

## PRODUCT FOCUS: BARGE SERVER

### THE LOCATION

The Netherlands has always maximized the use of its waterways, including the important area of bi-modal handling between the waterways and roads. The Kocks Barge Server is ideal for the job in these circumstances, due to its tubular lattice design it is lightweight, offers virtually no exposure to wind and therefore has very low wheel pressure. By using advanced power transmission technology, surplus energy is fed back into the electricity grid, which is good news for the environment and for running costs.

### THE TASK

Two Barge Servers are currently in operation in the Netherlands all deployed at inland terminals. The cranes are designed to handle 30 boxes per hour in triple-shifts and have a lifting capacity of 47 tonnes on the ropes when designed for 1 to 4 high-cube stacking. As a result, very short loading times are possible when handling containers.

### THE CRANES

The first Barge Server has a span of 40 meters and effective cantilever arm lengths of 12.5 and 13.5 meters. It has been in use at CTT in Hengelo since 2010 and has proved to be a very reliable addition to the facility. The second, identical crane went into service in the summer of 2012 at MCS, a newly built terminal in Leeuwarden. A third Barge Server, having slightly different dimensions, has been modified to suit the operating conditions in an existing container terminal. Its span is 32.5 meters, the effective length of the boom on the land side is 15.5 with 24 meters on the water side. In this case, two ships moored next to one another can be unloaded simultaneously, or handling from ship to ship is possible.



One thing applies to all three Barge Servers: the slewing trolley has double-winch equipment which can be turned around by approx. 305 degrees. It can be moved carefully and precisely to any container position. The driver can always keep an eye on what is going on from the integrated cabin.

### WHAT THE DESIGNER SAYS

„The Barge Server is an innovative and economically operating crane that optimally exploits the precious spaces behind the quay wall lengthwise and breadthwise. It is especially low in emissions and environmentally friendly. The Barge Server is a true all-rounder at inland ports.“

### CONTACT INFORMATION

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