

Offshore Stability, Monitoring and Load Management Software

LMP

Herbert Software Solutions, Inc.

LMP can be configured to work with semi-sub, TLPs, SPARs and FPSOs

LMP features:
 Detailed Plan Weight Entry
 Rig Definition
 Lightship
 Modifications Tracking
 Tendon Tension Monitoring & Calculation
 CG Limit Curves
 Detailed Weight Summaries
 Ballast Water Adjustment Calculations
 Automatic weight, tension & environment input from control system
 2-Axis Damage Stability

LMP (Load Management Program) is a customizable and powerful program that can be configured to meet all your offshore Stability, Monitoring and Weight Management needs. This proven system combines rigorously tested algorithms, a user friendly interface, and custom tools and reports to provide quick and consistent results.

The screenshot displays several key software windows:

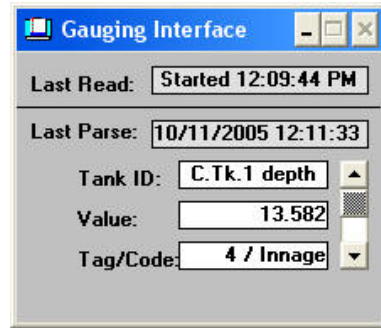
- Variable Deck Weight Entry Tool:** Shows a deck plan with weight distribution and a table of deck areas.
- Auto Ballast Distribution:** Lists tank names and ballast adjustment targets.
- TLP Monitor - Rig Attached:** Shows a rig structure with weight and stability data.
- Summary Tables:**

Item Name	Weight	VCG from Deck	LCG from Ref	TCG from Ref	Item Length	Item Width	Item Description
Oil Barrel 1	0.03	1.00	1.30	-4.55	0.75	0.75	
Oil Barrel 2	0.19	1.00	0.47	-3.69	0.75	0.75	
Oil Barrel 3	0.15	1.00	1.36	-3.54	0.75	0.75	
Oil Barrel 4	0.71	1.00	0.47	-4.47	0.75	0.75	
SAFETY Total:	0.75						

Item Name	Weight	VCG	LCG	TCG	Item Length	Item Width	Item Description
Lightship	35,000.00	50.000	0.000	0.000			
Lightship Weight	0.000	0.000	0.000	0.000			
Deck Load	1,100.00	44.000	1.700	2.000			
Deck Tare	170.00	37.000	0.124	21.000	300.44	804.54	
Deck Ball	104.47	21.000	42.000	0.000	0.00	0.00	
Deck Load	1,000.00	44.000	0.000	0.000			
Deck Tare	0.000	0.000	0.000	0.000			
Deck Ball	1,000.00	44.000	0.000	0.000			
TOTALS:	36,421.07	14.700	0.000	42.000	12,410.24	31,000.00	

Efficient Weight Management

LMP is a PC based software that provides the capability to quickly evaluate weight management and operational limits under all circumstances.



DraftNW	71.000
DraftNE	71.000
DraftSW	71.000
DraftSE	71.000
Slot	Slot 01
Rig N-S	23.839
Rig E-W	-55.499
MaxTen	1364.8
MinTen	1221.2
MaxDev	71.8
CGmarNS	0.120
CGmarEW	-0.153
TenDiff	

The Right Tool for the Job

Each LMP program is custom developed by trained Naval Architects using shipyard drawings and technical data and has many features available for each specific ship type. Some of the main features include:

- Intact & Damage Stability
- Automatic Ballast Calculation & Adjustment
- Customized Weight & Density Entry
- Direct data compatibility with HECSALV
- Tendon Tension Calculation
- Detailed Deck Plan Entry
- CG Limit Curves
- Longitudinal & Transverse Stability
- Ullage / Sounding Entry
- Customized Reporting
- Interface with any Control System
- Automatic Rig Location CG Adjustments
- Lightship Modification Tracking
- Operational Limits Comparison

HSSI Software Suite Compatibilities:

CargoMax is directly compatible with HSSI's other software products. Take advantage of this compatibility to create a much bigger solution for the safe and efficient operation of your fleet.

HECSDS—Ship Design Software

Know the capabilities of your vessel with powerful tools to evaluate its performance against current (and future) regulations.

HECSALV—Salvage and Emergency Response

Used in conjunction with CargoMax, keep track of the last sailing condition of your entire fleet, and be able to respond within minutes to any emergency situation.

PlanMax—Load Planning Software

Load your vessel efficiently and safely, knowing that your strength and stability results match a class approved loading instrument.

Accepted Everywhere

LMP is accepted and has been approved by major classification societies. HSSI will ensure your approval needs are met.

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