The high speced Damen PSV 3300 can be fitted with an offshore rated, active heave compensated crane. As well as an sturdy A-frame at the stern. As such, the highly maneuverable vessel with DP-2 capabilities, can perform light subsea installation and repair jobs as well as ROV support and diving operations.

CLASSIFICATION SOCIETY
The vessel will be built under the supervision of and according to the Class notations of Lloyd’s Register with the following notation:

Notation: 100A1, (H)LMC, UMS
Flag state authorities: To be determined
An unique eye-catching design, which stands out from anything else in the market. Our vessels are designed with a strong emphasis on functionality, operability and ease of maintenance. Other important design aspects are a good sea keeping behavior, D.E. propulsion, safety and high level of comfort.

CONSTRUCTION SUPPORT VESSEL - LIGHT

We at Damen believe that there has to be a perfect balance between work and recreation. Both, however, should take place in an environment that is safe, comfortable, quiet, durable, easy to maintain and inspiring. And your crew should feel at home. We strived for an optimum design and we have selected high quality materials while meeting the requirements of applicable regulatory agencies.

PRINCIPAL DIMENSIONS AND CHARACTERISTICS
Length overall (hull) 80.10 m
Beam moulded 16.20 m
Draft summer (approx.) 6.15 m
Depth moulded 7.50 m
Speed (at 5m draft) 13.5 kn
Gross tonnage (approx.) 3830 GT (ex. equipment)
Crew & Staff 16 persons
Passengers 6 persons

TANK CAPACITIES
Ballast/drill water 1690 m³
Fuel oil (service) 450 m³
Potable water 810 m³
Fuel oil/base oil 870 m³
Liquid mud/brine 870 m³
Dry bulk 250 m³

ENVIRONMENTAL CONDITIONS
The machinery and equipment are capable of operating continuously under the following conditions:
Seawater temperature -1 up to 32°C
Outside air temperature -10 up to 45°C

CONSTRUCTION
The hull and superstructure are constructed from marine grade A steel.

PAINTING
The paint finishing of the vessel is an epoxy based system according to commercial standards.

DECK EQUIPMENT
Subsea Crane 30t AHC
A-frame 5WL 30t
Knuckle boom crane: 1.4t @ 16m (harbour)

TECHNICAL INSTALLATION
The vessel is propelled by two electrical driven azimuth units with a fixed pitch propeller (Ø2300mm)
Power  1500 kW (2x)
A bow thruster is fitted for optimal manoeuvrability (Ø1740mm)
Power  735 kW (2x)

ELECTRICAL INSTALLATION
For the electrical power generation the following generator sets are provided:
Main Auxiliary (approx.)  2 x 1370 ekW @ 1800 rpm
Emergency/harbour  1 x  238 ekW @ 1800 rpm

CARGO HANDLING SYSTEM
Fuel oil/base oil pumps  2 x 150 m³/hr
Fresh water pumps  2 x 150 m³/hr
Drill water pumps  2 x 150 m³/hr
Liquid mud/brine pumps  2 x  75 m³/hr
Dry bulk compressor  2 x  75 t/hr

NAUTICAL AND COMMUNICATION EQUIPMENT
Nautical Radar X-band + S-band
ECDIS, Conning
DP-system DP-2
GMDSS Area A3

OPTIONALS
- Ballast water treatment system
- Damen E3 notation
- Fire-fighting ship 1, 2400m³/hr + waterspray

The Damen PSV 3300 as Construction Support Vessel-Light, is suitable for many specific operations. The vessel provides you with an interesting opportunity to obtain a versatile platform switchable for, amongst others, light sub-sea construction works.