



KAMINCO PRESENTS ONBOARD NAPA



Napa is an independent software house supplying the marine industry with high-end software systems for ship design and operation. Napa has been in the forefront of software development for decades, setting new standards for marine software.

Napa's aim is to translate its innovative and modern software solutions into genuine added value for our clients.

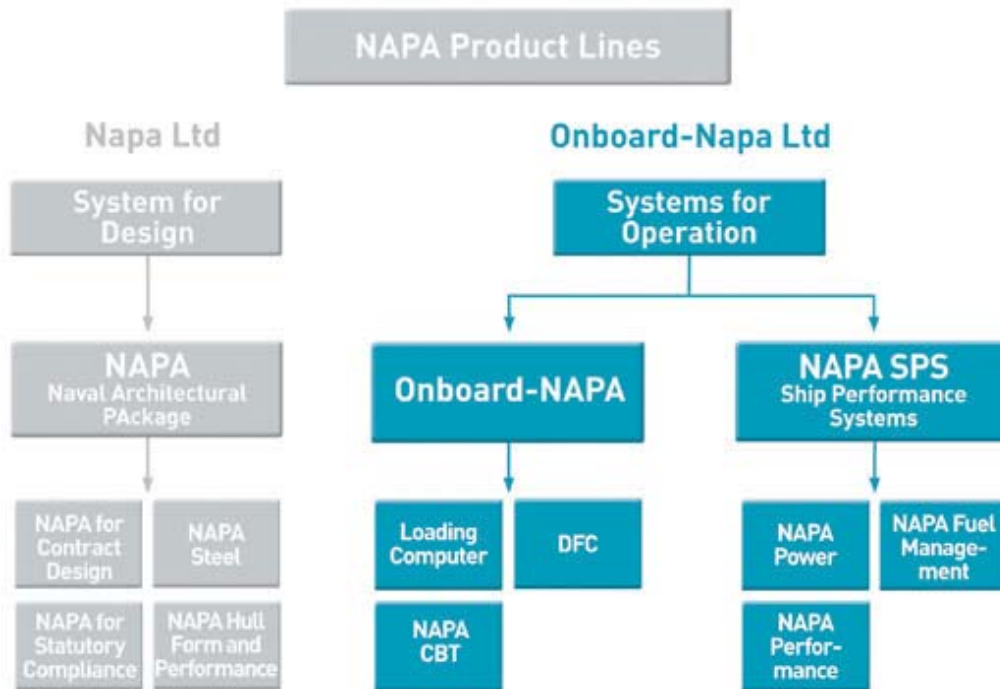
Napa's core competencies are based on in-depth understanding of 3D product modelling technologies and naval architectural analyses. From the very outset, we've been committed to making 3D product modelling a standard in the ship design industry.

Napa's software systems for ship operations seek to give ship owners and operators efficiency benefits through improved performance while also enhancing ship safety. In addition to ensuring that safety regulations are met, they enable ships to operate in ways that are more economical and ecologically beneficial.

The **Onboard-NAPA** and **NAPA Ship Performance Systems (NAPA SPS)** product lines are both based on the same core technology as the NAPA ship design system. Thus the Onboard-NAPA loading computer and NAPA SPS software for fuel optimization and follow-up have the same accuracy and reliability as NAPA. Also, Onboard-NAPA and NAPA SPS base all their calculations on the real 3D product model of the ship, just as NAPA does. Furthermore, since the same calculation engine is utilized, the systems also feature the unbeatable calculation speed of NAPA.

Onboard-NAPA was developed to address the various needs for carrying out ship stability related calculations onboard ships. NAPA's proven stability and calculation subsystems were the foundation on which Onboard-NAPA's development was based. NAPA SPS, on the other hand, has its roots in the hydrodynamics subsystems of NAPA.





Why Onboard-NAPA Onboard-Napa loading computer is far superior to domestic Korean makers:

- ✓ **Based on NAPA 3d design tool database.**
Most Korean yards use NAPA in their design. The very same database is used for the loading computer this eliminating the need for conversion of already exact data. This ensures the quality of the calculations in the loading computer.
- ✓ **Intact stability.**
Ship strength and stability is calculated and checked towards rules. The results are operative messages to the user.
- ✓ **MARPOL control.**
The ship is for the current loading condition checked directly against the MARPOL rules and the result to the user is an operative message. This is a requirement for large tankers.
- ✓ **Damage stability calculation module.**
Any arbitrary damage case can be checked by the user. The user defines the damage and Onboard-NAPA returns the stability results, static equilibrium of the liquids and spilled oil amount. This can be done at a support function in the office or at the vessel. The most important classification societies use NAPA in their Emergency response service.
- ✓ **Grounding.**
Onboard-NAPA defines the situation in a grounding and gives you useful tools to plan the corrective actions onboard the vessel or in the back office fast easily and silently.
- ✓ **Reporting by pdf.**
A very handy tool that gives you freedom to easily make the stability and loading report of the vessel for any authority, charterer or customer.
- ✓ There is a also a selection of **add-on modules** available:
 - Stowage planning where the harbor logistics and optimal allocation of oil is handled. Loading plans can also be received preplanned by e-mail from back-up office.
 - Loading sequence for securing the vessel during intermediate stages of loading and discharging.
 - Office user license.

Do not hesitate to [contact us](#) regarding more information on Napa Software for Ship Operations.