

Project Datasheet

Project	BP CYPRE - 14" Flexible Flowlines Load out, Newcastle UK, Port of Blyth UK & Trinidad & Tobago
Scope	Loading, transporting and offloading of 6 x 14" Flexible Flowlines

1. Project Overview

September 2023, Subsea7 awarded a contract to Blue Offshore Rental Services (BORS) for the handling of 14-inch flexible flowlines in two basket carousels with one loading tower and associated equipment and services.

2. Scope of Work

The scope consisted of supplying a dual basket carousel system onboard a Heavy Lift Vessel (HLV) and a custom-engineered loading tower with deck repositioning capability, ensuring seamless handling of flexible flowlines, with a total combined weight of nearly 6,000 ton. Blue Offshore provided a comprehensive turnkey solution, in full compliance with clients QHSE standards, including project management, equipment supply, and operational crew.



Contact

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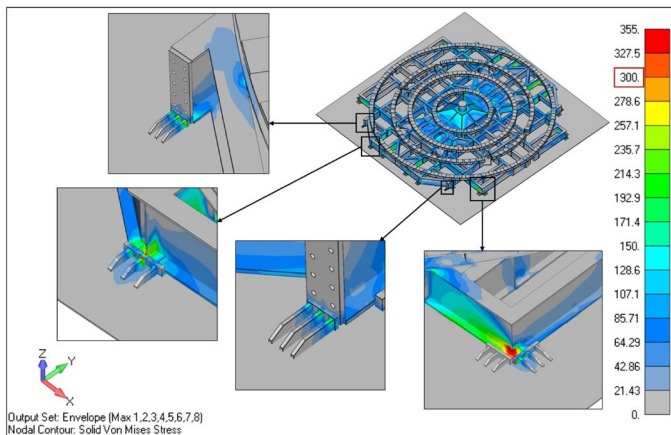
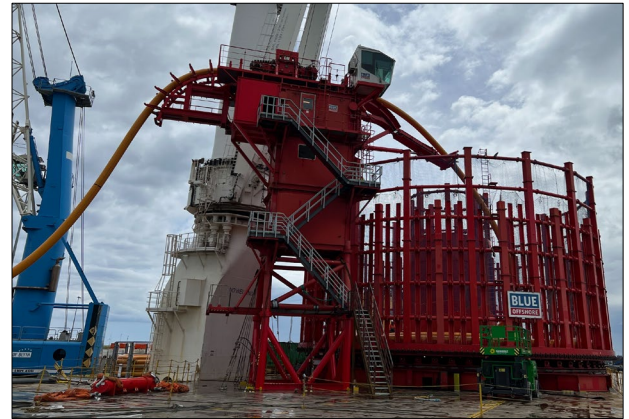


Figure 4.22: Maximum Von Mises stress in the FE model (Enveloped result)



Below a small summary of the events included in the scope of work:

- 4x flexible flowlines in BC02 and 2x flowlines into a 3rd party carousel.
- The deck layout engineering and seafastening was included in the scope.
- The mobilisation of the 3rd party carousel (26m) by barge to Rotterdam to be lifted by HLV
- Readiness of BC02 (wall extension to 12m) with LT01 including height extension
- Mobilisation onto a Heavy Lift Vessel (HLV) in Europe.
- Load-out in Port of Blyth, Newcastle UK

During project execution, load-out configuration has changed into a 3x Flowline in BC02 and 3x flowline in 3rd Party carousel and all adjustments have been prepared and executed on time.

The loading tower LT01 contains a 15Te vertical 2-track tensioner with pivoting function to spool the product and handle the end fittings. Equipped with two pre-prepared seafastening locations, allowing repositioning for each carousel to maximize efficiency.



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During the project the nominated tower (LT01) had to be replaced due to other commitments. A fast exchange of towers (LT02 for LT01) occurred in the Port of Blyth after completion of spooling to allow continuation of the project, and loadout in Trinidad done by LT02. The replacement tower also contains a 15Te vertical 2-track tensioner with pivoting function.



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Blue Offshore's 15Te deck tensioner has been used as an addition for the spooling operations in Trinidad.



3. Timing

The project commenced in September 2023. The mobilisation o/b the HLV in Rotterdam was June 2024 and flexible loading in UK June-Oct 2024. Transpooling to installation vessel in Trinidad was performed in Dec 2024/Jan 2025, and all activities successfully completed in February 2025.



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