



▶ **Bring new life to your old
CARGOMASTER® system**

KROHNE
Marine

▶ **An upgrade will breathe new life into
your existing CARGOMASTER® system**

KROHNE Marine has supplied level gauging products for more than 30 years and we take pride in maintaining our installations on board for the lifetime of your ship. At a certain point, an overhaul or exchange of old computers or electronics may be necessary. In such cases we can offer tailored upgrading kits that will prolong the lifetime of the system.

We have successfully upgraded a majority of the systems we installed 20-25 years ago.

CARGOMASTER®

FAQ's

What will be installed?

- CARGOMASTER® computer unit(s), windows based and marine type approved.
- Type approved monitor(s), keyboard, mouse and laser printer.
- New electronics in the existing cabinet or replacement of the complete cabinet if this is more cost effective and convenient (new cabinet is smaller and will free up space).
- CARGOMASTER® Version 5 software, configured to the ship and the actual installation.

What is done during an upgrade?

An upgrade entails replacing all the electronics in the CCR. All the sensors and tank installation can be kept as it is as spare sensors will be available.

Will the system be as good as new?

The upgrade is done in the CCR and this part will be as good as new. Any faults in the field installation (in tanks etc.) must be corrected as on normal repair basis. Guarantee is given for the control room equipment, not the old installation.

What will be new in the CARGOMASTER® Version 5 software?

A lot! First of all, the operator environment is based on Windows 7, giving an intuitive and easy to use interface. The Version 5 software has a long list of improved and new functions. If you want to take a closer look, contact us and we will send you a free CD-ROM with a demo of the program.

Will all external communications work?

We have good experience in maintaining all communication to other systems. This must be evaluated for each project. It is important to receive information on serial interfaces which are no longer in use.

Will the integrated loading computer software be functional in the new system?

The existing integrated loading computer software in CARGOMASTER® V.3 is not fulfilling new class requirements, and will unfortunately not work on the new system platform. However, we can offer a third party stand-alone damage stability loading calculator from one of our partners. The new CARGOMASTER® system may be interfaced to a new loading computer for online calculations, even if the loading calculator is supplied by yourselves. The original integrated CARGOMASTER® loading calculator was only calculating intact stability. A new damage stability calculator will be complying with modern class requirements if damage stability data is available for the new program.

When should the upgrade be done?

We highly recommend that the upgrade is done during a dockyard period. The existing deck/tank installation (sensors, cabling, junction boxes and conduit pipes) can then be overhauled and/or renewed at the same time. If the system needs upgrading before a scheduled dry docking, it is possible to perform the work at sea, needing a 2-3 days period of working time. The downtime of the system will be 1-2 days.

Do we need an onboard survey?

Prior to an eventual overhaul and upgrade it is recommended to make an onboard survey thus making sure all aspects of the system may be dealt with in an efficient and proper manner during the dock yard period. Ordering a survey when the ship is in the vicinity to one of our service stations saves cost. Service stations offering surveys are listed to the right.

What is the delivery time?

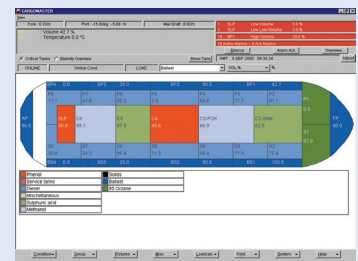
As these upgrades are tailor made for each installation, normally please allow us approximately 3 months delivery time. Shorter delivery time may be possible on request.

For more information, please contact:

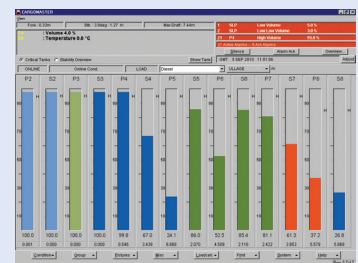
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Existing cabinet with new electronics



CARGOMASTER® V.5 tank plan



CARGOMASTER® V.5 tank bar graphs

We can offer you assistance with surveys and upgrades from the following places:

- Norway
- Singapore
- Rotterdam
- Dubai
- Shanghai
- New Orleans
- Pusan
- San Fransisco