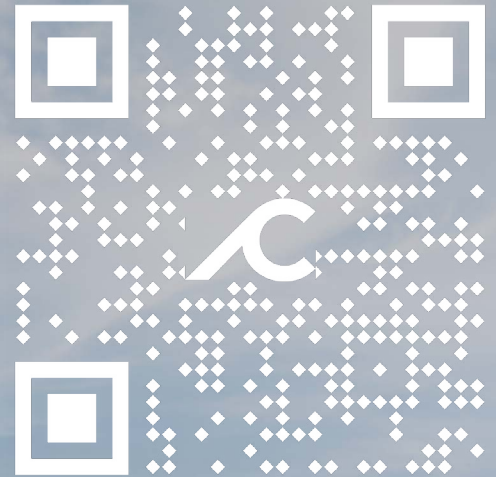


# TECHNICAL SPECIFICATIONS

Wind Turbine Installation Vessel (WTIV)  
Wind Mover



**CADELER**

# TECHNICAL SPECIFICATIONS

## Wind Turbine Installation Vessel (WTIV)

# Wind Mover

### PRINCIPAL DIMENSIONS

|                       |          |
|-----------------------|----------|
| Length hull           | 148 m    |
| Breadth, moulded      | 56.0 m   |
| Depth to main deck    | 11.5 m   |
| Draught hull, max VDL | ~6.3 m   |
| Max. design speed     | ~10.5 kn |

### GENERAL

|             |                                                                            |
|-------------|----------------------------------------------------------------------------|
| Delivery    | 2025                                                                       |
| Shipbuilder | Hanwa Ocean (former name: Daewoo Shipbuilding & Marine Engineering Co LTD) |
| Flag        | Marshall Islands                                                           |

### OPERATING CONDITIONS - ELEVATED

|                        |            |
|------------------------|------------|
| Payload, jacking up to | ~14,000 t  |
| Water depth            | ~10 - 65 m |

### ACCOMMODATION

|                       |                                                                                  |
|-----------------------|----------------------------------------------------------------------------------|
| Max. Capacity         | 130 People Onboard                                                               |
| Cabins                | 38 Single Cabins<br>46 Double Cabins                                             |
| Recreation Facilities | Cafeteria, Recreation Rooms,<br>Fitness Centre, TV Lounges                       |
| Offices               | 2x Client offices, 4 and 6 PAX, in addition 1x<br>shared meeting room for 20 PAX |

### CLASS

GustoMSC NG16000X  
DNVGL 1A Self-Elevating Wind Turbine Installation Unit, Crane unit,  
Battery(Power), BWM(T), ER(SCR, Tier III), Clean(Design), COMFMOU(3),  
Crane, DYNPOS(AUTR), E0, ECA(SOx-A), HELDK, Recyclable, NAUT(OSV),  
Fuel ready (Ammonia), Shore Power, Cyber Security (+)

### TANK CAPACITIES

|                       |                        |
|-----------------------|------------------------|
| Marine gas oil        | ~1,950 m <sup>3</sup>  |
| Fresh water - potable | ~735 m <sup>3</sup>    |
| Water ballast         | ~13,570 m <sup>3</sup> |

### LEGS & JACKING SYSTEM

|                     |                                      |
|---------------------|--------------------------------------|
| Leg Length          | 109 m                                |
| Max. Leg below hull | ~84 m                                |
| Number of legs      | 4 sets of open triangular truss type |
| Jacking System      | Rack and pinion                      |
| Speed, hull lifting | 0.2 - 0.65 m/min (steplless)         |

### MAIN CRANE

|               |                                        |
|---------------|----------------------------------------|
| Main Hook SWL | 2,600 t @ 31 m radius with double hook |
| Whip Hook SWL | 400 t @ 106 m radius                   |

### AUXILIARY CRANES

|             |             |
|-------------|-------------|
| Aux Crane 1 | 25 t @ 30 m |
| Aux Crane 2 | 20 t @ 10 m |
| Aux Crane 3 | 2 t @ 25 m  |

### THRUSTERS

|                                           |                 |
|-------------------------------------------|-----------------|
| Azimuth Stern Thrusters                   | 4 x 3.5 MW      |
| Bow Retractable Azimuth Thrusters         | 1x 3.5 MW       |
| Bow Tunnel / Retractable Azimuth Thruster | 1x 3.5 MW       |
| Bow Tunnel Thruster                       | 1 x 3 MW Tunnel |

### DYNAMIC POSITIONING SYSTEM

|      |     |
|------|-----|
| Type | DP2 |
|------|-----|

### CARGO AREA

|                |                       |
|----------------|-----------------------|
| Main Deck Area | ~5,400 m <sup>2</sup> |
| Deck Loading   | 10 t/m <sup>2</sup>   |

### HELICOPTER LANDING DECK

|            |        |
|------------|--------|
| D-value    | 22.2 m |
| Max Weight | 12.6 t |