

TRANSPORT OF TOPSIDES



- **LOCATION**

Hoboken - Belgium

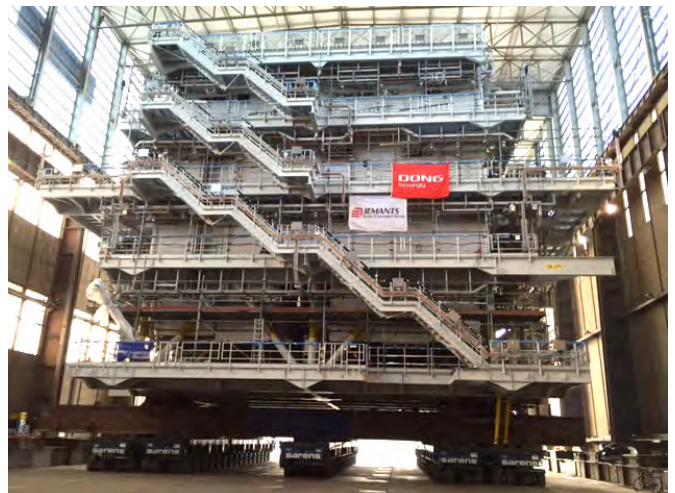
- **CLIENT**

Fabricom

- **PROJECT SUMMARY**

Two transformer modules (1.250T), ordered for the London Array off-shore wind farm in the UK, were built at the Fabricom yard in Hoboken.

Both modules were weighed with the Sarens weighing system to make an accurate center-of-gravity report, needed for the off-shore lifting. After weighing, the two modules were transported and rolled on a seabarge for further transport.



TRANSPORT SUCCESS

• OBJECTIVE

For each module, the scope was the following:

- internal transport (on site) and storage of the main transformer
- internal transport and storage of the shunt reactors
- installation of the main transformers and shunt reactors in the modules
- site moves of the modules from the construction hall to the storage on site
- weighing and load-out of the modules
- SPMT transport from the modules onto the barges

• SOLUTIONS

Equipment used:

- Kamag 2 x 24 axle lines SPMTs new generation (48t gross capacity)
- 8 weighing cells 500T
- hydraulic jack system

Extra support points were needed (besides the four upper grillages) to ensure safe transport and acceptable bending point / distortion of the trailers. The load-out location was subject to a tidal difference of 5-6 m, combined with a strong current of the Scheldt river. This required high-level specifications for the used ballasting and mooring equipment on the barges during the load-out.

• RESULTS

- As a result of world-class development design planning and disciplined execution, the project was successfully completed.
- Factors contributing to the success included strict requirements on engineering and monitoring.

