

## Salvage and Emergency Response Software

# HECSALV

Herbert Software Solutions, Inc.

### Features:

- Intact and free-floating damage stability
- Multiple grounding types (pinnacles, shelves)
- Stress analysis (with damaged or corroded structure)
- Tide cycle analysis
- Lightering plans
- Oil outflow analysis
- Macro language for custom calculations

### Applicability:

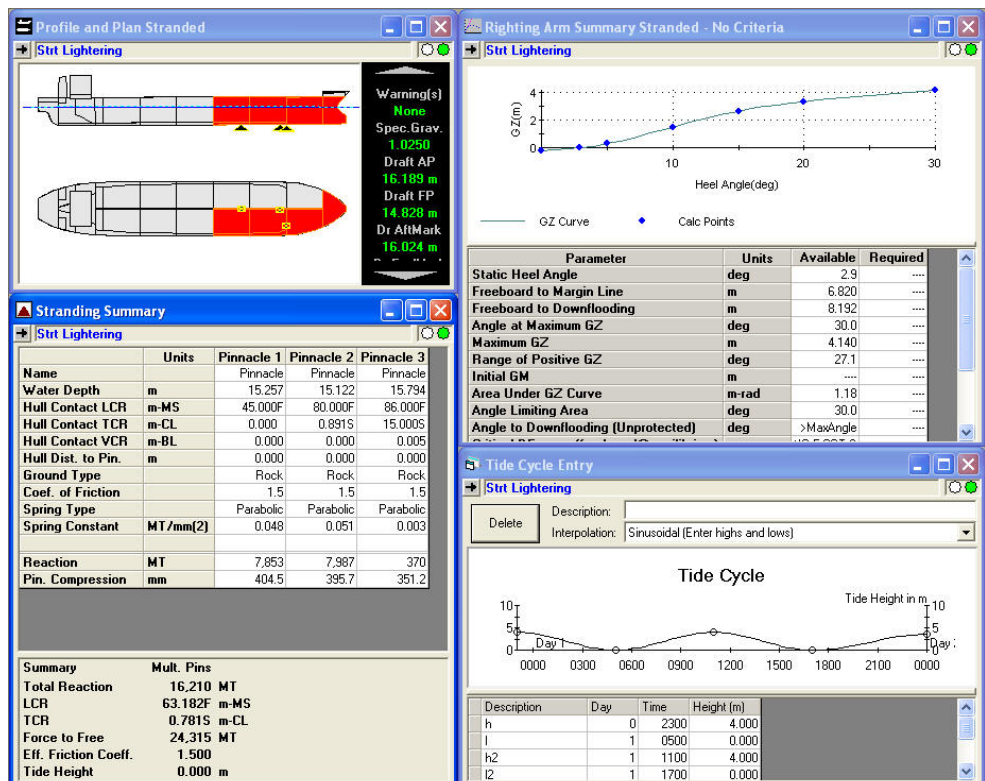
- Ships of any type
- Floating docks
- Semi Submersibles
- TLPs
- SPARs

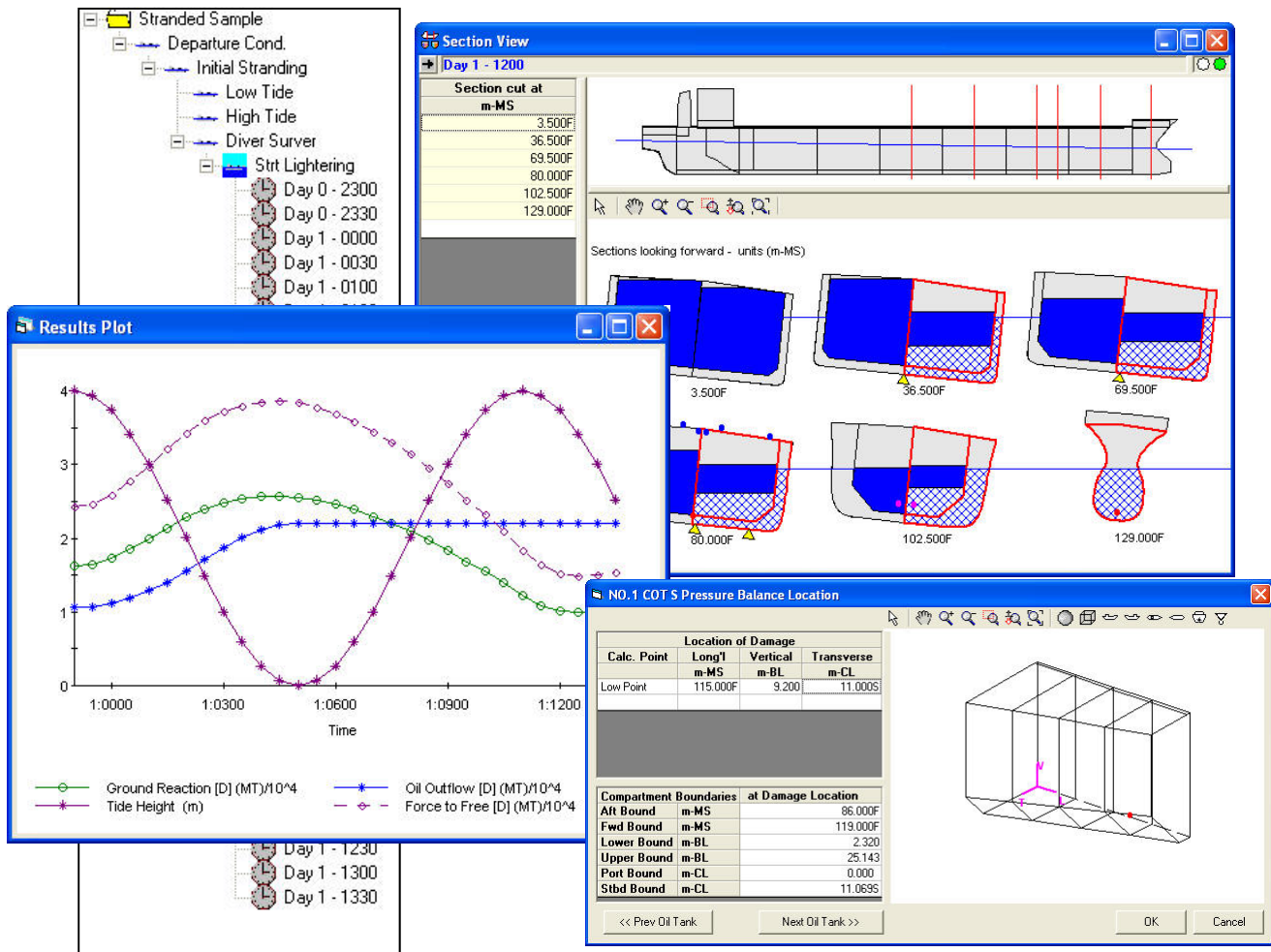
### Used by:

- Naval architects
- Salvage engineers
- Ship owners
- Classification societies
- Military organizations



During a vessel emergency your most valuable assets are time and confidence. HECSALV provides timely and accurate results when you need it most. Starting with the last known departure condition, HECSALV allows the user to quickly collect and process the available data, define the extreme bounds of the problem, and evaluate multiple scenarios for remedial action. As more information comes in, the user can quickly and automatically update the entire analysis from beginning assumptions to latter stage pump allocations, producing a refined and carefully considered salvage plan to follow.





## HECSALV is supported by the following applications:

### Included in package:

- Ship Project Editor—Advanced ship modeling and preliminary design tool
- Section Modulus Editor—Detailed structural section definition, including simulation of damaged and corroded structure and re-calculation of section properties.
- Tow—Planning and evaluating towing requirements
- Rapid—Salvage and Emergency response tool that does not rely on a previously defined ship model.
- Ullage/Sounding Table Generator—Especially useful in situations where manual soundings are being taken on a void space that has been breached.

### Sold Separately

- CargoMax—Market leading, fully compatible onboard loading software, capable of providing loading conditions automatically.
- SMP—US Navy's Ship Motions Program for calculating dynamic loads in any seastate.

#### San Francisco

Herbert Software Solutions, Inc.  
2417 Mariner Square Loop, Suite 125  
Alameda, CA 94501  
Tel: +1 510 814 9065  
Fax: +1 510 814 9763  
E-Mail: info@herbertsoftware.com

#### Glasgow

Herbert Engineering Europe (UK) Ltd.  
1 Cairnlea Road  
Strathaven, ML10 6EY, UK  
Tel. (UK): +44 (141) 416 4775  
Mobile (UK): +44 7595 020 934  
Tel. (USA): +1 (510) 962 5814  
E-mail: lletizia@herbert.com

#### China

Herbert Engineering Shanghai, Ltd.  
World Plaza, Suite 10G  
855 Pudong Nan Lu  
Shanghai 200120  
Tel: +86 21 5836 9620  
Fax: +86 21 5836 9542  
E-Mail: info@shanghai.herbert.com