



Why choose CPC 2.0?

HMC's Cargo planning & loading computer (CPC)

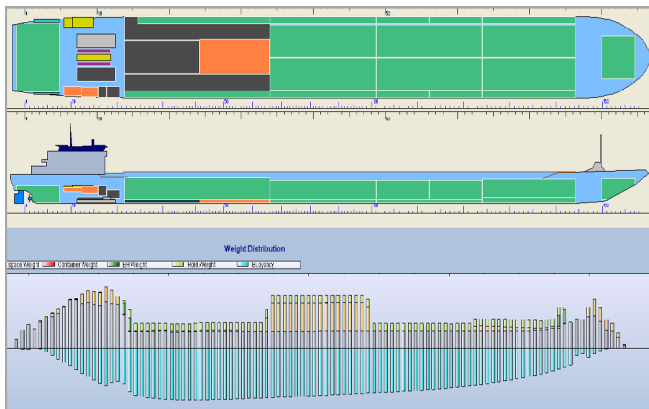
In its 25 years of existence the independent engineering firm HMC always has had a high standard for technological improvement and development. HMC invests every year its utmost time and effort in research & development of the products and services delivered.

CPC 2.0?

CPC 2.0 is the solution for class approved loading operations. This Cargo Planning & Loading Computer combines all crucial stability- and strength parameters with an efficient and user-friendly interface.

Benefits of the CPC algorithm

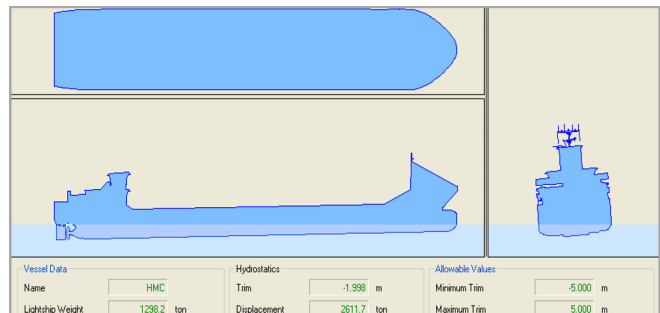
- Where Polynomial the bending moment filters throughout the blocks, interpolates CPC this careful by dividing the ship in many blocks after which a Finite Element Analysis (FEM) over the integrated ships length takes place.
- When the weight point of the ship after loading is situated to the aft of the ship it is possible that with the outcome of the Simpson and Trapezium rule will be a negative (correction) weight. This is impossible by using the estimation formula of classification societies that CPC uses.
- Stability and weight calculations are often coarse while these elements are the key to a safe ship. CPC increases the accuracy of information and with that also the safety.



Development

One of these developments is the through HMC developed Marine Services Tool (MS-Tool). MS-Tool makes the execution of heavy cargo transport and the transport of project cargo safer. This is done by adequate engineering and transport preparation of a voyage. MS-Tool makes it possible to calculate the effects when adjusting speed, changing the route or under extreme conditions change course. It's also possible to monitor the load during the voyage.

When using HMC's Hull Monitoring System it is possible to measure fatigue and control this fatigue during a voyage. These days oil companies require of ship-owners that fatigue damage is calculated and preferably measured when sea voyage take longer then 6 days. With HMC's FAMON system fatigue damage is determined and can be monitored on line.



New options

CPC 2.0 has two important and new options:

- With CPC 2.0 it's possible to import data by using scanners or handhelds.
- Better strength calculations and an option for deflection.

