

MODULE TRANSPORTATION SOLUTIONS



Darwin, Australia
LNG project, including 19 transports of modules with Finesse from
different fabrication yards to the LNG plant in Darwin



WHO WE ARE

Boskalis is a world leader in heavy marine transport solutions.

We offer significant value to your module transport projects by collectively realizing the lowest overall cost, managing risk, coordinating logistics and optimizing schedules amongst fabrication yards, subcontractors and clients. We focus on maintaining consistency and quality to ensure the success in managing projects of all types and sizes, all over the world. Our unique and personalized approach to project execution and management is the key to our successful track record.

Following the acquisition of Dockwise, we will continue to strengthen our position in heavy marine transport under the name Boskalis. As Boskalis, we are involved with the development, construction, transport, installation, inspection, repair & maintenance (IRM) and decommissioning of offshore and onshore facilities in the international energy industry. With a versatile fleet of more than 900 vessels and floating equipment Boskalis operates in around 90 countries across six continents with 10,700 employees.

With our integrated capabilities and innovative power, we offer a truly unparalleled combination of people, vessels and activities which enables us to break new grounds and create new horizons for our clients.



SAFETY STATEMENT

Our people are our most valuable assets, making safety a core value. Our goal is: No Injuries No Accidents. This is embedded in our company's culture and supported through Values and Rules. All employees, including our sub-contractors, are expected to take these values and rules to heart.

VALUES

- I AM RESPONSIBLE FOR MY OWN SAFETY
- I APPROACH OTHERS ABOUT WORKING SAFELY
- I TAKE ACTION IN CASE OF UNSAFE OPERATIONS IF NECESSARY, I WILL STOP THE WORK
- I ACCEPT FEEDBACK ABOUT MY SAFETY BEHAVIOUR REGARDLESS OF RANK AND POSITION
- I REPORT ALL INCIDENTS, INCLUDING NEAR-MISSES, TO INFORM OTHERS AND BUILD ON LESSONS LEARNED

RULES

- PREPARE A RISK ASSESSMENT FOR EACH PROJECT, VESSEL OR LOCATION
- OBTAIN A PERMIT TO WORK FOR DEFINED HIGH-RISK ACTIVITIES
- MAKE A JOB HAZARD ANALYSIS FOR HAZARDOUS NON-ROUTINE ACTIVITIES
- BE INFORMED ABOUT RISK & CONTROL MEASURES
- BE FIT FOR DUTY AND WEAR THE PPE REQUIRED

YOUR RELIABLE PARTNER

We have an unrivaled track record of providing innovative solutions for our clients' onshore processing plant and terminal developments. As your partner you can rely on our expertise, experience and commitment to executing operations safely, on time and within budget.

Our multidisciplinary engineering, project management, procurement and SHEQ capabilities, combined with our versatile fleet of assets, means we can support you in developing onshore oil and gas processing plants and terminals. With our semi-submersible heavy transport vessel and dredgers fallpipe vessels and sheerlegs we deliver total port development, land reclamation, landfall construction, pipeline trenching and logistical management solutions.

During the Pre Front-End Engineering Design (Pre-FEED) phase we can test different concepts you may have regarding the feasibility of designs for both cargos and material offloading facility (MOF) development. Once the Front-End Engineering Design (FEED) phase is underway we collaborate with you to develop a strategy for the MOF development and the delivery of modules from fabrication yards to the offloading facility. During this phase we can streamline subcontractors and eliminate interfaces.

YOUR RELIABLE PARTNER



“EARLY PROJECT INVOLVEMENT ALLOWS US TO ENSURE THAT OUR CLIENT’S REQUIREMENTS FOR OPTIMIZATION AND FLEXIBILITY ARE MET.”



MODULE TRANSPORTATION SOLUTIONS

Boskalis has a proven track record in executing the largest modular transportation projects. We own a fleet of 22 OVID registered semi-submersible heavy lift and flat deck vessels, 13 large ocean going barges, 5 specialized ocean going tugs and 16 anchor handling tug and supply vessels as well as having

experience in sourcing and managing third-party assets where necessary. Our in-house project management and engineering personnel are experienced in delivering world class onshore modularized projects and a SHEQ system in line with all major oil and gas companies.

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PROVEN TRANSPORTATION SOLUTIONS

“OUR STRENGTH IS SELECTING THE RIGHT TRANSPORTATION ASSET FOR EACH MODULE GROUPING”



Qingdao, China – New Caledonia
Multiple consecutive transports of 15 modules
aboard the Trustee and Transporter



SINGLE INTERFACE TRANSPORTATION MANAGEMENT

- In-house semi-submersible vessels
- In-house tug and barge
- Dock type vessels
- Ballastable vessels
- Self geared ships



COMPLETE PROJECT MANAGEMENT

- Grillage & sea-fastening design, fabrication and installation
- Engineering studies
- Management of risk
- Partnering with SPMT providers, freight forwarding, civil engineering
- MOF design support
- Complete scheduling capabilities



SCOPE OUTSIDE OF TRANSPORTATION

- MOF design and construction
- Land reclamation
- Dredging
- Environmental monitoring
- Offshore installation
- Land fall and pipeline intervention
- Terminal services



DIRECT ON DECK OF THE HEAVY TRANSPORT VESSEL

- Boskalis has a fleet of 13 HTV (Heavy Transport Vessels) divided in two categories:
- Closed stern vessels - Side load-out
- Open stern vessels - Side and stern load-out



PIGGY BACK SOLUTION

- The piggy back solution is a combination of the HTV with flat top barges. Both the HTV and barges are available within the Boskalis fleet
- This concept is one of the most flexible transportation methods



TUG & BARGE

- Boskalis has a fleet of 13 large ocean going barges, 5 specialized ocean going tugs and 16 anchor handling tug and supply vessels. The latest addition are two Giant barges with a free deck space of 120 x 36 meters

PROJECT EXPERIENCE

- LOADING LOCATIONS
- DISCHARGE LOCATIONS

1 METHANEX METHANOL PLANT

Client: Mammoet / Methanex Corp.
Scope: Transportation of 19 modules in 2 consecutive voyages
Loading location: Punta Arena, Chile
Discharge location: Geismar, Louisiana U.S.

2 ESCRAVOS

Client: KBR & Sanprogetti JV
Scope: Transportation of 15 EGTL modules in 3 consecutive voyages
Loading location: Abu Dhabi, U.A.E
Discharge location: Nigeria

3 CONFIDENTIAL CLIENT

Client: Confidential
Scope: Transportation of 50+ modules in a long term time charter contract
Loading location: Ulsan, Korea / Batam, Indonesia / Qingdao, China
Discharge location: Western, Australia

4 WHEATSTONE

Client: Bechtel for Chevron-operated Wheatstone Project
Scope: Transportation of more than 100 modules utilizing 3 transport methods; Direct on-deck, piggy-back and tug & barge
Loading location: Tianjin, China / Batam, Indonesia / Singapore
Discharge location: Onslow, Australia

5 ICHTHYS

Client: JKC Ichthys LNG JV / INPEX
Scope: Transportation of modules in a long term time charter contract
Loading location: Laem Chabang, Thailand / Qingdao, China / Batangas, Philippines
Discharge location: Darwin, Australia

6 CONFIDENTIAL CLIENT

Client: Confidential
Scope: Transportation of 7 modules via piggy back method due to environmental restrictions in Australia
Loading location: Peng Lai, China
Discharge location: Eastern, Australia

7 KONIAMBO

Client: Hatch-Technip on behalf of Koniambo Nickel SAS, a joint venture owned by Xstrata Nickel and Societe Miniere du Sud Pacifique ("SMSP")
Scope: Transportation of 18 nickel plan modules in 4 voyages
Loading location: Qingdao, China
Discharge location: Vavouto, New Caledonia

WHY BOSKALIS?



“BOSKALIS RECOGNIZES ITS RESPONSIBILITY IN CONTRIBUTING TO THE SUCCESS OF OUR CLIENTS”

- Ability to provide transportation solutions to meet your unique project requirements via our fleet or with 3rd parties
- A proven track record on all of the most recent and large module transportation projects
- In-house experienced project managers and engineering personnel deliver outstanding quality deliverables - with flexibility for change
- Local project execution teams
- Unrivalled suite of assets for module transportations

Punta Arenas, Chile to Geismar, LA USA
Transportation of 19 processing modules
aboard Swan/Floating Super Pallet (Barge)



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