

# GustoMSC

## Constructor - Flex-lay 550



The Constructor – Flex Lay 550 has been specifically designed to accommodate the requirements of the SURF market. The vessel has excellent sea keeping and DP capabilities in combination with a good transit speed. As an option the vessel can be designed with Ice Class.

The vessel takes a vast amount of products in its below deck carousels and has been provided with a 550 MT Vertical Lay System positioned over a moon pool in the mid ships. Ample crane capacity will be provided in order to service subsea operations as well as the deck and moon pool area.

The vessel's general arrangement and power distribution system has been laid out for increased redundancy according to DYNPOS-AUTRO requirements. The vessel's power generation system can optionally also be executed for DYNPOS-AUTRO under the specified environmental conditions.

### Principal dimensions and main particulars

Length oa	155.0 m
Length pp	149.0 m
Breadth moulded	30.0 m
Depth at side	13.0 m
Transit draught	8.0 m
Design draught	8.0 m

### Classification

The vessel, including the crane is designed according to the rules and regulations of Det Norske Veritas to obtain the Class notation:

⌘1A1 Pipe Laying Vessel SPS E0 BIS DYNPOS-AUTR DYNPOS-ER CRANE

The following optional class notations have been foreseen in the design of the vessel:

DYNPOS-AUTRO  
CLEAN DESIGN  
COMF-V(crn) -C(crn)  
HELDK-SH  
BIS (N)  
DK(+)

### The Netherlands

Karel Doormanweg 66, 3115 JD, Schiedam  
P.O. Box 687, 3100 AR Schiedam

Telephone +31 (0)10 232 0800  
Telefax +31 (0)10 232 0801

[www.GustoMSC.com](http://www.GustoMSC.com)



### Machinery

Power generation:

Main diesel generators	6 x 4,750 kW
Emergency diesel generator	1 x 1,000 kW

### Propulsion and DP

Main azimuthing thrusters	3 x 3,000 kW
Retractable azimuthing thrusters	2 x 4,000 kW
Tunnel thrusters	2 x 1,750 kW

### Speed

Trial speed 14.5 knots

### Accommodation

Accommodation unit	130 persons
Suites	4 cabins
Singles	28 cabins
Doubles	49 cabins

### Helideck

Sikorsky S61N / S92, Super Puma S 76

### Lifting systems

Main crane 450 t @ 16 m	
Auxiliary crane	50 t @ 25 m

### Flex lay system

Tiltable vertical lay system	550 t tension
A&R system	600 t tension
Auxiliary A&R system	200 t tension
Product in cargo hold	3,700 t

### ROV system

Hangar to accommodate two side launched work class ROVs including their launch and recovery systems and umbilical winches

### Anti roll / anti heel system

A blower type anti heeling system combined with anti rolling system, comprising 2 U-type water ballast tanks

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

