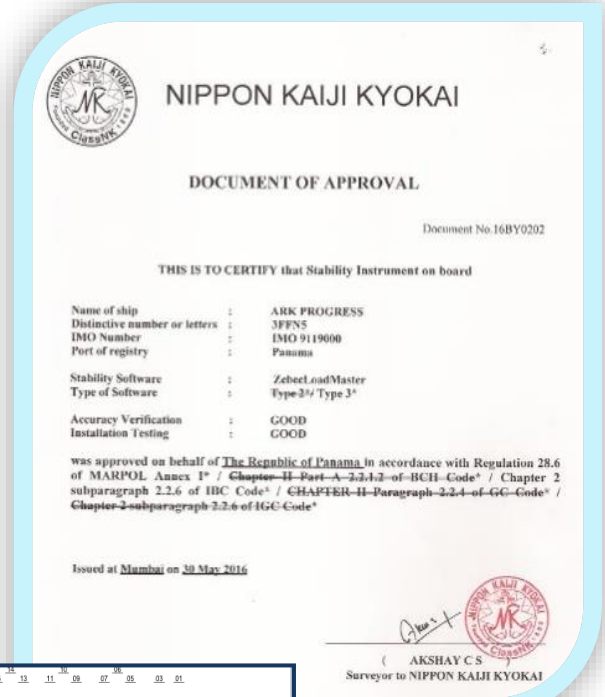
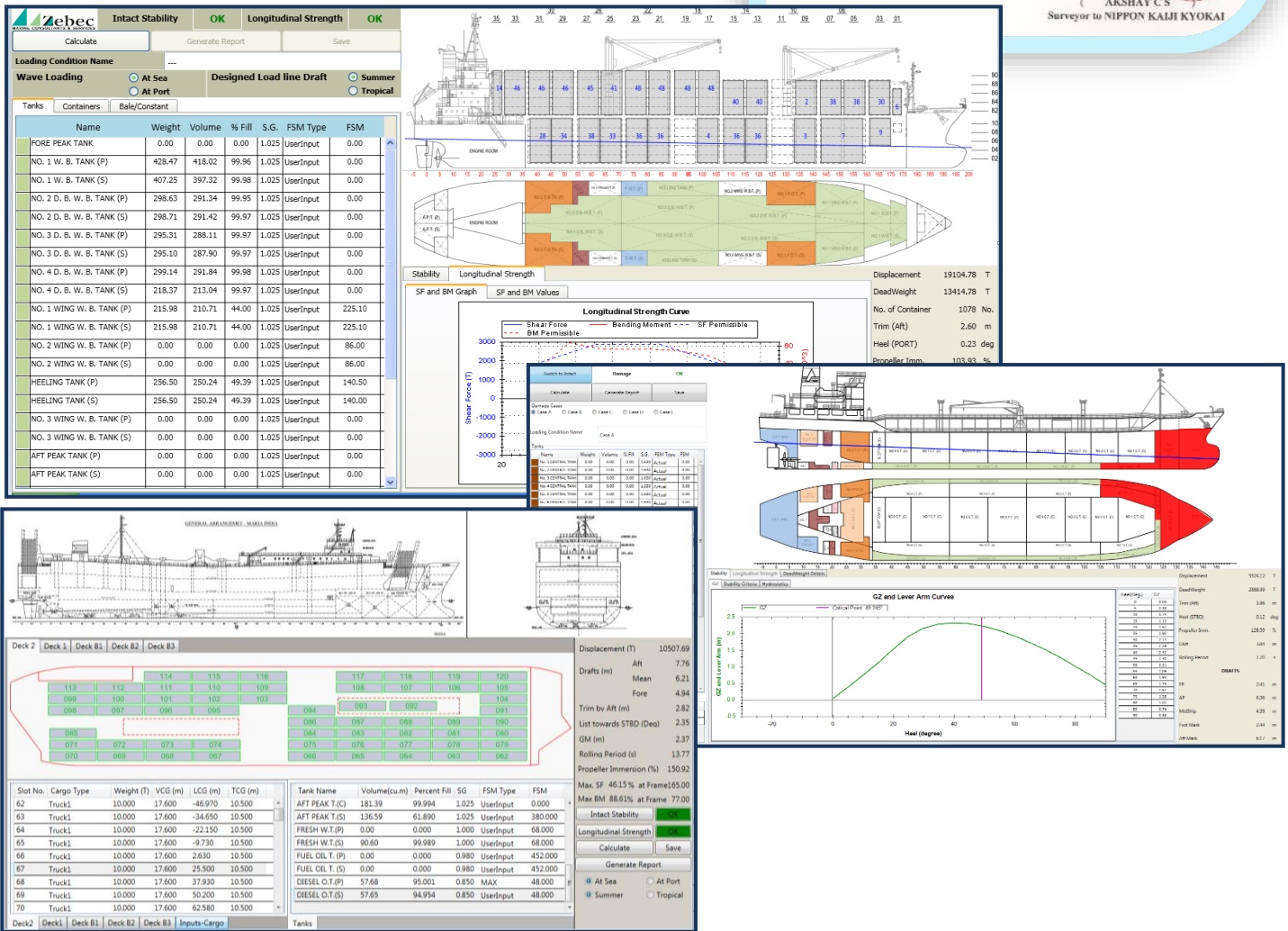


Zebec Loadmaster is a Microsoft Windows based software designed to perform as a Ship Loadicator to assess intact and damage stability of the vessel including longitudinal strength.

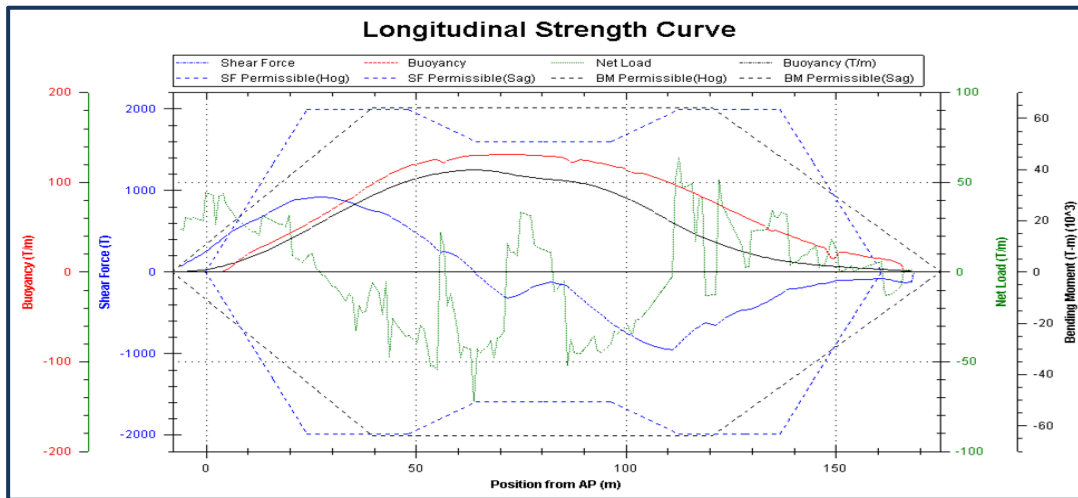
Zebec Loadmaster is designed as Type 3 damage stability software as per IMO guidelines and approved by Class NK. The software is capable of handling all types of vessels which includes;

- 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 'Calculate', 'Generate Report', and 'Save' buttons, along with 'Intact Stability' and 'Longitudinal Strength' status indicators.
- 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 plotting Shear Force (T), Bending Moment, and SF Permissible against distance. It also includes a deck plan view of the vessel.
- 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) versus Heel (degrees). It also includes a table for deck cargo loading with columns for Slot No., Cargo Type, Weight (T), VCG (m), LCG (m), and TCG (m).
- Bottom Right Panel:** A summary table for tanks with columns for Tank Name, Volume (cu.m), Percent Fill, SG, FSM Type, and FSM. Tanks listed include AFT PEAK T(C), AFT PEAK T(S), FRESH W.T.(P), FRESH W.T.(S), FUEL OIL T.(P), FUEL OIL T.(S), DIESEL O.T.(P), and DIESEL O.T.(S).



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