

Rising Phoenix

Self-Elevating, Self-Propelled Liftboat



Platform Maintenance • Well Servicing • Construction • Accommodation



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Rising Phoenix Concept

Self-propelled and self elevating, the liftboat is designed to be an ultra-versatile vessel which gets essential maintenance and servicing work done quickly, before moving on to the next job

Typical services run from liftboats include

- Platform maintenance
- Coiled tubing / well workover / well testing
- Installation / removal of modules
- Accommodation services Typical users of lift boats include
- Oil companies with existing offshore platforms and wells
- Well-servicing companies

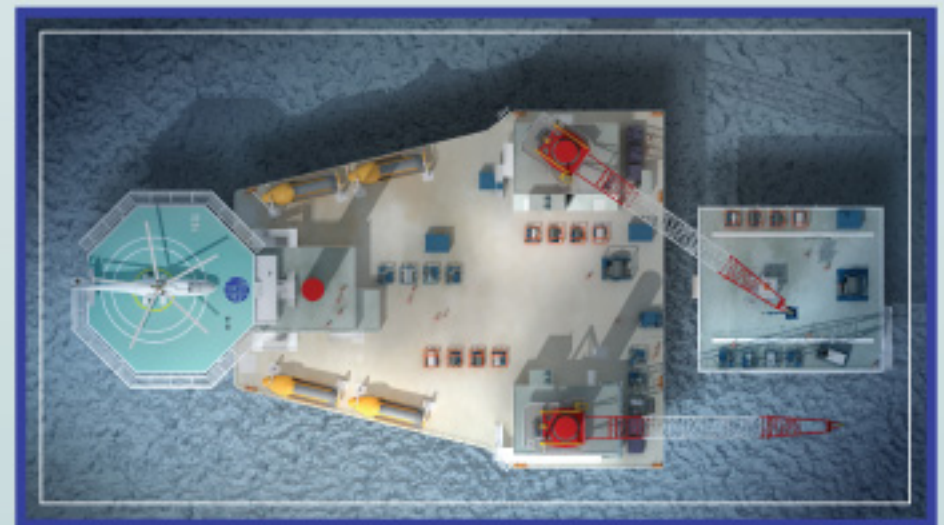
Rising Phoenix designed by the Houston-based Levingston Corporation and its alliance partner Off-shore Mechanics Inc, the Rising Phoenix has evolved from decades of hands-on practical experience in the GoM, combined with years of market research in SE Asia, Middle East and Africa.

Rising Phoenix is the world's largest cylindrical-legged liftboat.

An EBI jacking system lies at the heart of its design with two Techcrane leg-encircling cranes

(LECs) providing a large lifting capacity. The use of LECs together with the unique accommodation layout means that a huge useable free-deck area of around 11,000 square feet is available.

Rising Phoenix can work in water depths up to 65metres (depending on penetrations and environmental conditions)



Major Dimensions

Length over all	57m (187 feet)
Beam overall	44.2m (145 feet)
Hull depth	6.9m (22.5 feet)

Operational Considerations

Mobilization speed	Approximately 6 knots
Self Propelled with Thruster(s)/power	3 x 1,500 hp L-Drives & 1x 600 hp bow thrusters. The L-Drives are powered by variable speed AC motors with bow thrusters
Number of Legs	3 Columnar with internal structure and stiffeners

Maximum Deck Load (ABS):

Moving	680 Metric Tons (750 short tons)
Jacking	680 Metric Tons (750 short tons)
Operating	680 Metric Tons (750 short tons)

Maximum Operating Conditions:

Water Depth	Wind (Knots)	Max Wave (Ft)	Current (Knots)
65m	70	10	1
35m	70	33	1
15m	100	37	2

Survival Conditions:

Wind	100 knots
Wave	35 feet in 15m of water
Current	2 knots
Afloat	
Light weight draft	Approximately 3.1m (10 feet)
Maximum draft with full moving load	Approximately 3.5m (11.5 feet)
Maximum sea conditions when placing unit on operating location	2m or about 6 feet

Crane Specifications

Number	Two (2)
Type / Model	LEC500 (USA Patent#6,607,331)
Manufacturer	Techcrane Global
Boom length	120 feet with optional 20feet extensions
Typical lift capacity at specific radius	Leg Encircling Crane (“LEC”) on the legs. The capacity of the LEC500 crane is 243 metric tons at 9.14 meter radius, 208 metric tons at 10.7 meters & 101 metric tons at 21.34 meters (70ft). Whip/fast line 2.9 metric tons
• Main Hoist	
• Whip line	

Diesel Engine Generator Set

Number	Four (4)
Manufacturer	Caterpillar
Type	3516 or equivalent
Output Approximately	1,070 KW
Fuel consumption per hour under maximum load	500 pounds per hour per engine
Usual total daily fuel consumption	3,300 gals/day estimated main generator set
Type of fuel(s) suitable	#2 diesel

Accommodation

Number of personnel accommodated	160 personnel including navigation crews (optional 70 additional personnel in modular quarters in main deck 2 no Office, VIP rooms with view to open deck area. Also, an area aft of Pilot House control area may act as an office
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Storage Capacity

Operating Deck Load	680 metric tons (750 short tons)
Maximum loading per square meter of the Main Deck free space	4.88 metric tons /sqm
Available total deck space: (Sqm)	Over 1,022 sqm (11,000 sqft)

Helicopter Facilities

Heli-deck Dimensions	As per design criteria for Sikorsky S-92
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