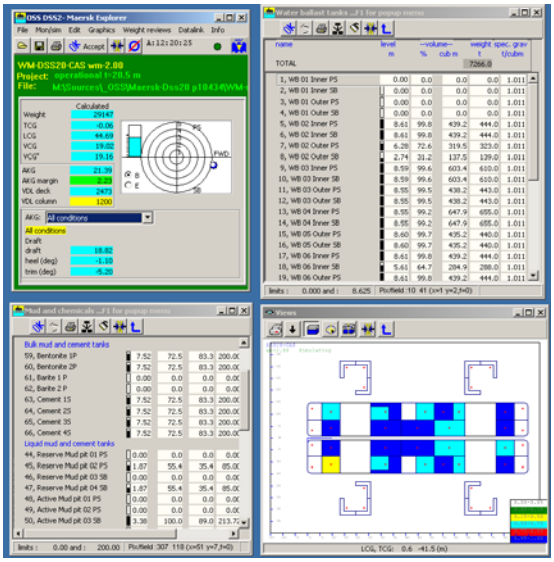
Weight Management software

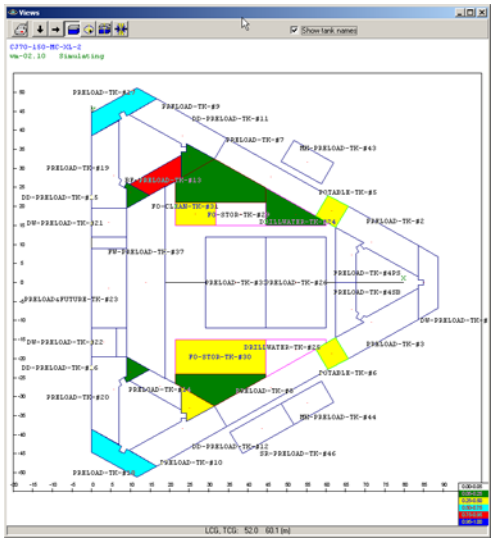
equipment

Weight Management



Functions

The Weight Management module is part of the total set of programs called OSS, Operation Support Software. The Weight Management module handles the daily loadsheet calculation. User input is limited to the basics like tank level, deck load in a particular area etc. Based on user input, the program determines derived data like weight and center of gravity of fluid in the tanks and total weight and its center of gravity. When afloat the draft, heel and trim is determined based on even keel hydrostatics. For jack-ups, when elevated, the leg forces are determined. Where possible, safety margins are indicated. Since after each change of the weight condition, draft trim and heel can be quickly calculated, the user can concentrate on the effect of these changes on vessel position. Using graphics, an efficient feedback mechanism is obtained.



The weight situation can be saved for later retrieval either on board or in the office. By reading a previous situation, keying in of the changes is sufficient to reach a new situation.

For the specific mode of operation, the program checks if operational limits are exceeded like:
- Draft
- Allowable vertical position of the center of gravity (AKG) or:
- Leg loads
- Cantilever loads

Monitoring and simulation

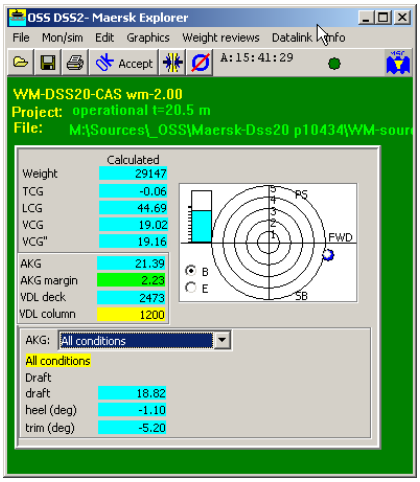
It is usual that this program works in a simulation mode where the user keys in all the data. Where possible, a link can be made with a tank measuring system, so that the actual situation can be monitored. This can be achieved using a serial link or having the PC hooked up to a network.

Features

- Graphical user interface
- Data entry windows
- Several views
- Connects to tank monitoring system
- Uses tank tables
- Uses upright hydrostatics
- Optional use of hydrostatics for trimmed and heeled conditions
- Checks if operational limits are exceeded
- Saving to and restoring from file
- Print of extended and short load sheet

For jack-ups:
- Leg load distribution
- Preloading with optimized ballast water distribution

For semi-submersibles:
- Optimized distribution of ballast water



The Netherlands
Karel Doormanweg 66, 3115 JD, Schiedam
P.O. Box 11, 3100 AA Schiedam
Telephone +31 (0)10 232 0000
Telefax +31 (0)10 232 0101
www.SBMoffshore.com / www.GustoMSC.com

USA
Enclave Parkway, Suite 200,
Houston TX 77077
Telephone +1 281 679 8000
Telefax +1 281 679 8008

Technology Creating Value

SBM OFFSHORE GustoMSC

REFERENCE LIST WEIGHT MANAGEMENT SOFTWARE

unit name	*owner*	*type of rig*
Semi-submersibles		
DB101	Mc Dermott	construction
Semi I	Halliburton	construction
Semi II	Halliburton	construction
Petrobras 18	Petrobras	production
LB 200	Acergy	pipe laying
Ton van Langeveld	Noble	drilling
LOI	Transcontinental	drilling
MC DSS20-CAS	Maersk	drilling
Regalia	Prosafe	construction
Scandinavia	Prosafe	accommodation
Paul Wolff	Noble	drilling
Jack-ups		
Al White	Noble	drilling
Koslkaya	Noble	drilling
Piet van Ede	Noble	drilling
Ronald Hoope	Noble	drilling
Lynda Bossler	Noble	drilling
Endurer	Maersk	drilling
Giant	Maersk	drilling
Gallant	Maersk	drilling
Guardian	Maersk	drilling
Tam Dao		drilling
Maersk Completer and Convincer	Maersk	drilling
EDC Sneferu, Setty	Maersk	drilling
MC Resilent, Resolute, Reacher, Resolver	Maersk	drilling
West Epsilon	Seadrill	drilling
Perro Negro 6	Saipem	drilling
Naga 2, Naga 3	Standard Drilling	drilling
EODC, EL QAHER I and II	EODC	drilling
Kantan 6	Sinopec	drilling
Drilling vessels		
Muravlenko	Noble	drilling
Leo Segerius	Noble	drilling
Roger Eason	Noble	drilling
Valentin Shashin		drilling
Various deliveries		
DAMAST, hydrostatics program	Arup Energy	hydrostatic analysis
DAMAST, hydrostatics program	Taywood	hydrostatic analysis
DAMAST, hydrostatics program	Nam F3	hydrostatic analysis
DAMAST, hydrostatics program	Maersk	hydrostatic analysis
DAMAST, hydrostatics program	Seadrill	hydrostatic analysis
DAMAST, hydrostatics program	Standard Drilling	hydrostatic analysis
Calm	Brown & Root	Calm buoy installation advisor
TCAT, catenary program	Boskalis	mooring system analysis
TCAT, catenary program	Maersk	mooring system analysis

Data presented in this product sheet is for information only and subject to change without notice.

The Netherlands
Karel Doormanweg 66, 3115 JD, Schiedam
P.O. Box 11, 3100 AA Schiedam
Telephone +31 (0)10 232 0000
Telefax +31 (0)10 232 0101
www.SBMoffshore.com / www.GustoMSC.com

USA
1255 Enclave Parkway
Houston TX 77077
Telephone +1 281 848 6000
Telefax +1 281 848 6100