Ship Stability

Zebec Load Master
by Ship Expert Technology

User self-simulated Scenario
& Tanks adjustment.
Accurately perform calculations
for all user defined loading conditions.

Maritime Software
for Stability Calculation

ZEBEC LOAD MASTER

Contact Us
for More Detail
Tel. 02-105-4646
Email: sale@shipexpert.net

Accept MARPOL Annex I Ch.4, the IBC/BCH Code
Applicable to all types of vessel.

Ship Expert

Zebec Load Master

Loading & Damage Stability Software

2019 Introduction Product sheet

Zebec Loadmaster" is a Software developed by Zebec Marine Consultants & Services Pvt. Ltd which designed to function as a ship's 'Load indicator' for planning the loading sequence, calculation of intact &damage stability and longitudinal strength of any type of ship.

The Software is designed by a team of Naval Architects and Software Engineers in a logical manner, which makes it easy to use.

The Software is designed as type 3 damage stability software as per IMO guidelines and certified.
The Software is capable of handling all type of vessels which includes ;

Container / General Cargo /Bulk vessel

Oil , chemical , Gas Tanker

Offshore vessel

Features Intact Scenario

Creation of Loading Condition

Equilibrium Hydrostatics Calculation

GZ Calculation

IMO Intact Stability Criteria Calculation

Roll Period Calculation

Propeller Immersion Calculation

Calculation of Hull Girder Shear Force

Calculation of Hull Girder Bending Moment

Generation of Report in .pdf Format

Saving of Loading Condition

Retrieving and Simulating Saved Loading Conditions

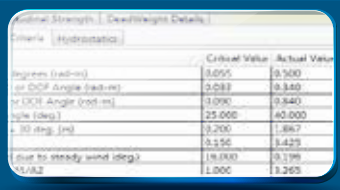
Predefined Standard Loading Condition

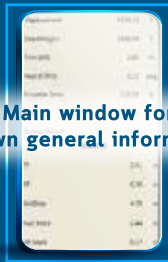
2D Visualization of Tanks in Profile and Plan

2D Visualization of Waterline in Profile

Main window for input Tank Volume, Weight, % Fill , SG and FSM , Fixed Loads weight

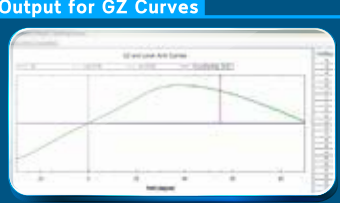
Stability Criteria





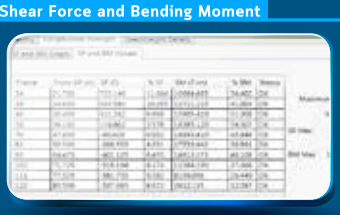
Main window for
Shown general information

Output for GZ Curves



Shear Force and Bending Moment

Shear Force and Bending Moment



Damage Scenario

Selection of Predefined Damage Cases

Equilibrium Hydrostatics Calculation

GZ Calculation

Damage Intact Stability Criteria Calculation

Roll Period Calculation

Propeller Immersion Calculation

Generation of Report in .pdf Format

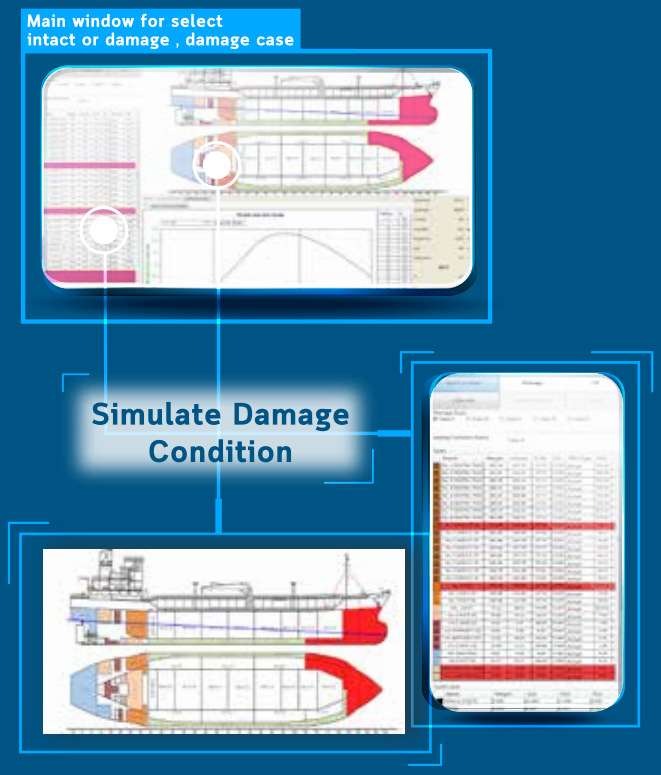
Saving of Loading Condition with Damage Case

Retrieving and Simulating Saved Loading Conditions

2D Visualization of Tanks in Profile and Plan

2D Visualization of Waterline in Profile

2D Visualization of Damaged Portion in Red Color



New requirements for onboard stability instruments

Regarding to new requirements for onboard stability instruments applicable to all tankers will be effective from 1st January 2016. MARPOL Annex I Ch.4, the IBC/BCH Code and the IGC/GC Code have all been amended, requiring tankers to be fitted with a stability instrument capable of handling bothintact and damage stability. The new requirement is retroactive and applies to both new and existing ships as follows:

Ships constructed on or after 1st January 2016 at delivery

Ships constructed before 1 January 2016 at the first renewal survey on or after 1st January 2016, but no later than 1st January 2021.

Ships carrying onboard stability instruments already approved and certified by a recognized class organization, and capable of verifying both intact and damage stability to a standard acceptable to the administration, may continue to use such an instrument.

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