



# SEA ENERGY

## Technical specifications

### General

Vessel	SEA ENERGY
Type of vessel	Self-propelled ship-shaped semi jack-up
Classification	Germanischer Lloyd
Flag	Danish

### Technical Dimensions

Length	91.76 m
Breadth	21.6 m
Draft	4.25 m
Leg length	32 m
Deck load	1.5 - 2.0 t/m <sup>2</sup>
Tanktop load	5 t/m <sup>2</sup>
Free deck space	1020 m <sup>2</sup> (subject to deck layout)
Total net deck load	2386 t (depending on stability)
Service speed	7.8 kn
Operating water depth	4.5 - 24 m (depending on tide, penetration)

### Jack-leg System

No. of legs	4
Jacking system	Wire
Jacking speed	0.7 m/min
Spudcan footprint	8.70 m <sup>2</sup>

### Main Crane

Type	Demag CC – 2500
Main boom length	60 m + 12 m Jib
Max crane capacity	110 t @ 20 m outreach (optional up to 450 t subject to boom configuration)

### Cargo Crane

Type	MH Hydralift
Main boom length	11 - 19.5 m
Max crane capacity	27 t

### Tank Capacity

Fuel	405 m <sup>3</sup>
Fresh water	39 m <sup>3</sup>
Sewage tanks	50 m <sup>3</sup>

### Power Sources

Main engines	2 x 1200 kW
Shaft generator	2 x 750 kW
Aux generator	1 x 425 kVA
Power supply	3 x 380 V, 50 Hz

### Charterers' Accommodation

Charterers' personnel	16 persons
Charterers' cabins	14 cabins
Office facility	1 office with 1 work desk
Other facilities	Rest lounge Mess room Gym facilities (shared with vessel crew)

Sister vessels SEA POWER and SEA ENERGY have been providing the offshore wind market with cost effective installation and component replacement services since 2002. These unique leg-suspended, self-propelled vessels are of the semi jacked type and have a relatively short pre-loading time making them extremely efficient in performing their operations.

Both vessels can operate in water depths of up to 24 m.

The vessels can also provide a turbine feeder service with offshore transfer of components made possible by the ability to jack-up and create a stable offshore platform alongside an offshore construction barge.

SEA ENERGY is capable of carrying between two and three turbines in the 2.3MW to 3.0MW range.

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# SEA ENERGY

General Arrangement

