

LoSemi™ - On-Board Load and Stability Software

LoSemi™ is an interactive; menu driven program used on-board semi-submersible vessels to perform loading and stability calculations. This system is a windows based application, with a user friendly interface. It has numerous error checking routines to warn the user when improper input data is used and/or limits are exceeded. This on-board load and stability program is customized to fully comply with the requirements and procedures of the vessel's Operating Manual.

LoSemi™ Key Highlights

- Updates of draft, trim and heel, deck loads and KG margin, 3D/2D views with every entry.
- Weight management by grouping and sub-grouping (with the choice of global or local coordinate systems).
- Various modes of operation (Transit, Survival and Operating).
- Grouping of weights based on Solids, Liquids and Miscellaneous items.
- Ballasting and De-ballasting procedures and load equalization calculations to achieve desired draft, trim and heel.
- Calculation of stability parameters.
- Validates the input values and displays warning messages and graphical representation of percentage of allowable for different items.
- Interface with Mooring advisory software ZenMAP.
- Large angle stability calculations.
- Single view shows condition total, stability window, 2D and 3D views of the vessel.
- Damaged stability calculations.



LoSemi™

On-Board Load and Stability Software

LoSemi™ - On-Board Load and Stability Software

- Multiple allowable KG curves for different floating drafts.
- Individual weights and CGs, totals and subtotals.
- Calculation of liquid weights and CGs from tank tables.
- Generate various reports like variable summary, condition total and stability summary and option to send it by email.
- Highlight tank of the current section in 2D and 3D views.
- Plots of tank tables, hydrostatics, allowable wind wave chart.
- Mooring line tensions included in load cases.
- Estimation of free surface moments (FSM) for each tank and for the unit.
- Facility for updating tank sounding with real-time sounding of tanks.
- Multiple document interface with interactive display option for viewing multiple loading conditions.
- Change tank sounding using sounding tube in 2D view.
- Summary of consumables and their break-up.
- Position solids by dragging on 2D view.
- Blocking of fields to restrict user entry.
- Assistance in verification of user input data.
- AutoSave option and Undo/Redo option.
- Facility to archive and retrieve loading conditions.
- Tooltip to assist user to input data.
- Incline calculations and estimation of Lightship (optional)

System Requirements
Windows® XP, Windows 7
or Windows 8

Customer Support

We offer customers better turnaround on e-mail support.

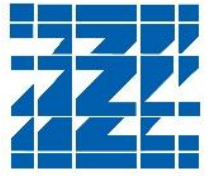
Any technical issues will be resolved in a quick and timely fashion.

<http://www.zentech-usa.com/contact.html>



LoSemi™

On-Board Load and Stability Software



**For more information
about Zentech's services
Scan me**



14800 St. Mary's Lane, Suite 270
Houston, Texas 77079
Tel: +1 281 558 0290
zentech@zentech-usa.com
www.zentech-usa.com

 **ZENTECH INCORPORATED**
INNOVATIVE ENGINEERING SOLUTIONS

