not Active	Not Active

*“Reduce up to
20 % cost by
efficient fleet
planning”*



SafePlan is the total package for every shipowner

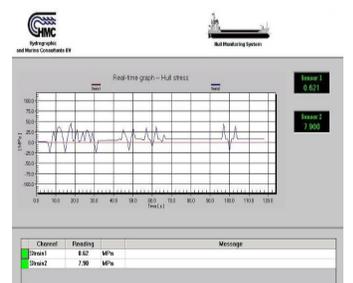
SafePlan (Strain Analyses and Fatigue Engineering in Ocean Transportation and Towages) measures the actual stresses and motions. This combination makes the system unique.

SafePlan is a software suite consisting of a number of applications. The suite improves the safety of all heavy transportations and is developed to simulate the consequences of actions such as route changes, the effect of speed reductions and course changes under all conditions. The use of SafePlan as a decision support system will increase the safety of your transports. The system will be able to monitor and safeguard the actual state of the vessel and cargo during transportations. With our experience with offshore heavy transport we are able to predict stresses, hotspots and monitor these with this kind of fatigue analysis software. This allows us to advise on the construction to prepare for its journey to the destination as early as in the Front End and Engineering Design (FEED) studies and design phase. Executing these analyses in the FEED stage

of a project will allow the users to avoid expensive revisions of drawings and designs in the very last minute or even during the build process. These last minute design alterations are inefficient, expensive and above all cause delay. Forces that can be taken into account are those due to heavy weather conditions and wave slamming. For more information, please contact our office at info@hmc.nl.



*“SafePlan is
installed on all
kind of heavy-
cargo vessels and
other ships”*



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