

GENCHART
MANAGERS OF THE GREEN FLEET

GREENFLEET



17000 DWT OPEN HATCH, BOX SHAPED, MULTIPURPOSE TWEENDECKER

mv **Maria Green** - built 1998
mv **Marion Green** - built 1999
mv **Margaretha Green** - built 1999
mv **Makiri Green** - built 1999

mv **Marinus Green** - built 2000
mv **Marissa Green** - built 2000
mv **Magdalena Green** - built 2001
mv **Marlene Green** - built 2001

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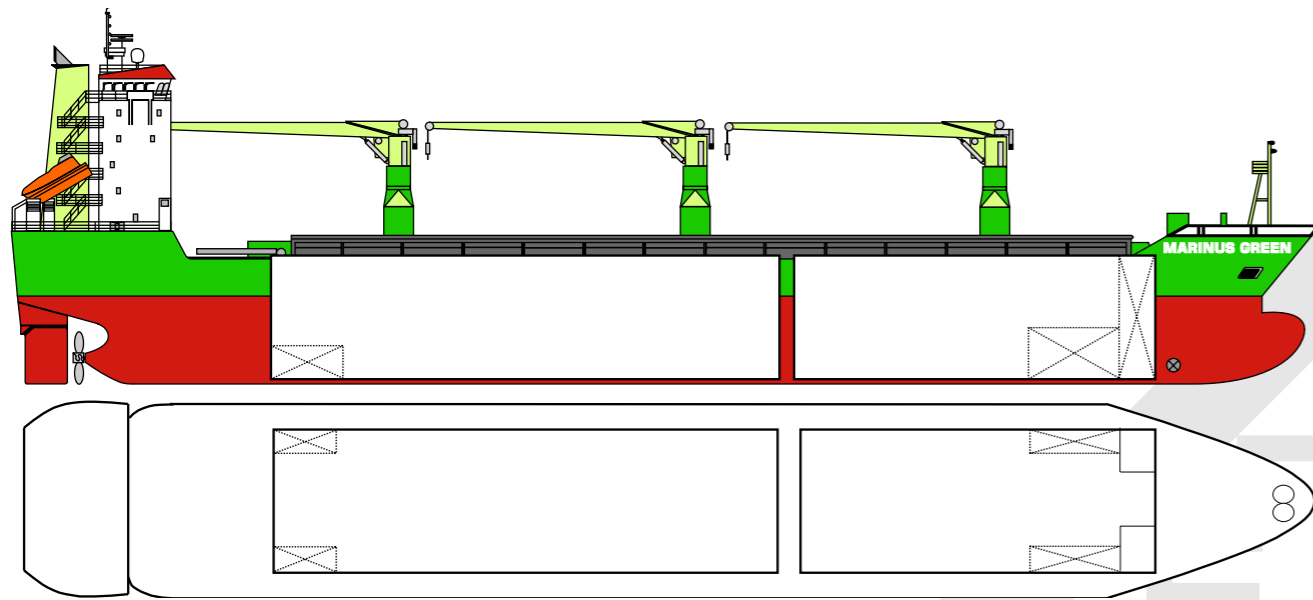
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Version 5
April 2002



Flexible: as singledecker

The M-type is an open hatch, fully box shaped, doubleskinned tweendecker convertible into singledecker, designed for the carriage of all types of dry-cargo, such as project materials, forest products, containers, grains and bulk parcels in every combination. Flexibility is the key word for the future

Built : 1998/2001
 Classification : Lloyds 100 a1 Lmc ums nav 1
 Ice class : 1A Finnish / Swedish
 Port of registry : Rotterdam
 Flag : Dutch
 P & I club : The Standard Steamship
 DWAT : 17.119 mt
 Engine/bridge : aft
 Ttl cubic feet capacity : 701.103 cbft (excl. pontoons)
 (grain equals bale) : 658.086 cbft (incl. pontoons)
 Cubic capacity hold no.1 : 267.012 cbft (excl. pontoons)
 Cubic capacity hold no.2 : 434.091 cbft (excl. pontoons)
 GT : 11894
 NT : 5920
 Length over all : 142.81 mtrs
 Width over all : 21.50 mtrs
 Depth moulded : 13.30 mtrs
 Air draft max (ballast) : 35.40 mtrs
 Draft fully laden : 9.69 mtrs ssw
 Electrical ventilation : 20 A/C basis empty holds
 Waterballast capacity : 5554 mtons

2 Holds / 2 Hatches

Both holds are:
 Fully open hatch – no understow
 Fully box and double skinned
 Fully square – except for the below mentioned box structures due to vessel's outer shape.
 Fully flush: no pipes cables or ladders in holds.

No. 1
 Hatch weather deck: 35.86 x 17.75 mtrs (lxb)
 Hold: 35.86 x 17.75 x 13.37 mtrs (lxbhx)

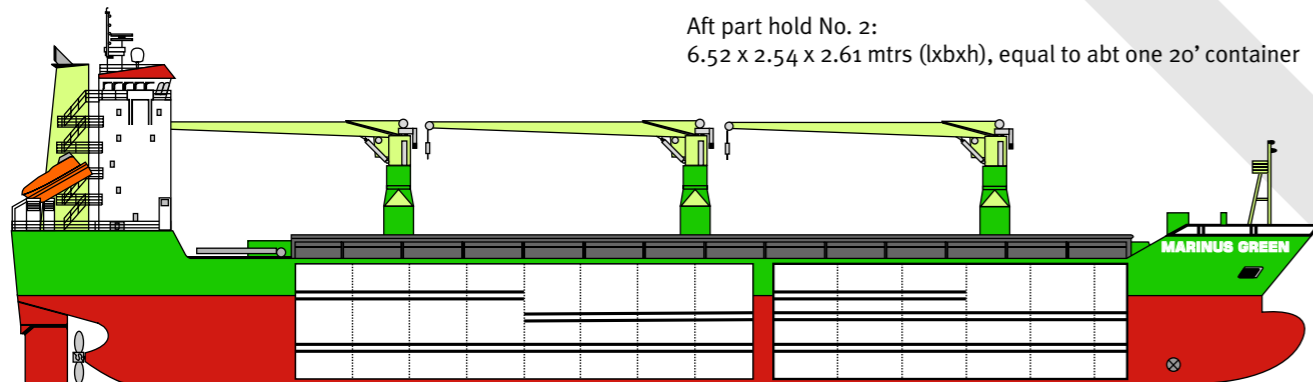
No.2
 Hatch weatherdeck: 52.08 x 17.75 mtrs (lxb)
 Hold: 52.08 x 17.75 x 13.37 mtrs (lxbhx)

Box structures in the holds both sides:

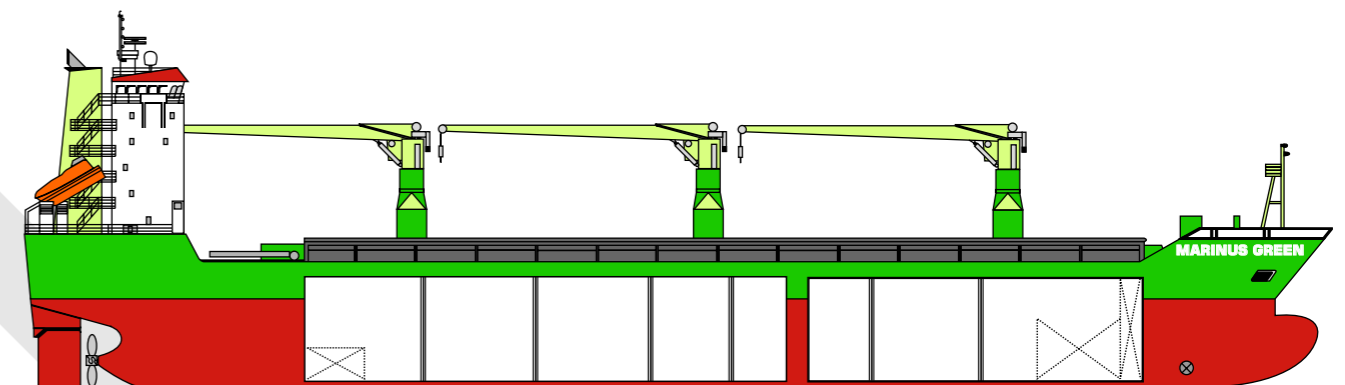
Forepart hold No. 1:
 13.04 x 2.54 x 7.85 mtrs (lxbhx), equals to abt one 40' container length and width and three 40' containers high

The foremost part in hold no.1 is an extrusion of abt 3.26 x 7.81 x 13.13 mtrs (lxbhx) from the tanktop to the weatherdeck. This extrusion maybe closed by placing a tweendeck pontoon in a vertical position

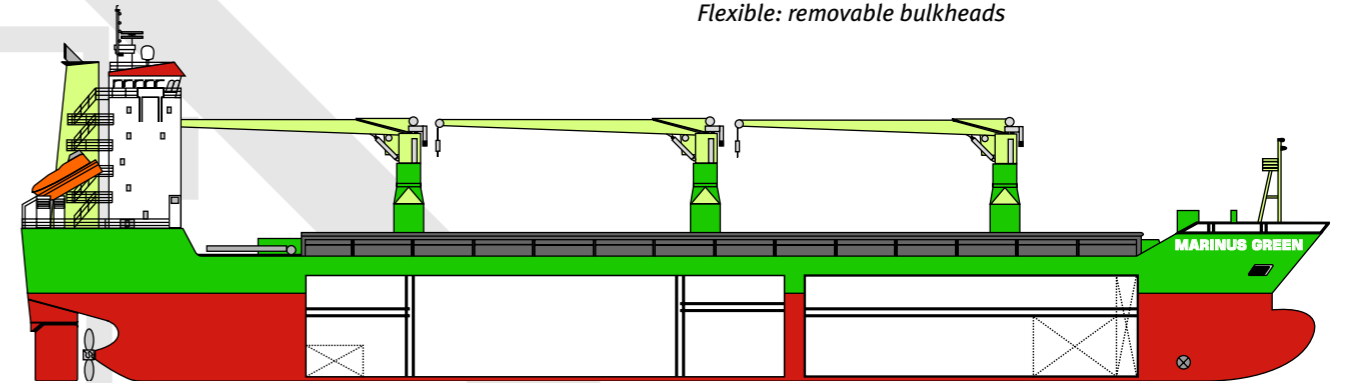
Aft part hold No. 2:
 6.52 x 2.54 x 2.61 mtrs (lxbhx), equal to abt one 20' container



Flexible: as tween or tripledecker



Flexible: removable bulkheads



Flexible: Tweendeck and bulkheads combined

The tanktop is fully fitted with flush 20 feet container fittings which may also be used to fit D-rings for conventional lashing.

The vessel is equipped with a fully flush tweendeck, consisting of loose tweendeck pontoons of each: 17.75 x 6.52 x 0.90 mtr (lxbhx) which can be placed individually and at following different heights:

	hold 1	hold 2
no 3	10.13 mtrs	10.13 mtrs
no 2	6.94 mtrs	7.92 mtrs
no 1	4.58 mtrs	4.58 mtrs

(Distance measured from tanktop till underside tweendeck pontoon. Pontoon height 90 cm)

Also the tweendeck pontoons can be used as vertical bulkheads at every 20 feet interval.

Max. pressure tanktop	: 20	mt/sqm
Max pressure tweendeck	: 4	mt/sqm
Max pressure weatherdeck	: 1.75	mt/sqm

Cargo cranes

3 cranes fixed on portside, each with a capacity of 60 mt at a reach of 16 mtr, alternatively the reach can be increased to 28 meters but then the capacity of the cranes decreases to 40 mt each.

The cranes can be combined to handle pieces upto 110 mtons but not the entire holds/hatches can be served with this maximum lifting capacity. Free distance between the cranes is 31 meters.

Main hoisting speed (in meters per minute):

5 mt:	32 m/m
10 mt:	30 m/m
40 mt:	16 m/m
60 mt:	10 m/m

(As from mv Makiri Green:

Auxiliary hoisting upto 12 mt double speed)

Speed / consumption

Abt 16 knots on abt 30 mtons IFO-380 cst RMG ISO 8217:1996 on container draft at max Beaufort 3 and without current. No MDO at sea under normal weather conditions. For manoeuvring and navigation in port / narrow waters vessel burns MDO.

Consumption in port:

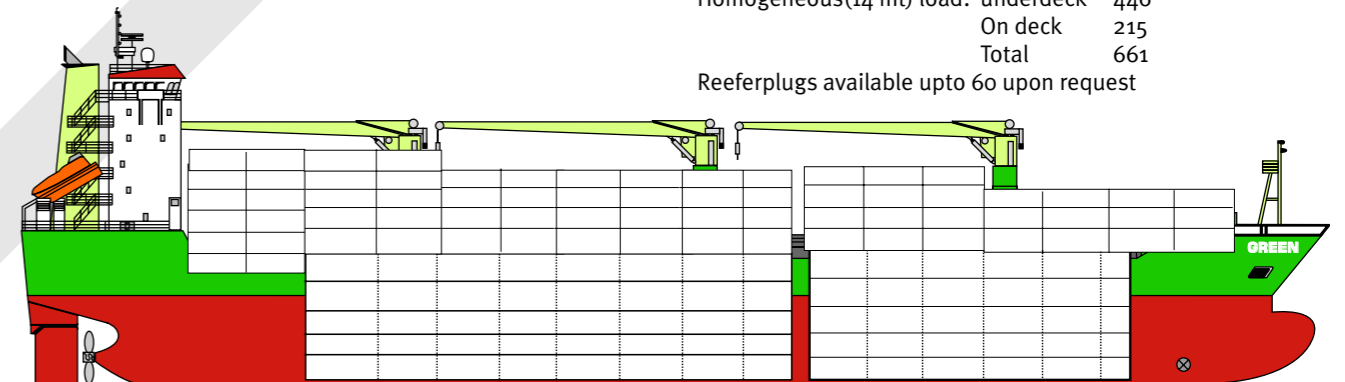
Gear working:	3.0 mtons MDO
Gear idle:	1.4 mtons MDO

Bunker capacity: abt 1386 mtons IFO and 193 mtons MDO

Containers

Total capacity	962 TEU
Homogeneous(14 mt) load:	
underdeck	446
On deck	215
Total	661

Reeferplugs available upto 60 upon request



Flexible: selfsustained container vessel