

# General Cargo

## Job Report

DP World Antwerp, Belgium  
LPS 500



### Situation

DP World is one of the largest marine terminal operators in the world, with 49 terminals spanning 31 countries and five continents. DP World's multipurpose terminal at the Churchill Dock in Antwerp handles steel, paper and other breakbulk cargoes using specialized crane. As such DP World Antwerp is one of the leading general cargo stevedores in the Port of Antwerp.

### Task

Antwerp is an important link in the chain of international trade, thus the port offers various modes of transport, including barge and road transportation and rail facilities. DP World is also engaged in activities to limit the environmental impact of its business operations, particularly by employing industry-leading techniques to reduce the consumption of resources such as diesel and oil, and reusing and recycling where possible.

### Solution

In March 2010 the first LPS 500 was officially commissioned for service at DP World Antwerp. Particularly on narrow quays like this one, individual portal solutions permit (railway) trains and (road) trucks to travel below the portal. The above mentioned environmental record was accounted for by equipping the LPS 500 with an electric main drive, to offer the customer the option of operating the crane from the existing high voltage network.

### Performance

Before the final handover the LPS 500 had to pass a 48-hours endurance test. The obligatory technical requirements of DP World demanded a 98%-reliability. "We had not one second of downtime in 48 hours, this was the best equipment performance test we ever had", says Robby Van Bunder, Technical Manager of DP World Antwerp.

#### LPS 500

Weight (t)	597
Capacity (t)	140
Max. radius (m)	51
Max. vessel size	Post-Panamax (ideal for transhipment)
Portal with rail span (m)	11
Scope of supply includes	Electric main drive – ABB 315 MLB-4

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