

June 2014

## TYPE APPROVED LOADING COMPUTER SYSTEM

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A new generation type approved loading computer system

Consultas has been a loading computer maker from its foundation in 1972. Since then more than 2000 installations have been performed on a wide range of vessels.

### Easy to use

KONGSBERG proudly presents K-Load, a brand new loading computer system, in which all calculations are based on a three-dimensional (3D) geometric model of the hull and its inner structure.

Our main objective has been to develop an easy-to-use loading computer system whilst still featuring advanced functionality.

Users familiar with our previous versions of loading computer systems will recognize the Consultas user interface. Experienced Consultas users will therefore be able to operate the new version without undergoing training programs.

K-Load's intuitive user-interface also makes it easy for new users to quickly familiarize themselves with the various functions. Further assistance is provided by our comprehensive context-sensitive user manual.

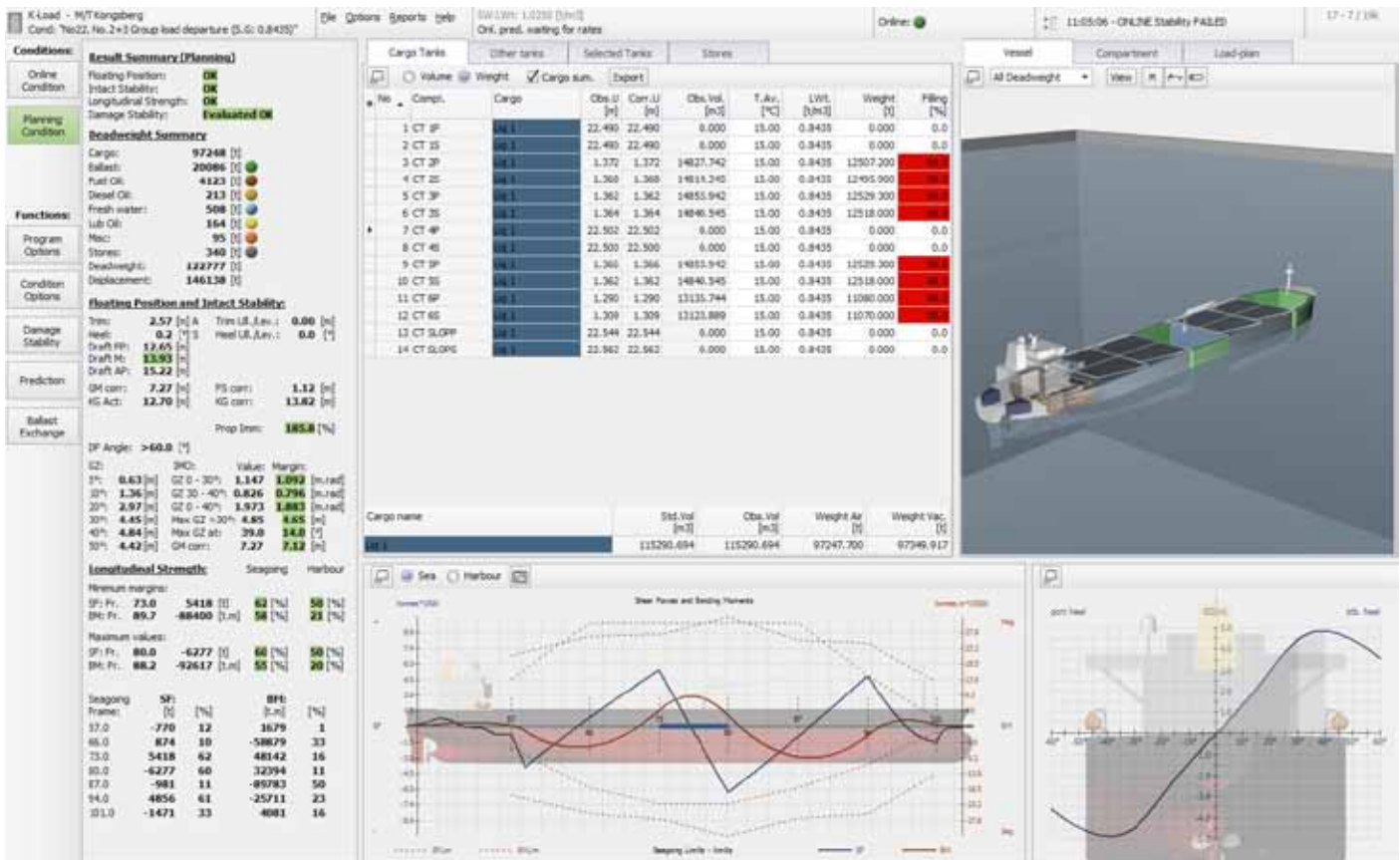
The K-Load 3D model display view shows the floating position of the vessel. When configured to be transparent, the model gives a clear and lucid overview of the dead weight items. Tanks and compartments are displayed with the grade colour of their contents and the exact filling levels are shown. The position of the camera can be easily changed using the mouse and scroll wheel.

### Great flexibility

K-Load is a modular software system consisting of a wide range of function modules that can be assembled with great flexibility. This modular approach ensures that system solutions can be tailored to the requirements of each particular vessel type.

### Key features

- Modular system
- Simultaneous online and planning modes
- Applied simplicity in system operation
- Type approved by classification societies
- 3D model display view
- Wide range of optional function modules



## TECHNICAL SPECIFICATIONS

K-Load's main features are:

- Calculation of dead weight and displacement
- Calculation and monitoring of floating position
- Calculation and monitoring of intact stability
- Calculation and monitoring of longitudinal and local strength
- Calculation of damage stability
- Extensive cargo calculations for oil and gas
- Extensive reporting functionality
- Calculation of crane stability
- Online interface to K-Chief
- Online interfaces to 3rd party tank level gauging systems and other ship systems
- Planning whilst running the online condition continuously in the background
- All calculations carried out on the basis of a 3D geometric model of the hull and its inner structure
- Office solutions providing the possibility to easily switch between the various ships, exchanging loading conditions on individual ships and accurately reproducing the onboard loading conditions

Sales, installation, commissioning and service support is provided by KONGSBERG's worldwide network.

The K-Load application runs on modern computers under Windows XP or higher.

Specifications subject to change without any further notice.