Seven Borealis is a pipelay and heavy lift vessel capable of operating in the world’s harshest environments.

- Length 182m x breadth 46m
- 600t tension S-lay up to 46-inch pipe diameter
- 937t top tension J-lay system up to 24-inch pipe diameter
- 2,800t onboard pipe storage
- Mast crane: capacity main hoist 5,000t; 1,200t heave compensated aux hoist
- Accommodation for 399 persons
- 2x work-class ROVs
- SPS code compliant
- MODU certificate (for POB 260)

Fast Facts

- J-Lay tower with gimballing function extending weather capability
- Proven track record in pipelay, subsea and surface construction, including the renewables sector
- Touch down monitoring capability by ROV at radius of 1,500m from the vessel
- Heave compensated auxiliary hoist with capacity of 1,200t, for use on surface or subsea
- S-lay system configurable for conventional, sliding and swaged Pipe-in-Pipe, with or without piggyback.
The Subsea 7 fleet comprises of vessels that have exceptional versatility, capable of operations worldwide including; pipelay, construction, survey, remote intervention, diving support, heavy lifting operations, renewables and decommissioning.

### General Information

<table>
<thead>
<tr>
<th>Type</th>
<th>Pipelay / Heavy Lift</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNVGL Class Notation</td>
<td>CLEAN(DESIGN) D(+)_DYNPOS(AUTRO) ED HELDKS, H</td>
</tr>
<tr>
<td>Call Sign</td>
<td>NAUT(AW) OPPF</td>
</tr>
<tr>
<td>Flag</td>
<td>C6YG8 Bahamas</td>
</tr>
</tbody>
</table>

### Principal Dimensions

- Length Overall (m): 182.2m
- Breadth (m): 46.2m
- Depth Main Deck (m): 16.1m
- Transit Speed (knots): Approximately 11 knots

### Main Deck

- Clear Deck Area (m²): 730m²
- Deck Strength (t/m²): 10m²
- Pipe Deck Storage Capacity: 2,800t

### Tank Capacities (100%)

- Fuel Oil HFO (m³): 3,370m³
- Marine Gas Oil (m³): 2,980m³
- Lubricating Oil (m³): 92m³
- Fresh Water (m³): 2,620m³
- Ballast Water (m³): 41,076m³
- Technical Water (m³): 760m³

### Power and Propulsion

- Main Engines/Generators: 6 x Rolls-Royce B32:40 V12A 720 rpm diesel engines / 5,760kW each
- Main Crane Comments: Two main blocks/hooks to allow jacket upending
- Joint Type: Double Joint Module: Provision to fabricate double joints
- Pipe Range (inches): 4-inch minimum, 24-inch maximum with coating (Friction Clamp), 36-inch with coating (Collar), 72-inch clearance for passing through inline tees, etc
- ROVs (No. and type): 2x work-class ROVs, ACV type by Schilling

### Cranes

- Main Crane Capacity (mt): 5,000t (stability permitting)
- Cranes: Dual Main Hoist, Revolving

### Pipelaying System

- Rigid S-lay:
  - Max Tension (t): 600t dynamic
  - Pipe Range (inches): 3x Huisman horizontal two track tensioners
  - Storage Capacity of Pipe (t): 2,620t Portside
- Rigid J-lay:
  - Max Tension (t): 937t dynamic
  - Pipe Range (inches): 4-inch minimum, 24-inch maximum with coating (Friction Clamp), 36-inch with coating (Collar), 72-inch clearance for passing through inline tees, etc

### Joint Type

- Double Joint Module: Provision to fabricate double joints onboard

### ROV System

- ROVs (No. and type): 2x work-class ROVs, ACV type by Schilling
- Operating Depth Rating (m): 3,000m with 1,500m long tether

### Accommodation

- Persons: 399
- Berths (No.): 18x single berth, 17x double berth, 87x 4 man berths
- Cabins (No.): 127

---

© Subsea 7, March 2020. Information correct at time of going to press