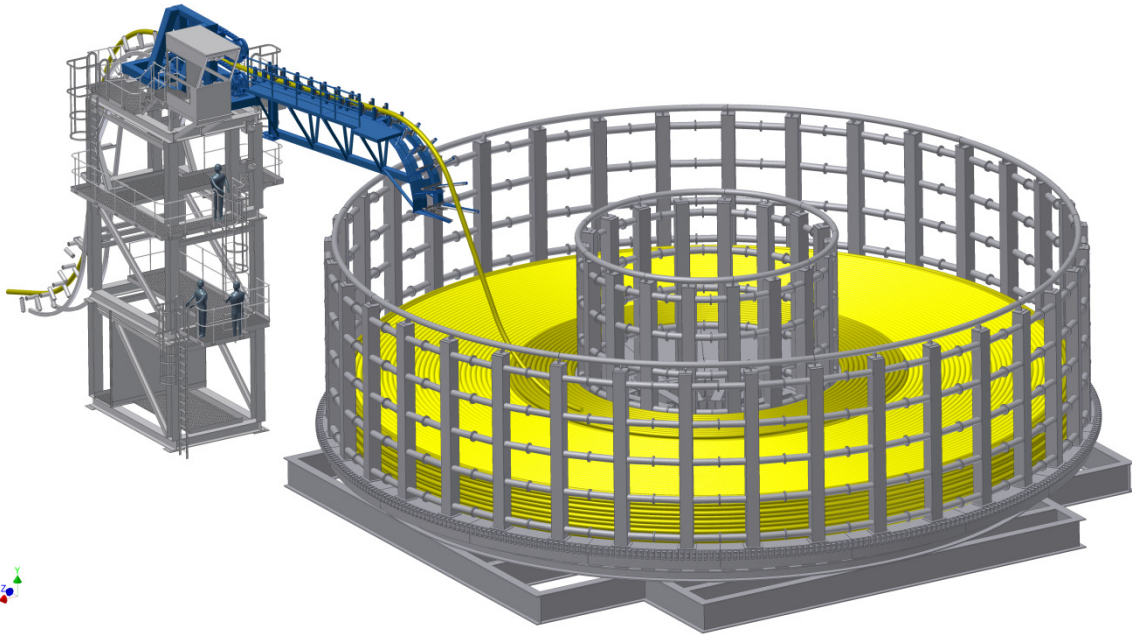


Equipment Specification – 23m Turntable

- Cable holding: 23m diameter basket carousel rated to 5,000 tonnes, upgradeable to 28m OD 7,000 tonnes and 32m OD 9,000 tonnes. The inner hub has been designed for 4.0m diameter, while current set-up is with 7.8m inner hub. The wall height of the carousel is 5.5m open framework. The basket carousel can be fitted with inner and outer partitions to separate cables. The grillage underneath the basket carousel will allow lifting the complete carousel.



- Drive system: The carousel is turned via 4 hydraulic motors integrated on the base grillage for rapid mobilisation/demobilisation. The arrangement uses a set of sprockets on a high-strength conveyor chain bolted to the outer periphery of the carousel floor. Electric motors drive hydraulic pumps rated to operate the turntable at 800m per hour and acceleration fully laden in 20 seconds. Cooling for the HPU will come via seawater cooling pump.
- Loading arm assembly: Modular steel tower structure including articulating loading arm to guide and control the product between deck level and the top of the tower. The loading arm both slews and telescopes. There is a tracked 5 metric tonnes tensioner at the top of the tower to provide additional tension during loading. The tensioner is interchangeable with a 10 metric tonnes tensioner. Local control stand mounted at the top of the tower to allow the operator to control the loading arm and generally monitor operations, including an emergency stop.
- Deck tensioner: Vertically opposed tracks with 2.5m contact length for 10 metric tonnes capacity. Tensioner is capable to handle product range between 30mm and 300mm diameter with max. track opening of approx. 350mm. The track squeeze pressure can be set from the control panel in the control stand on the loading tower. Tensioner measurement is integrated into the tensioner base frame using 4-off load cells.
- Deck equipment: There will be over 20m of roller trackways to link the tower to the deck tensioner and overboarding chute. The system will include a 5m bend radius overboarding chute lined with paint or similar low frictional material.