

# PROJECT SHEET

**JOHAN SVERDRUP, NORWAY**  
TRANSPORT

## BOSKALIS

Royal Boskalis Westminster is a leading global marine contractor and services provider. With safety as our core value, we offer a wide variety of specialist activities to the oil & gas and renewables sectors. These activities include marine installation and decommissioning, seabed intervention, marine transport and services, subsea services and marine survey. In addition, Boskalis is a global dredging contractor, provides towage and terminal services across the globe and delivers marine salvage solutions.

By understanding what drives our clients we are able to provide the solutions that enable them to meet their specific business goals. For this reason we are constantly looking for new ways to broaden and optimize our offering and are committed to expanding our proposition, supported by our financial strength.

With our committed professionals in engineering, project management and operations, 900 specialized vessels and an unprecedented breadth of activities in 90 countries across six continents we help our clients in the offshore industry push boundaries and create new horizons.

## INTRODUCTION

Samsung Heavy Industries Co., Ltd. is Equinor's Fabrication and Transport contractor of the Johan Sverdrup project. Boskalis has been awarded by Samsung as transportation contractor for this project.

Johan Sverdrup is an oil field located in the Norwegian sector of the North Sea. The field is located about 140 km West of Stavanger, Norway. The first phase of the development consists of 4 bridge-linked platforms on jackets. Boskalis has transported modules for the Riser Platform (RP) topside early 2018 and the Production Platform (P1) topside onboard of the Iron Lady barge end 2018, early 2019.

## FEATURES

Client	Samsung Heavy Industries Co., Ltd.
Location	North Sea, Norway
Period	end 2018 - early 2019
Contractor	Boskalis



## SCOPE

The Boskalis scope of the Johan Sverdrup project consists of:

- Dry transport of the RP modules RC001 and RC002 onboard of the Dockwise White Marlin from Geoje, Korea to the installation location offshore Norway, via the Suez Canal.
- Dry transport of the RP modules RQ000, RC004, RP NW stair tower and RP SW stair tower onboard of the Mighty Servant 3 from Geoje, Korea to the installation location offshore Norway, via the Suez Canal.
- Dry transport of the P1 topside stowed onboard of the barge Iron Lady onboard of the Boka Vanguard from Geoje, Korea to the Leirvik, Norway, via Cape of Good Hope.
- Wet-tow of the Iron Lady with P1 topside from discharge location to hand-over location.
- Provision of permits necessary for the performance of above mention activities.
- Detailed engineering of the above mentioned activities
- Procurement, supply, delivery, and logistics of all materials, equipment, goods required for the scope of work.



**A** White Marlin and Mighty Servant 3 for RP modules  
**B** Transport P1 topside

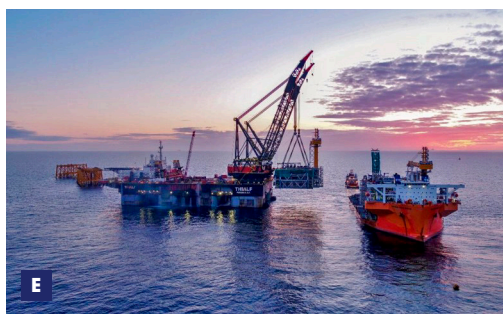
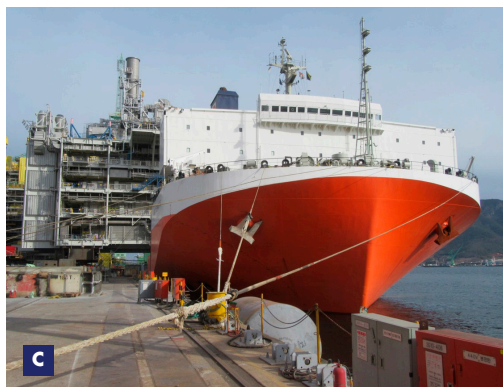
#### MAIN CARGO PARTICULARS

Type	RC001	RC002	RQ000	P1 Topside	Iron Lady
Weight	9,500 t	8,500 t	5,500 t	25,700 t	25,000 t
Length	81 m	81 m	48 m	120 m	200 m
Width	63 m	63 m	50 m	56 m	58 m
Height	20 m	20 m	40 m	46 m	13 m

#### CONCLUSION

The three transports have been executed according plan exceeding Client's expectations without any injuries or accidents.

With the first two transports Boskalis showed it is the largest player in the Heavy Marine Transport. The third transport was of extraordinary size. The total combined loading weight of the P1 topside and Iron lady barge including ballast water was roughly 90,000 t. The Boka Vanguard is the largest and only open bow and open stern semi-submersible vessel in the world. The construction of the Boka Vanguard in 2012 opened up opportunities for transports like the Iron Lady with P1 topside combined, large integrated structures and other large hull shaped cargoes. Next to combined cargo and integrated structures, the Boka Vanguard provides opportunities for the FSRU and FLNG markets as well to increase their schedule reliability and reduce their time to market.



- C** Load-out RP Modules
- D** Transport RP modules
- E** Installation RP modules
- F** Animation Float-on operation P1 topside
- G** Float-on operation P1 topside