

# Zeebouwer

## Jack-up for civil construction

**Owner** Hydro Soil Services, Belgium  
**Builder** Cockerill Yards, Hoboken, Belgium  
**Delivered** 1978

### Description

Four-legged general purpose self-elevating pontoon, GustoMSC type 500. Hull reinforced for arrangement of 80 ton capacity crawler mounted crane and bull rails on SB, PS and bow. Payload 425 tons. Special leg footings for penetration into hard seabeds.

### Main dimensions

Length hull	42.6 m
Breadth hull	20.0 m
Depth hull	4.2 m
Design draft	1.75 m
Leg length incl footing	42.0 m

### Classification, regulations

Lloyd's Register  
 Self-elevating pontoon  
 ⌘ 100 A1 pontoon  
 Belgian Shipping Inspectorate

### Jacking system

Number	4
Design	GustoMSC
Type	hydraulic positive engagement
Size	560 ton active preload

### Variable load

Consumables and construction equipment total 400 tons

### Survival conditions

Waterdepth	16 m
Wave height	10.4 m
Current	2 m/s
Wind speed	45 m/s
Air gap	8.8 m
Penetration	6.5 m

### Operating conditions

Operating conditions when lifting 80 tons standing in 16 m water depth:

Wave height	3 m
Current	2 m/s
Wind speed	15 m/s
Air gap	3 m
Penetration	6.5 m



### GustoMSC services

GustoMSC provided basic design applying the GustoMSC positive engagement hydraulic jacking system. Furthermore GustoMSC provided qualified assistance for commissioning and testing and provided all services required to obtain Lloyd's Register Classification.

*Data presented in this product sheet is for information only. Unit specific specifications as provided by the Owner shall prevail.*

### 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)

