

# Offshore Light Diving Craft



## HB 1211 003-LDC

The Light Diving/ROV Craft is designed to fulfill and exceed the requirements of diving operations on offshore/near-shore installations in relation to oil, gas and other offshore energy industry infrastructure such, FPSOs, drill rigs, supply vessels etc.

A capable diving light diving craft offering:  
Surface supplied diving using AIR or NITROX.

Specifically designed for flexible diving operations on offshore/near-shore installations and other infrastructure such as quays, FPSOs, drill rigs, supply vessels etc.

The diving control panel is designed with quick access to essential data, built with ergonomics and safety in mind to allow supervisors to concentrate on diver safety. The video screens and diver data can all be customized to provide immediate access to critical information.

Support diving operations to a depth of 50 metres sea water.

Designed for 3 diver operation ; 2 divers in water, 1 standby.

Supports simultaneous ROV and diving operations.

All air and NITROX is supplied from high pressure composite cylinders mounted below deck panels for quiet efficient operation.

Diver Management Systems (DMS) for working divers 1 + 2. Video recording system for all divers.

All contained in a rugged Hukkleberg boat, built for use in the harshest environments—built without compromise.



# Offshore Light Diving Craft—Specification



The Light Diving Craft is designed for ROV and surface supplied mixed gas diving using AIR, NITROX or TRIMIX.

The vessel is equipped for diving operations to a depth of 50 meters of sea water when using AIR, and down to 33 metres when using NITROX.



## Diving System

Breathing gas: AIR or NITROX		Redundant comms. w/ active noise reduction	
Bank capacity 166.400 litres		Blackbox audio and video recording	
Onboard cylinder material: Lightweight composite		Aft deck communications / video station	
Bank pressure 200 BAR. Panel pressure 40 bar		Digital dive monitoring and recording	Diver depth
Number of Divers (3)	2 main + 1 standby		Gas supply pressure (diver/ deck)
Fibron Light Umbilical	2 x 75 m + 1 x 80m		O <sub>2</sub> %
Helmets	Kirby Morgan 5597		Bailout pressure

## Live Streaming for Live Input

Options are available for live streaming of video, audio and diver monitoring data to shore/mother vessel. This can provide invaluable assistance to the diver in the water and help engineers see what is happening subsea in real time.

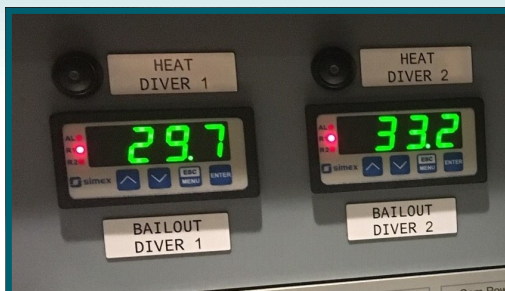
## Compliance Standards

IMCA D-023 + D-037

IMCA D-040 + D-048

PMS = Dive Cert

NORSOK U-100



# Offshore Light Diving Craft—Specification

## Special Features

1	Optional: live streaming of video/audio / data from DMS
2	High capacity UPS power supply for dive system
3	Inverter for redundant power supply during transit
4	Digital display of bailout pressure on supervisor's console for each diver with low O <sub>2</sub> Alert
5	Digital display of diver depth on supervisor's console
6	High resolution video camera on all divers (1000 lines) LED Light 780 Lumen
7	Custom attachment rail for diver helmet on umbilical racks
8	Divers umbilical rack for harness & 80 meter umbilical divers' seat and dress in station, for safe and tidy storage
9	Removable dive ladders at the stern and beam (PT and SB side)
10	Electrical diver heating system integrated in umbilicals, controlled from supervisor console
11	Tender station on aft deck with audio and 15" waterproof display
12	166.400 liters on board breathing gas supply (NITROX) in lightweight composite cylinders



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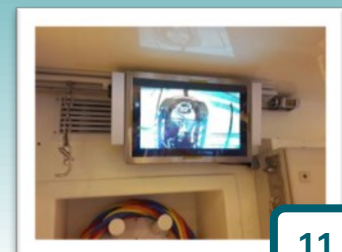
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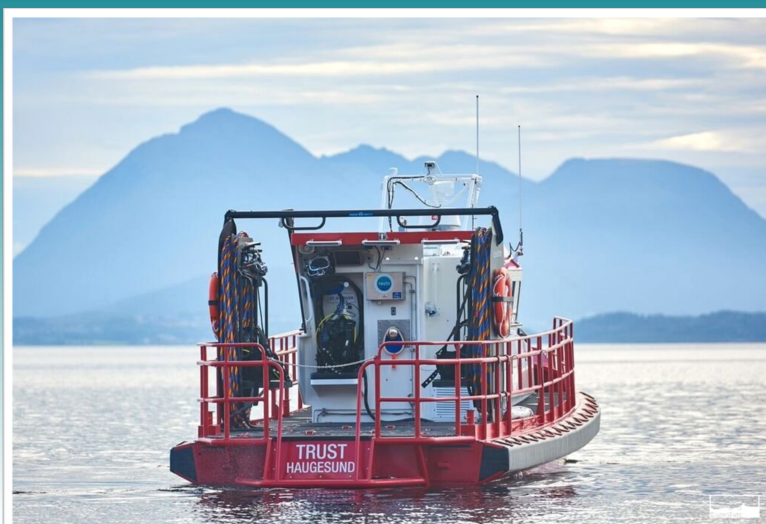


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# Offshore Light Diving Craft—Specification

## Vessel: HB 1211 LDC

Materials	Hull: marine aluminium
	Superstructure: GRP
Overall length	12,65 m
Beam (max)	3,70 m
Typical speed	Approx 30 knots
Wheelhouse Seating	4 persons on air suspension seats
Service weight	10,5T
Engines	2 x 6LYA-STP Yanmar Marine diesel
Power	2 x 370 HP
Propulsion	2 x HJ 274 Water jets
Gear	ZF-220 (reversing)
Generator	6,1 kW (diesel)
Inverter	3 kW 230V
Hydraulics	60 l/min @ 220 BAR
Fuel Capacity	640 litres
Fresh Water	60 litres
Hydraulic Oil	80 litres



## Electronic & Auxiliary Equipment

Simrad Dual 19" touch screen plotters
4G Radar, Autopilot, Echo sounder, AIS
Marine VHF, Loudhailer
LED nav/signal lights and work lights on deck
LED wheelhouse lights (dimmable/white/red)
Searchlight
6,1 kW generator
Seawater utility pump
Hydraulic HP water jetting
Fridge, Webasto diesel heater, Toilet, Sink

## Lifting and Recovery

Henriksen Hooks single point lift
Painter hook
Downline davit
2 x Diver recovery davits
Dacon rescue frame

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