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|-------------------|---|---|
| Client / Operator | : | Subsea 7 |
| Project name | : | Pipelay / Heavy Lift SEVEN BOREALIS |
| Construction yard | : | Sembawang Shipyard Pte Ltd |
| Country | : | Singapore |
| Period | : | Dec 2009 - Oct 2011 |
| Category | : | Conceptual design support Engineering and consultancy Construction, testing and commissioning supervision |

PROJECT DESCRIPTION

Subsea 7 requested assistance from The Offshore Partners to support the design, engineering and construction of the pipelay equipment, onboard the new building Pipelay and Heavy Lift Construction vessel SEVEN BOREALIS. The mono-hull vessel, is capable of lifting 5,000t, or lift up to 6,000m of water depth and to install pipe both in S-lay and J-lay mode up to 3,000m water depth.



TECHNICAL DATA

Principal Particulars

| | | | |
|------------------|---|---------------|-------|
| Length over all | : | 182.25 | m |
| Breadth over all | : | 46.20 | m |
| DP system | : | Kongsberg DP3 | - |
| Main crane | : | 5,000 | t |
| Accommodation | : | 405 | pers. |

S-Lay

| | | | |
|---------------------|---|---------------|------|
| Pipe range | : | OD 4.5 - 46 | inch |
| Tension capacity | : | 3 x 200 | t |
| A&R capacity | : | 1x600 + 1x200 | t |
| No. of workstations | : | 11SJ or 6DJ | - |
| Operating depth | : | 20 – 3,000 | m |

J-Lay

| | | | |
|---------------------|---|------------------|------|
| Pipe range | : | OD 4 – 36 | inch |
| Tension capacity | : | 750stat – 936dyn | t |
| A&R capacity | : | 360 | t |
| No. of workstations | : | 2 | - |
| Operating depth | : | 3,000 | m |



OUR SERVICES

The Offshore Partners provided the following services:

- Design support to the S-lay pipe factory
- Preparation of pipelay equipment specifications
- Supervision during design, construction, installation and testing of pipelay equipment

