

CRIST S.A.

Gdynia, Poland

Power of experience



WE WORK HERE

OWNERSHIP and EMPLOYMENT

MARS Closed-End Investment Fund 35%

Ireneusz Ćwirko, Krzysztof Kulczycki **65%** management, supervision, administration and technical staff

200

facility workers 240

hull department (welders, hull fitters and grinders) 650

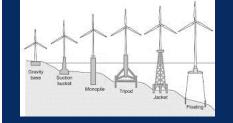
pipe fitting, mechanical and outfitting department 450

OVER 2000 Employees (with long term subcontractors)

CRIST PROJECTS IN WIND RENEWABLE ENERGY



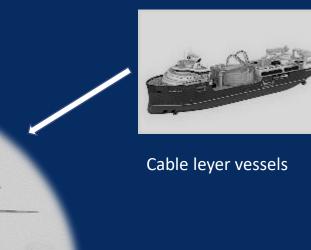
Jack Up installation vessels



Floating fundations

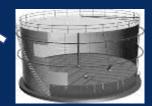


Service and maintenance vessels





Trafo station



Floating cable storage tanks

HEAVY LIFT INSTALLATION JACK-UPS

...at work



INNOVATION 2012



VIDAR 2013

JACK-UP BARGE B 392 "THOR"



MAIN DIMENSIONS:

Length — 70.00 m Width — 40.00 m Height — 6.00 m

LEG DATA:

Length — 82.00 m Diameter — 3.70 m Spudcans \emptyset — 8.50 m

OPERATIONAL CONDITIONS:

Draft (without spudcans) - 3.50 m Draft (with spudcans) - 7.40 m Operating depth - 50.00 m Payload - 3.300 t Deck load - 15.00 t/m² Hoisting capacity - 10.000 t Hoisting speed - 1.20 m/min 2 Moon Pools - Øj 0.90 m

CRANAGE:

Heavy lift crane Liebherr BOS 14000 Crane capacity — 450 t/15.00 m

MOORING WINCHES: 4 single winches pull 30.00 t/each

POWER SUPPLY: Diesel, electric Total output — 5.010 kW Emergency — 700 kW

ACCOMMODATION: 48 persons

HLJV - NB 142 "INNOVATION"



MAIN DIMENSIONS:

Length hull (overall) — 147.50 m Breadth hull — 42.00 m Depth hull — 11.00 m

OPERATIONAL CONDITIONS:

Water depth for jacking — 50.00 m - Up to 65 m (with leg extension) Significant wave height for jacking and DP - Up to 2.00 m Wind Speed for crane operation — 18 m/s DP2 according to GL Class

JACKING SYSTEM:

Number of Legs — 4 Leg cross section — Lattice leg Jacking system — Rack and pinion Jacking speed — Up to 1 m/min Jacking capacity — 30.000 ton

HELIDECK: D = 20.88 m, suitable for Sikorsky S92

THRUSTER AND PROPULSION: 4 x 3500 kW aft azimuth thr. 3 x 2800 kW bow tunnel thr. Vessel speed Up to 12 knots

POWER GENERATION: M. Gensets 6 x 4500 kW + 1 x 1620 kW

CRANE: Crane Lifting Capacity SWL 1500 t @ 31.5 m

ACCOMMODATION: 100 persons

HMV-NB 130 "VIDAR"



MAIN DIMENSIONS:

Length — 140.40 m Width — 41.00 m Height — 9.50 m

LEGS AND SPUD CANS: Length — 90.00 m

Diameter — 4.80 m Spudcan area — 125.00 m²

OPERATIONAL CONDITIONS:

Draught — 6.30 m Operating depth — up to 50.00 m Load capacity — up to 6.500 t 2 Monn pools — Ø 0.8 m

JACKING SYSTEM: Lifting capacity — 24.500 t Lifting speed — up to 0.83 m/min

MAIN CRANE: Offshore crane Liebherr CAL 45000 1200 Litronic Capacity — 1.200 t/27.50 m

POWER AND PROPULSION: Total power — 24.000 kW diesel-electric Emergency generator — 781 kW <u>Transit speed</u> — 10.2 knots

ACCOMMODATION:

90 persons

HEAVY LIFT JACK-UP BARGE NB 105 "ZOURITE"

<image>

CONTINUETS





for construction of offshore viaduct at the island Reunion

MAIN DIMENSIONS:

Length — 106,5 m Width — 49 m Design draft — 5,95 m Maximum air draft (legs up) — 51,65 m Maximum payload — 4730 t Assumed deadweight for design draft — 5550 t 4 main engines (diesel electric) Combined mass of the hull — about 5000 tons.

OPERATIONAL CONDITIONS and CRANAGE:

4 propellers Winch with automatic winch with automatic tension, winch DP1 Two gantry cranes (total lifting capacity 5000 tons)

JACKING SYSTEM:

8 x RCP Continuous Jacking System: Capacity operational — 1850 T Capacity preload — 2850 T Speed — 30 mtr/hr Length — 55.00 mtr Spud pipe diameter — Ø 3.00 mtr

MAIN DIMENSIONS:

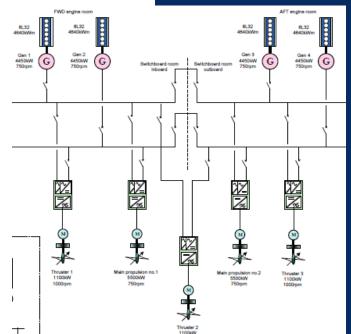
Length overall – 93 m Beam – 18 m Dead weight – 3,200 tonnes Draught (max) – 6.0 m Speed (max) – 13 kn Accommodation – 80-120 POB Deck area – 500 sqm

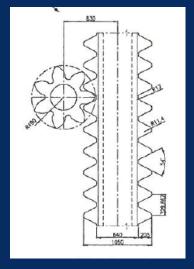
5 SOV Vessels built in cooperation with ULSTEIN



HLJV 2025 - NEW GENERATIONS – WELL RECOGNIZED CHALLENGES







- 6 CONCEPTS WELL RECOGNIZED AND IN DISCUSSION
- 3 JACKING SYSTEMS CONSIDERED
- ADVANCED DISUSSION WITH MAIN CRANE MAKER
- 4 CONCEPTS FOR EXTENDED LEGS INSTALLATION
- RECOGNIZED TECHNOLOGY FOR THICK RACK
- DEVELOPED TECHNOLOGY FOR HIGH DRAFT LAUNCHING
- GREEN PROPULTION
- DRY DOCK FITS FOR LARGEST PROJECTS, FOR BUILDING, SERVICE AND UPGRADES

OTHER SIGNIFICANT PROJECTS DELIVERED IN THE LAST 5 YEARS



The Floating Dock for new land in Monaco



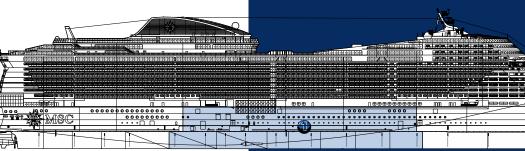


Modern fishing vessels





boool



Plug-in, turn key floating mega blocks for cruisers



Hybrid RO PAX









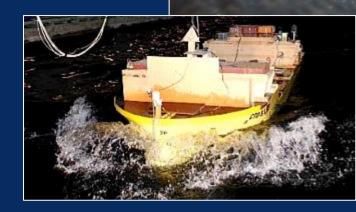
RESEARCH AND DESIGN

CRIST S.A. is cooperating with leding design offices and research and developing institutes in ship design and engineering; whose area of activity includes: shipbuilding, offshore vessels, technical vessels, harbor constructions, research and development.





New Jack up concept created in 2016



MANAGEMENT SYSTEM

DNV.GL

Our company meets the requirements of:

PN-N-18001:2004(DNV GL)150 9001:2015(DNV GL)150 14001:2015(PRS)AQAP 2110:2016(WOT)

CERTIFICATE

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Thank you for your attention!

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