



Railway Cranes for ÖBB

Intermodal Cranes

kühz

Kuenz supports the ÖBB-Infrastructure to guarantee efficient and reliable freight traffic.

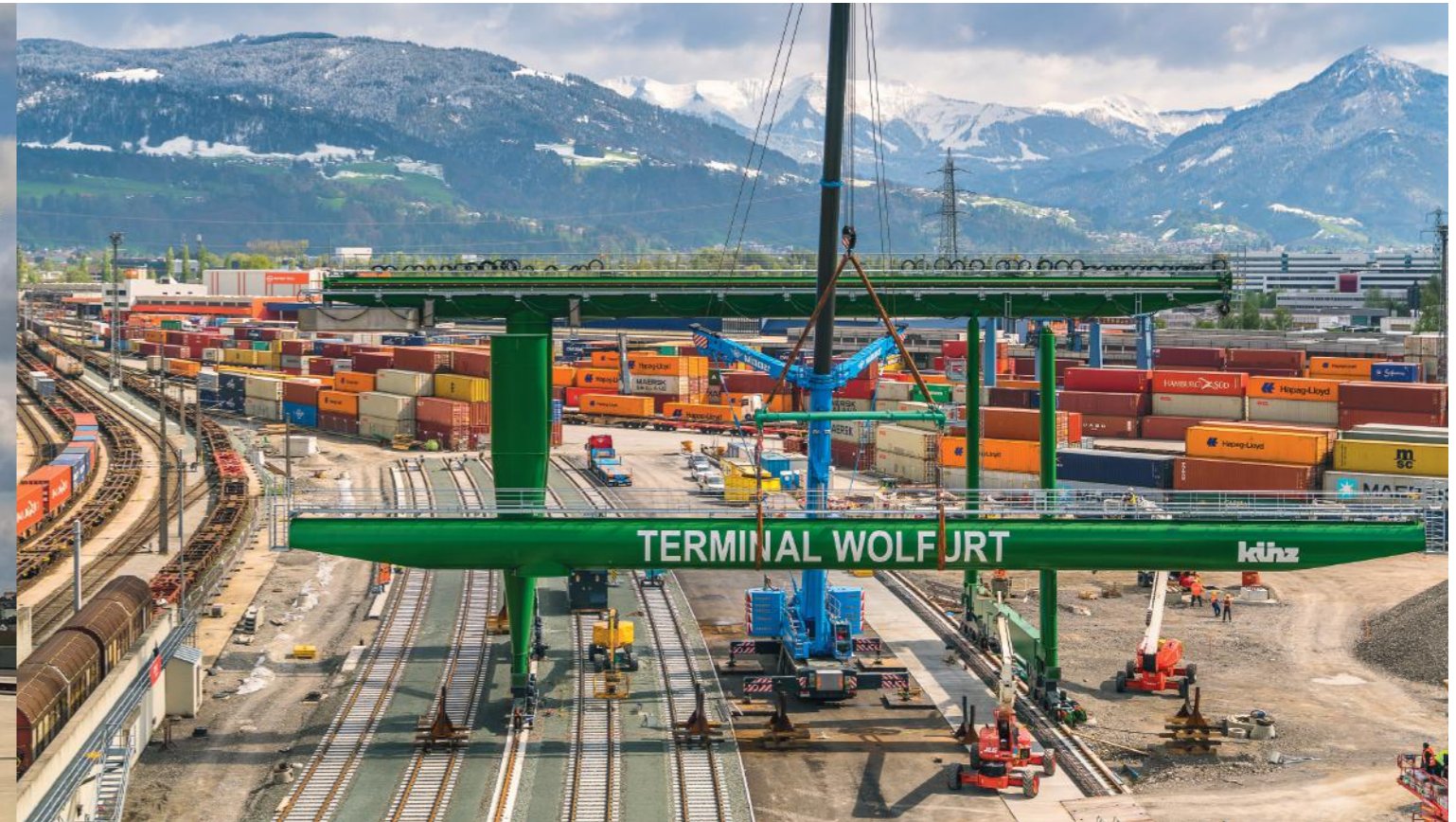
Pioneering handling technology by Kuenz

Erich Possegger, business division Terminal Service Austria of the ÖBB-Infrastruktur AG

„With Kuenz, we have had a reliable partner for many years, even in difficult situations. Reliable high-quality cranes, an ideal cost/performance ratio and strong, reliable service are important parameters for us to be able to offer a high equipment availability to our customers.“



Terminal Wien Süd, Vienna



Terminal Wolfurt, Kuenz Intermodal Cranes with Aerodynamic Crane Design

The ÖBB-Infrastruktur AG is owned entirely by the Austrian Republic, and is primarily responsible for the planning, construction, and operation of the rail infrastructure in Austria. Each year, several million Euros are invested in the development of the railway tracks and railyard technology. Kuenz equipped the ÖBB Terminal Wien Süd and Terminal Wolfurt with a total of four new Intermodal Cranes.

Terminal Wien Süd, Vienna

The new, multifunctional Terminal Wien Süd was established in 2016, in order to enhance the business location in Vienna and to reduce congestion. Thanks to the ideal location of the intermodal terminal, the most important European economic centers are easily reached. For the rail to road annual handling of 210,000 loading units, two Kuenz Intermodal Cranes were installed in 2016.

Terminal Wolfurt, Vorarlberg

In Vorarlberg, the western state of Austria, the Terminal Wolfurt was redesigned. The terminal has doubled its loading capacity and is now fulfilling the requirements of the growing market, which includes the neighboring countries of Switzerland and Germany. In June 2017, the existing Kuenz gantry crane, which had been in operation since 1989, was replaced by two new Kuenz Intermodal Cranes. For the Kuenz team, this project was very exciting, since the Terminal Wolfurt is only a few kilometers away from Kuenz Headquarters, located in Hard, Austria.

Technical information on the cranes

The cranes in Vienna and Wolfurt are designed as conventional double-girder bridges. In addition, the cranes in Wolfurt are moving on a curve. Technical features by Kuenz, such as the proven reeving,

the new Silent Landing System, the Piggy-Back Spreader Camera and the Direct Train Access complete the sophisticated concept.

The Intermodal Cranes in Wolfurt stand out due to their new and innovative design.

Aerodynamic Crane Design

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

Reduced wind surface:

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

Reduced gantry weight:

- less wheel loads
- reduced number of wheels

With this patented Aerodynamic Crane Design, Kuenz delivers advantages to the customer regarding the power consumption.



Technical information on the cranes

| Terminal Wolfurt: 2 Intermodal Cranes | |
|---------------------------------------|---------------------|
| Year of construction: 2017 | |
| Capacity | 41 t |
| Track width | 27 m |
| Cantilever fixed column | 8.7 m |
| Cantilever hinged column | 12.3 m |
| Lifting height | 15 m |
| Length of crane way | 630 m |
| Working speeds: | |
| Hoist's rated load | 0 - 18 m/min |
| Hoist with partial load | 0 - 36 m/min |
| Gantry drive | 0 - 120 m/min |
| Trolley drive | 0 - 100 m/min |
| Slewing | 0 - 2 U/min |
| Power: | |
| Main hoist | 240 kW / 60%ED |
| Gantry drive | 16 x 15 kW / 100%ED |
| Trolley drive | 4 x 13 kW / 100%ED |
| Slewing mechanism | 2 x 7 kW / 100%ED |

| Terminal Wien Süd: 2 Intermodal Cranes | |
|--|---------------------|
| Year of construction: 2016 | |
| Capacity | 41 t |
| Track width | 38.8 m |
| Cantilever fixed column | 7.4 m |
| Cantilever hinged column | 8.9 m |
| Lifting height | 15 m |
| Length of crane way | 740 m |
| Working speeds: | |
| Hoist's rated load | 0 - 18 m/min |
| Hoist with partial load | 0 - 36 m/min |
| Gantry drive | 0 - 120 m/min |
| Trolley drive | 0 - 100 m/min |
| Slewing | 0 - 2 U/min |
| Power: | |
| Main hoist | 240 kW / 60%ED |
| Gantry drive | 19 x 15 kW / 100%ED |
| Trolley drive | 4 x 13 kW / 100%ED |
| Slewing mechanism | 2 x 7 kW / 100%ED |

Terminal Wolfurt

Terminal Wien Süd

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