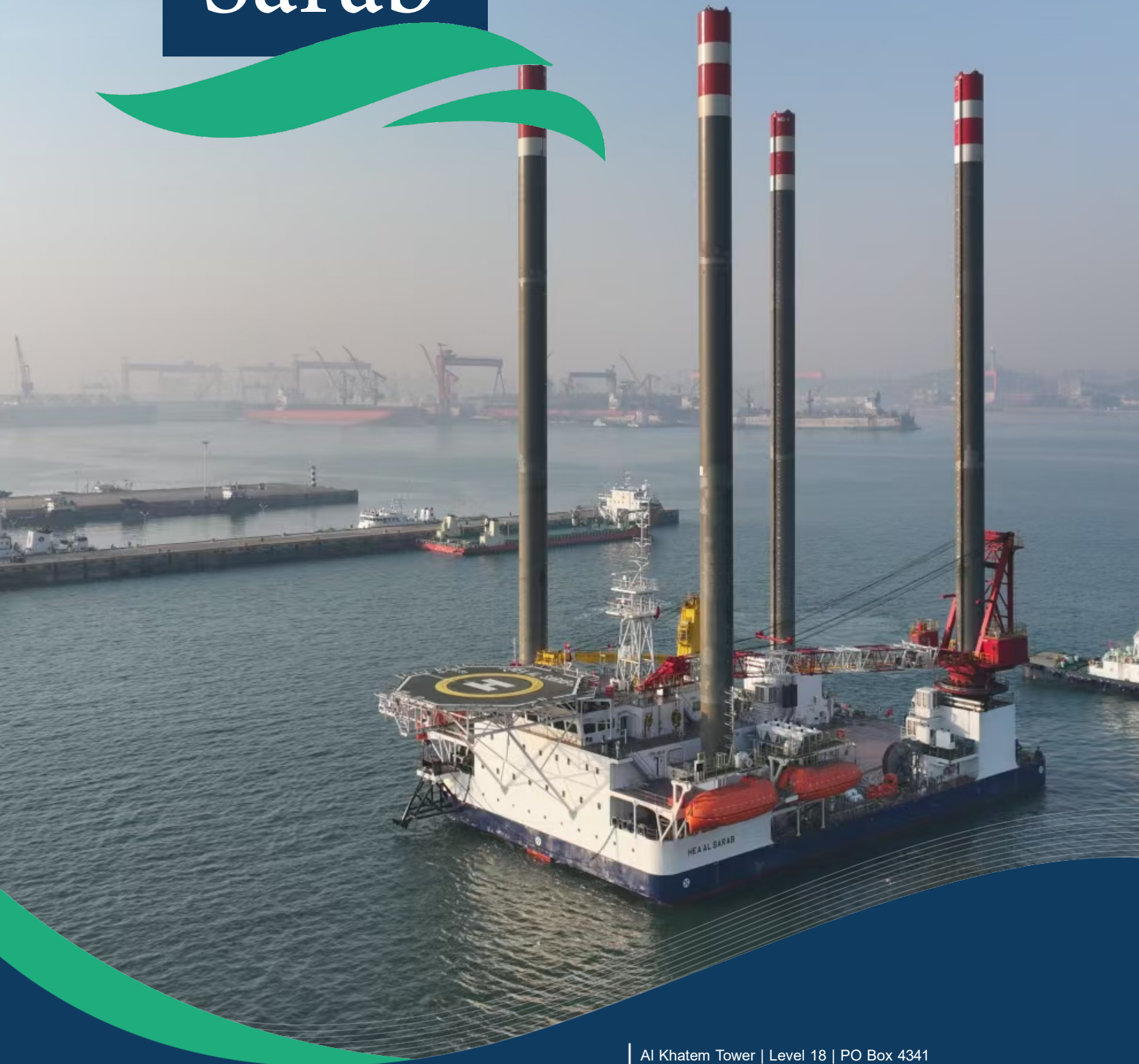


# HEA Al Sarab



# HEA

# Al Sarab

Delivered in 2025 and designed to support a wide range of offshore oil & gas operations including construction, maintenance, and well services.

With a robust structure, spacious deck layout, and adaptable configuration, HEA Al Sarab is well-suited for both shallow and mid-depth marine environments.

## General Information

|                               |   |
|-------------------------------|---|
| <b>Type:</b>                  | Self-Elevating Jack up Barge  |
| <b>Design:</b>                | WMMP  |
| <b>Built:</b>                 | 2025  |
| <b>Builder:</b>               | CSSC-WMMP, China  |
| <b>Class &amp; Notations:</b> | ABS ✕A1, Accommodation Services, Self-Elevating Unit, ©*, ✕AMS, CPS, CRC(OC-PL), ENVIRO-OS, HELIDK, UWILD |
| <b>Flag:</b>                  | Panama  |
| <b>IMO:</b>                   | 1046025   |

## Principle Dimensions

|                            |         |
|----------------------------|---------|
| <b>Length overall LOA:</b> | 80.4m   |
| <b>Hull length:</b>        | 64.2m   |
| <b>Hull breadth:</b>       | 35.4m   |
| <b>Total beam (BOA):</b>   | 35.4m   |
| <b>Hull depth:</b>         | 5.6m    |
| <b>Draft:</b>              | 3.25m   |
| <b>Variable load:</b>      | 1000t   |
| <b>Load capacity:</b>      | 5t/m2   |
| <b>Main deck area:</b>     | 1000 m2 |

## Helideck

|                         |                                   |
|-------------------------|-----------------------------------|
| <b>Type/ Diameter:</b>  | Steel / 16.6m                     |
| <b>Capacity:</b>        | 6.8 Tons                          |
| <b>Helicopter type:</b> | AGUSTA, WESTLAND AW 139 / CAP 437 |

## Legs and Spud cans

|                                   |                   |
|-----------------------------------|-------------------|
| <b>Number/Type:</b>               | 4 / Cylindrical   |
| <b>Leg length:</b>                | 85.5m             |
| <b>Spud can type:</b>             | Square            |
| <b>Spud can dimension:</b>        | 7.0 x 6.8 x 1.6 m |
| <b>Spud can bearing area:</b>     | 47.6 m2           |
| <b>Spud can bearing pressure:</b> | 46 t/m2           |

## Jacking System

|                            |                          |
|----------------------------|--------------------------|
| <b>Type:</b>               | Electric rack and Pinion |
| <b>Maker:</b>              | WMMP                     |
| <b>Pinion per leg:</b>     | 12/leg (Total 48)        |
| <b>Elevating speed:</b>    | 0.6m/min - 1.0m/min      |
| <b>Normal jacking:</b>     | 1320t/leg - 110t/pinion  |
| <b>Pre-load jacking:</b>   | 1950t/leg - 165t/pinion  |
| <b>Max normal holding:</b> | 1950t/leg - 165t/pinion  |
| <b>Storm holding:</b>      | 2640t/leg - 220t/pinion  |

## Generators and Machinery

|                             |  |
|-----------------------------|--|
| <b>Main generator:</b>      | 4 x Cummins CCF1200Z-WHT 1200kW @ 1500 rpm |
| <b>Emergency generator:</b> | 1 x Cummins 250 kW @ 1500 rpm              |
| <b>Water maker:</b>         | 1 x 50m3/day                               |
| <b>STP:</b>                 | 250 POB                                    |

## Cranes

### Main crane

|                               |  |
|-------------------------------|--|
| <b>Maker/ Model:</b>          | WMMP CCOC2000-100-40-EH                  |
| <b>Type:</b>                  | Leg encircling crane                     |
| <b>Boom length:</b>           | 44.19m                                   |
| <b>Capacities:</b>            | 100t @ 9.5m-25m, 40t @ 40m Aux 20t @ 43m |
| <b>Hooks above main deck:</b> | Main hook: 49m<br>Aux hook: approx. 50m  |

### Auxiliary crane

|                      |                               |
|----------------------|-------------------------------|
| <b>Maker/ Model:</b> | WMMP SOC500-15-30-EH          |
| <b>Type:</b>         | Pedestal offshore crane at SB |
| <b>Capacity:</b>     | 15t @ 5m-25m, 11t @ 30m       |

## Safety Systems

|                               |             |
|-------------------------------|-------------|
| <b>Lifeboats:</b>             | 4 x 100 POB |
| <b>Life rafts:</b>            | 10 x 25 Men |
| <b>MOB/Fast rescue craft:</b> | 1 x 6 POB   |

## FIFI system

|                       |               |
|-----------------------|---------------|
| <b>Fire pumps:</b>    | 1 x 450 m3/hr |
| <b>Fire monitors:</b> | 2 x 455 m3/hr |

## Propulsion

|                       |                             |
|-----------------------|-----------------------------|
| <b>AFT thrusters:</b> | 2 x 1300kW NGC-NRP180 (FPP) |
| <b>FWD thrusters:</b> | 2 x 400kW NGC-NCT130 (CPP)  |
| <b>Service speed:</b> | 6.5 knots                   |

## Tank Capacity

|                       |          |
|-----------------------|----------|
| <b>Fuel oil:</b>      | 391.4 m3 |
| <b>Fresh water:</b>   | 229.2 m3 |
| <b>Ballast water:</b> | 1090 m3  |
| <b>Brine water:</b>   | 432.2 m3 |
| <b>Endurance:</b>     | 60 Days  |

## Operation Conditions

| Criteria              | Wind     | Hs | Current  |
|-----------------------|----------|----|----------|
| <b>Field transit:</b> | 10.3 m/s | 2m | -        |
| <b>Jacking:</b>       | 10.3 m/s | 2m | 1.03 m/s |
| <b>Water depth:</b>   | 55m      |    |          |

## Accommodation and Facilities

| Configuration:        | Current   |
|-----------------------|-----------|
| <b>1 Man cabins:</b>  | 4 Cabins  |
| <b>2 Men cabins:</b>  | -         |
| <b>2 Men in TLQs:</b> | -         |
| <b>4 Men cabins:</b>  | 46 Cabins |
| <b>4 Men in TLQs:</b> | 20 Cabins |
| <b>Total POB:</b>     | 268 POB   |

## Facilities

Galley, mess room, client offices, meeting room, recreation rooms, gymnasium, changing rooms, coffee rooms, sick bay, Helli reception/ departure facilities, laundry, stores, workshops, and Starlink VSAT.