Kuenz in the Netherlands

Barge Cranes

künz

Accepting today´s challenges.

Aerodynamic Crane Design by Kuenz.

Aerodynamic Crane Design for Nedcargo

H.J.L. van Berkel, Director, Van Berkel Group

„Since van Berkel is a family company with a high focus on technical performance it is a great pleasure to have this Kunz crane in our fleet of machinery and to rely on the Kuenz technical support. Our activities are based on reliability, competitiveness and continuance. We believe Kunz is the best partner to achieve these aims for our customers"

Kuenz Barge Crane with aerodynamic girder at the Van Berkel Logistics Terminal

With the orders of the dutch companies Van Berkel and Nedcargo, another Kuenz Barge Cranes are located in the Netherlands. For Kuenz these projects are primarily a premiere in engineering, due to the patented Aerodynamic Crane Design.

Van Berkel Logistics – Inland terminal in Veghel

When the Terminal Veghel was developed, the Van Berkel Group foundet the company Van Berkel Logistics, to serve as a connector between inland navigation and road transport. Due to the company´s steady business, as well as the confined terminal area, Van Berkel decided to replace the rechstackers with a new gantry crane. The cost/perfomance ratio by Kuenz as convincing. Since 2016, a Kuenz Barge Crane has been in operation at the Veghel Inland Terminal.

Nedcargo – Alpherium Inland Terminal

Next to the Dutch Rhine River, the logistics company Nedcargo Container Terminals B.V. runs the Alpherium Inland Terminal. On an area of 60.000 m^2 two gantry cranes are responsible for the loading and unloding of the barges. One of the existing cranes will be replaced by a new Kuenz Barge Crane in 2017. Due to limited space and continiouus terminal operation, the Kuenz assembly team will be challenged. With a track width of 60 meters, the new Kuenz crane will span the entire dock. In the future, the Kuenz Barge Crane will be used to support the handling of 2.5 million Heineken bottles annually.

The cranes are designed as single-girder bridges with suspension. This system enables a swing-free operation of the crane, when crane travelling, trolley travelling or slewing. Thus ensuring a highly efficient container handling.

Aerodynamic Crane Design

Kuenz meets the future challenges with the patented Aerodynamic Crane Design. The new designed main-girder has an oval section. This design provides the following key benefits:

Reduced wind surface:
- less power requirement for travelling
- reduced energy consumption
- reduction in the dynamic force on wheels, crane way and structure

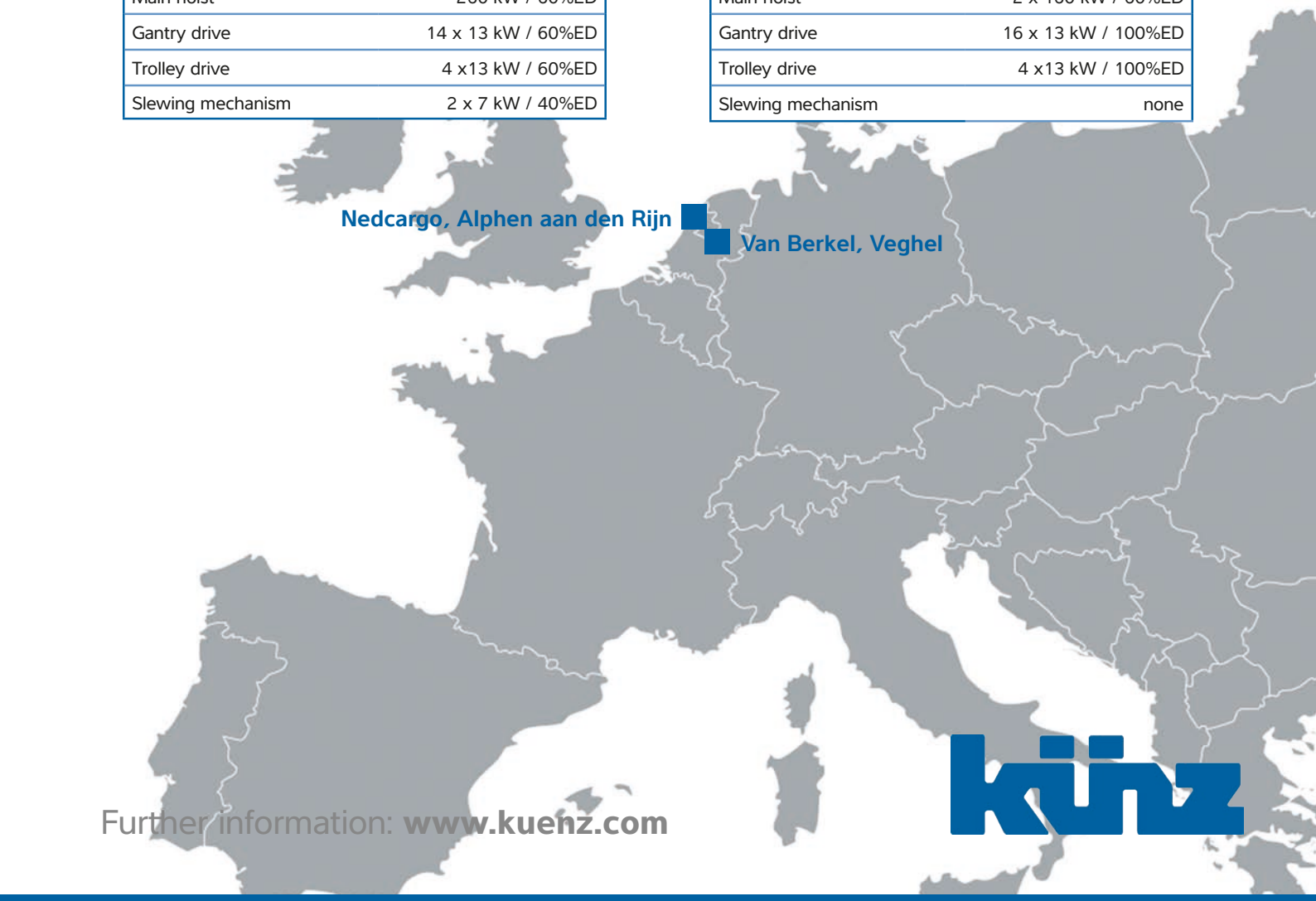
Reduced gantry weight:
- less wheel loads
- reduced quantity of wheels
- reduction in noise

With this patented Aerodynamic Crane Design, Kuenz delivers advantages to the customer regarding the power consumption as well as a reduction in the maintenance costs.

Technical information on the cranes.

Van Berkel Logistics	
Year of construction: 2016	
Capacity	37 t
Track width	41 m
Cantilever fixed post	20 m
Cantilever hinged post	16 m
Lifting height total	18 m
Lifting height over TOR	15 m
Length of crane way	260 m
Working speeds:	
Hoist´s rated load	0 - 30 m/min
Hoist with partial load	0 - 60 m/min
Gantry drive	0 - 100 m/min
Trolley drive	0 - 140 m/min
Slewing	0 - 2 U/min
Power:	
Main hoist	260 kW / 60%ED
Gantry drive	14 x 13 kW / 60%ED
Trolley drive	4 x13 kW / 60%ED
Slewing mechanism	2 x 7 kW / 40%ED

Nedcargo Conainer Terminals B.V.	
Year of construction: 2017	
Capacity	40 t
Track width	60 m
Cantilever fixed post	16 m
Cantilever hinged post	16 m
Lifting height total	18 m
Lifting height over TOR	15 m
Length of crane way	200 m
Working speeds:	
Hoist´s rated load	0 - 30 m/min
Hoist with partial load	0 - 60 m/min
Gantry drive	0 - 100 m/min
Trolley drive	0 - 120 m/min
Slewing	none
Power:	
Main hoist	2 x 160 kW / 60%ED
Gantry drive	16 x 13 kW / 100%ED
Trolley drive	4 x13 kW / 100%ED
Slewing mechanism	none



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