

## BULK CARRIER

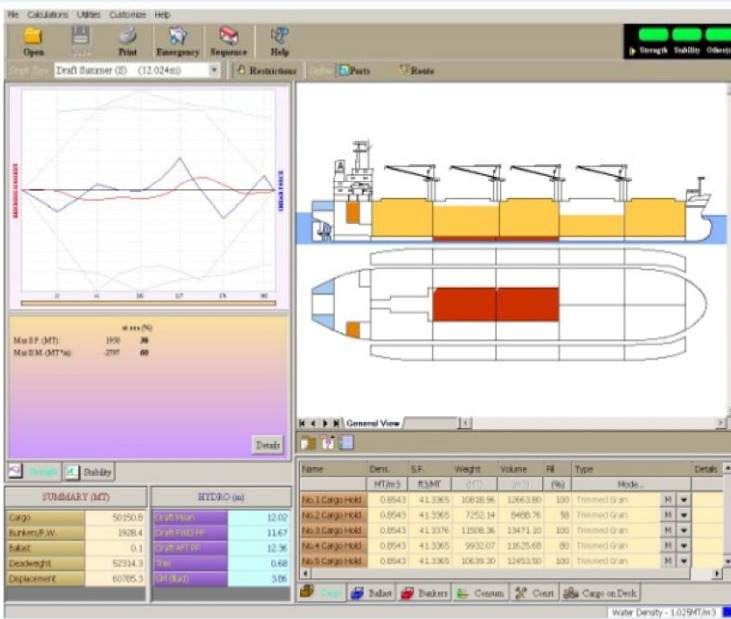
One screen covers the entire program

### Standards functions for Bulk Carrier

- Hydrostatic information table(Draft,trim,LCB...)
- Intact Stability information table-IMO Criteria
- Weather Criteria information table
- Longitudinal Strength calculation table(S.F., B.M)
- Summary of cargoes information table
- Forward draft limit
- Calculation of Propeller immersion
- Load Line selection(Summer,Winter,Tropical...)
- Restrictions(Draft,Trim,S.F.,B.M., Air Draft)
- Automatic unit conversion(Metric-British)
- Water density calculation
- Cover all cargo types(Bulk, Grain, General Cargo, Timber)
- Various unit selection for density/stowage of cargo
- Actual loading graph of the vessel
- Longitudinal strength in flooded condition(URS17)
- Max. and Min. required cargo mass(URS1)
- Shear force correction according to CSR or Classification
- On line help and error/warning messages
- Explorer to manage loading conditions(copy,paste, recycle bin, directories...)
- Import-Export loading conditions
- Reporting facilities(Print out tables and graphs)

### Optional utilities for Bulk Carrier

- Loading/Unloading sequence module
- Ballast Water Management module
- Display and printout Draft Survey Report
- Calculation and printout NCB form for Grain
- Calculation and printout Canadian form
- Auto-loading module
- Auto-trim module
- Air Draft calculation
- Damage Stability Calculation
- Grounding/ Refloating calculation



### Loading/Unloading sequence module

The screenshot shows the Loading/Unloading sequence module. It includes a 3D model of the vessel with cargo holds highlighted in red. Below the model, there are several tables. The first table is 'Ballast content at commencement of Loading', showing values for Ballast, Water, and Air. The second table is 'Ballast content at commencement of Unloading', showing values for Ballast, Water, and Air. The third table is 'Cargo Operations', showing a sequence of loading and unloading operations for various cargo types. The fourth table is 'Ballast Operations', showing a sequence of ballast operations. The fifth table is 'Values at end of Four-Item ballast water test', showing values for T, P, S, and M. The sixth table is 'Values at end of Loading', showing values for T, P, S, and M. The seventh table is 'Ballast content at end of Loading', showing values for Ballast, Water, and Air. The eighth table is 'Values at end of Loading', showing values for T, P, S, and M. The ninth table is 'Ballast content at end of Unloading', showing values for Ballast, Water, and Air. The tenth table is 'Values at end of Loading', showing values for T, P, S, and M.