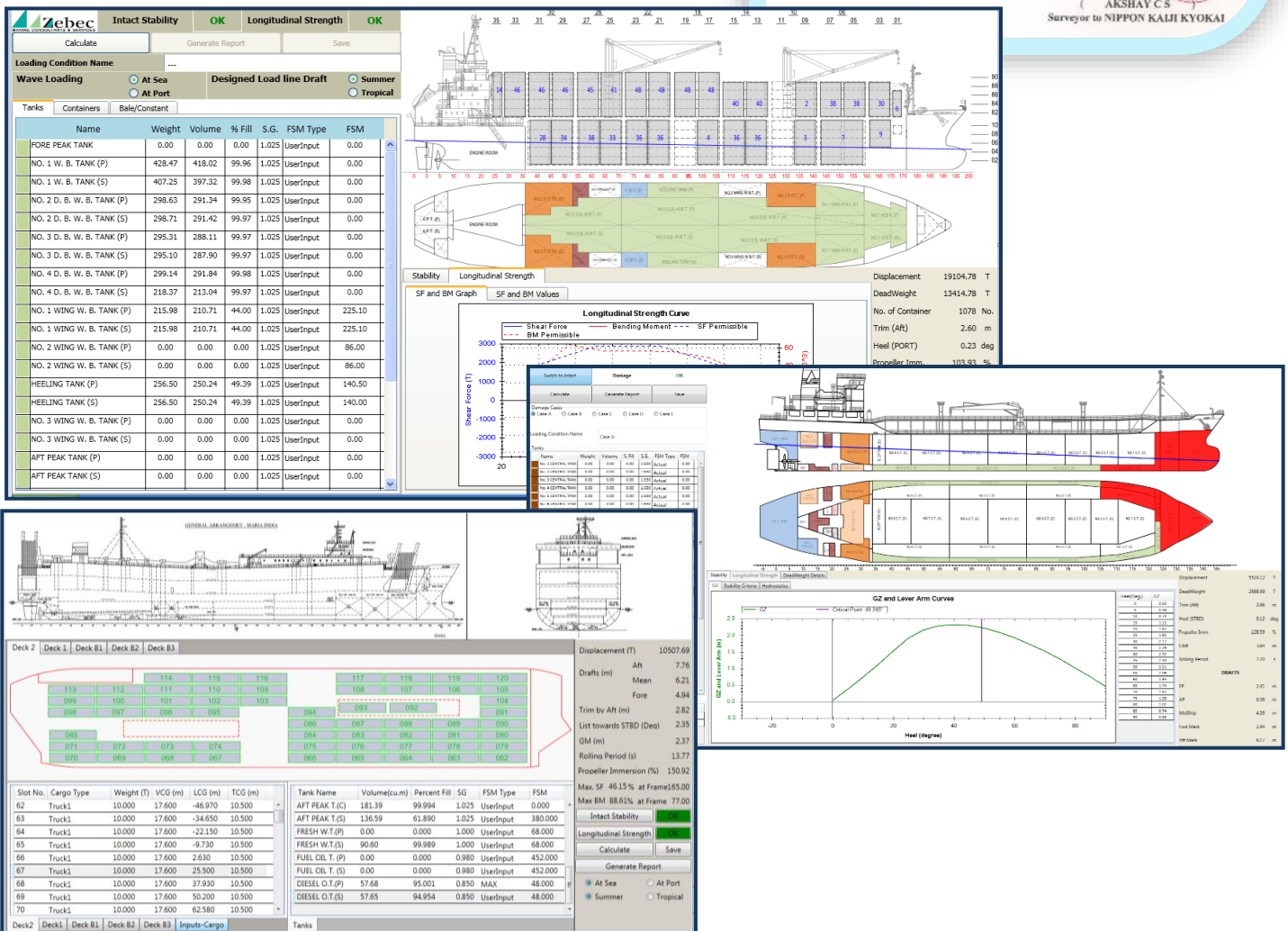


Zebec Loadmaster is a Microsoft Windows based software designed to perform as a Ship Loadicator to assess intact and damage stability of the vessel including longitudinal strength.

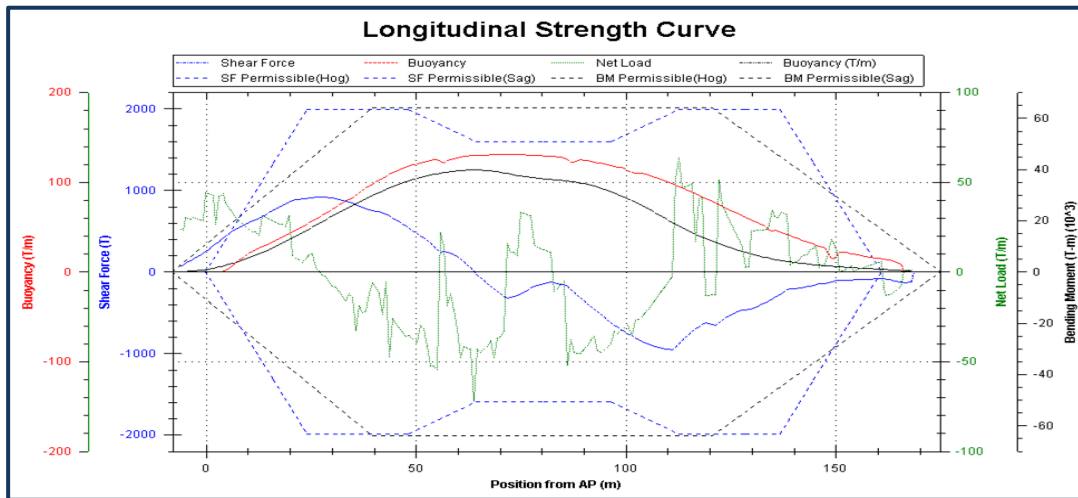
Zebec Loadmaster is designed as Type 3 damage stability software as per IMO guidelines and approved by Class NK. The software is capable of handling all types of vessels which includes;

- Container Vessels, General Cargo Vessels
- Oil Tanker, Chemical Tanker, Gas Carriers
- Ro-Ro Vessel(PCTC), Bulk Carriers
- Anchor handling Tug, Platform Supply Vessel
- Drill Ships, etc.

The screenshot displays the Zebec LoadMaster software interface with several key components:

- Top Panel:** Includes buttons for 'Calculate', 'Generate Report', and 'Save'. It also shows 'Intact Stability' and 'Longitudinal Strength' status as 'OK'.
- Left Panel:** A table listing various tanks with columns for Name, Weight, Volume, % Fill, S.G., FSM Type, and FSM. Tanks include FORE PEAK TANK, NO. 1 W. B. TANK (P), NO. 1 W. B. TANK (S), NO. 2 D. B. W. B. TANK (P), NO. 2 D. B. W. B. TANK (S), NO. 3 D. B. W. B. TANK (P), NO. 3 D. B. W. B. TANK (S), NO. 4 D. B. W. B. TANK (P), NO. 4 D. B. W. B. TANK (S), NO. 1 WING W. B. TANK (P), NO. 1 WING W. B. TANK (S), NO. 2 WING W. B. TANK (P), NO. 2 WING W. B. TANK (S), NO. 3 WING W. B. TANK (P), NO. 3 WING W. B. TANK (S), HEELING TANK (P), HEELING TANK (S), AFT PEAK TANK (P), and AFT PEAK TANK (S).
- Center Panel:** Shows a longitudinal strength curve graph with Shear Force (T), Bending Moment, and SF Permissible. It also includes a 'Longitudinal Strength Curve' plot and a 'SF and BM Graph'.
- Right Panel:** Displays vessel parameters: Displacement (19104.78 T), DeadWeight (13414.78 T), No. of Container (1078 No.), Trim (Aft) (2.60 m), Heel (PORT) (0.23 deg), and Propeller Imm. (103.93 %).
- Bottom Panel:** Features a 'GZ and Lever Arm Curve' graph showing GZ (Righting Arm) and GZ (Righting Arm) vs Heel (degrees). It also includes a table for 'Deck 2' showing cargo weights and positions, and a 'Tanks' table with columns for Slot No., Cargo Type, Weight (T), VCG (m), LCG (m), TCG (m), Tank Name, Volume (cu.m), Percent Fill, SG, FSM Type, and FSM.



Features

➤ Stability Calculation

- Draft, Trim, Heel, GMT, FSM & CGs
- Displacement & Dead Weight Calculations.
- Intact/Damage Stability criteria as per applicable regulations.

➤ Longitudinal Strength Calculation

➤ Corrective Action is based on

- Use of Salvage Pump(s)
- De-ballasting/Ballasting
- Fresh Water Transfer
- Fuel Oil Transfer
- Warning and Alarms

➤ 2D Graphics

- Percentage filling of compartments / tanks
- Damage Portions
- Water Line
- Container/Car slots as per vessel

➤ 3D Graphics

- Tanks and compartments
- Hull and Superstructure

➤ Reports in PDF

➤ Longitudinal Strength and GZ graphs

➤ Special Features

- Replication of data on various systems in the network
- Warning and Alarms

Special Features

- Real time data input through Ethernet /Serial Port
- Replication of data on various system in the network
- Warning and Alarms
- Importing Baplie files(.edi) specific to container vessels

Software successfully delivered to

- Integrity Shipping Pvt Ltd – Chemical Tankers
- Nautica Ship Management Sdn. Bhd. – Container Vessel
- Seven Island Shipping – Product Tanker
- Ship Management Company - LPG Tanker
- Celestial Meridian Shipping Pvt. Ltd. – Car Carrier
- Larsen & Toubro Limited – Naval Vessels
- Indian Navy - Destroyer
- Indian Coast Guard - Patrol Vessel