



# SEA CHALLENGER

## Technical specifications

### General

Vessel	SEA CHALLENGER
Type of vessel	Self-propelled jack-up vessel (at charterer's request)
DP2	
Classification	DNV
Flag	Danish

### Technical Dimensions

Length	132 m
Breadth	39 m
Draft	5.3 m
Leg length	83 m
Deck load	15 t/m <sup>2</sup>
Free deck space	3350 m <sup>2</sup> (subject to deck layout)
Total net deck load	5000 t (depending on stability)
Service speed	12 kn Max
Operating water depth	6.5 - 60 m (depending on tide, penetration)

### Jack-leg System

No. of legs	4
Jacking system	Double Hydraulic System
Jacking speed	0.50 m/min
Spudcan footprint	105 m <sup>2</sup>
Wave limit jacking	2.0 m Hs (subject to site specific assessment)

### Main Crane

Type	Gusto GLC-900-ED-S
Main boom length	94 m
Max crane capacity	900 t @ 24 m outreach (+20 m boom 700 t @ 28 m) 650 t @ 30 m outreach (+20 m boom 650 t @ 30 m)

### Cargo Crane

Type	Marine cranes
No. of cargo cranes	5
Main boom length	25 m
Max crane capacity	20 t

### Tank Capacity

Fuel	1000 m <sup>3</sup>
Fresh water	450 m <sup>3</sup>
Sewage tanks	300 m <sup>3</sup>

### Power Sources

Main engines	6 x 3020 kW
Power supply	6.6 kV, 440V, 220V, 110V, 50 Hz

### Charterers' Accommodation

Charterers' personnel	35 persons
Charterers' cabins	35 single cabins
Office facility	2 offices with 6 work desk
Other facilities	Rest lounge (shared with vessel crew) Mess room (shared with vessel crew) Gym facilities (shared with vessel crew)

SEA CHALLENGER, sister vessel to SEA INSTALLER, is based on year's of experience in this market and will be a huge step forward in capacity and possibilities. This vessel can work in three main "modes" and is self propelled and fitted with accommodation for two full installation crews:

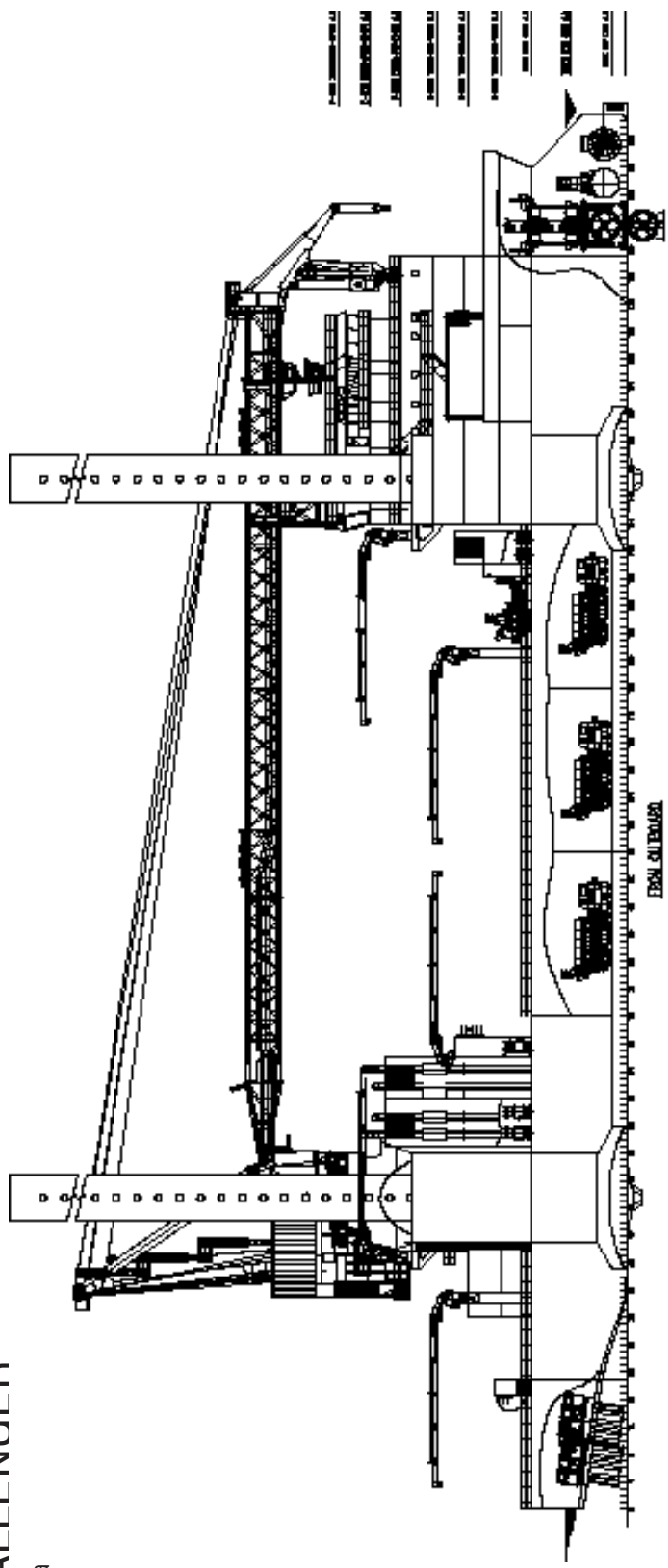
- Floating crane vessel with restricted crane loads
- Semi Jacked up vessel with reduced load on the legs for harbour use and on sites with difficult soil conditions
- Fully jacked up vessel

We have focused on making a vessel with excellent crane position to maximize the usage of the deck area and minimize handling of the cargo on shore and offshore. The vessel is built for operations in tidal areas and difficult soil conditions.

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# SEA CHALLENGER

General Arrra



- 1. MAIN ENGINE ROOM
- 2. SECOND ENGINE ROOM
- 3. THIRD ENGINE ROOM
- 4. FOURTH ENGINE ROOM
- 5. FIFTH ENGINE ROOM
- 6. SIXTH ENGINE ROOM
- 7. SEVENTH ENGINE ROOM
- 8. EIGHTH ENGINE ROOM
- 9. NINTH ENGINE ROOM
- 10. TENTH ENGINE ROOM
- 11. ELEVENTH ENGINE ROOM
- 12. TWELFTH ENGINE ROOM

