

## PRODUCT FOCUS: TUKAN 3000



### THE CRANE

A high lifting capacity as well as high working speeds were the precondition to meet the required handling performance of 1,400 t/h. In competition to the former delivered neighbor crane, a GRANDE TUKAN K with integrated hopper, the discharge operation of this crane includes a slew motion to reach the coupled hopper. The crane is equipped with a double rack-and-pinion luffing gear. With view to needed high working speeds and to ensure redundancy also 4 slewing gears have been installed. Due to the big outreach of 63 m transshipment operation directly from ocean-going vessels to river ships are possible without any difficulties.

### WHAT THE CUSTOMER SAYS

"On average, since their installation, these cranes have handled 1.5 million tonnes of copper concentrates annually. The ore is discharged, stored and transhipped to Hamburg. Since being installed in 2006, the first change of ropes was not required until 2009"

### CONTACT INFORMATION

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### THE CUSTOMER

The private Port of Brunsbüttel is located at the mouth of the Elbe River as it flows into the North Sea. Brunsbüttel Ports GmbH provides services in cargo handling, warehousing, transshipment and project logistics for customers from the greater Hamburg region as well as throughout Germany and internationally. Brunsbüttel has transport connections to truck, train, feeder and barge both at the land-sea interface and for hinterland transports. It is a busy logistics hub that has recently seen a focus on, and large investment in, bulk cargoes. As a result the port has achieved fast turnaround, high levels of productivity coupled with safety and reliability and gained a major contract to handle raw materials (copper ore).

### THE TASK

The port was looking for efficient lifting technology for serving ships with a capacity of up to 160.000 DWT, loaded mainly with copper concentrate. The crane should be able to serve a separate hopper, connected to a quay belt conveyor and need enough outreach for ship-to-ship operation, a good productivity record and high availability. As a result, and after project consultation the decision was made to invest in the TUKAN 3000.

### CRANE SPECIFICATION

|                      |                   |
|----------------------|-------------------|
| HOISTING CAPACITY    | MAX. 120 T        |
| OUTREACH             | MAX. 63 M         |
| TRACK GAUGE          | 15.1 M            |
| HANDLING PERFORMANCE | APPROX. 1,400 T/H |

