



12th INTERMODAL AFRICA

KRANUNION

KIROW, ARDELT AND KOCKS





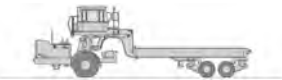

THE MEMBERS OF KRANUNION











SPECIALIZED PRODUCTS







KIROW

Multi Tasker	
DESEC Tracklayer	
Switch Tilter	
Slag Taurus	
Multi Flexus	
Multi Mover	

ARDELT

Tukan	
Tukan K	
Kondor	
Kondor K	
Kranich	
Pelikan	

KOCKS

Boxer	
Digger	
Goliath	
Feeder Server	
Barge Server	
Terminal Server	

INDUSTRY FOCUS / BETTER UNDERSTANDING OF THE LOGISTICS PROCESS



Steel mill



Shipyards



Bulk Handling



Tracklaying



Container handling



General Cargo Handling

KIROW

World Market Leader for railway cranes and slag pot carriers



KOCKS

World Market Leader for Goliath cranes and
Pioneer for development container cranes



ARDELT

World Market Leader for double jib level luffing crane



KRANUNION / INTERNATIONAL PRESENCE



To us customer proximity means better understanding of our customers, better expert advice and better service.



PRODUCT INDEPENDENT CONSULTING

EXAMPLE BULK HANDLING

We offer the best solution according to purpose and handling capacity.



KOCKS: Digger



ARDELT: Tukan K

FROM ARDELT TO ARDELT

- 1902 founded by Robert Ardel & Söhne – Leichter Stahlbau und Hebezeuge
- 1920 – 1930 Ardelwerke – railway cranes, slewing cranes, Gantry cranes and locomotives
- 1950 -1989 VEB Kranbau Eberswalde – member of TAKRAF – R+D, engineering, manufacture of port handling technologies
- 1990 Renaming to Kranbau Eberswalde GmbH
- 1994 Privatisation to Vulkan Kranbau Eberswalde GmbH
- 1997 Reorganisation and remaining in KIROW Leipzig KE Kranbau Eberswalde AG
- 2008 Remaining in Kirow Ardel



The Patent for the Double Level Luffing Crane



The Patent for the Double Level Luffing Crane



Lenker-Wippkran 5 t x 18/8 m Ausl. Karlskrona

DOUBLE JIB LEVEL LUFFING CRANE



Construction double jib system



THE EFFICIENT CRANE THE TUKAN KANGAROO



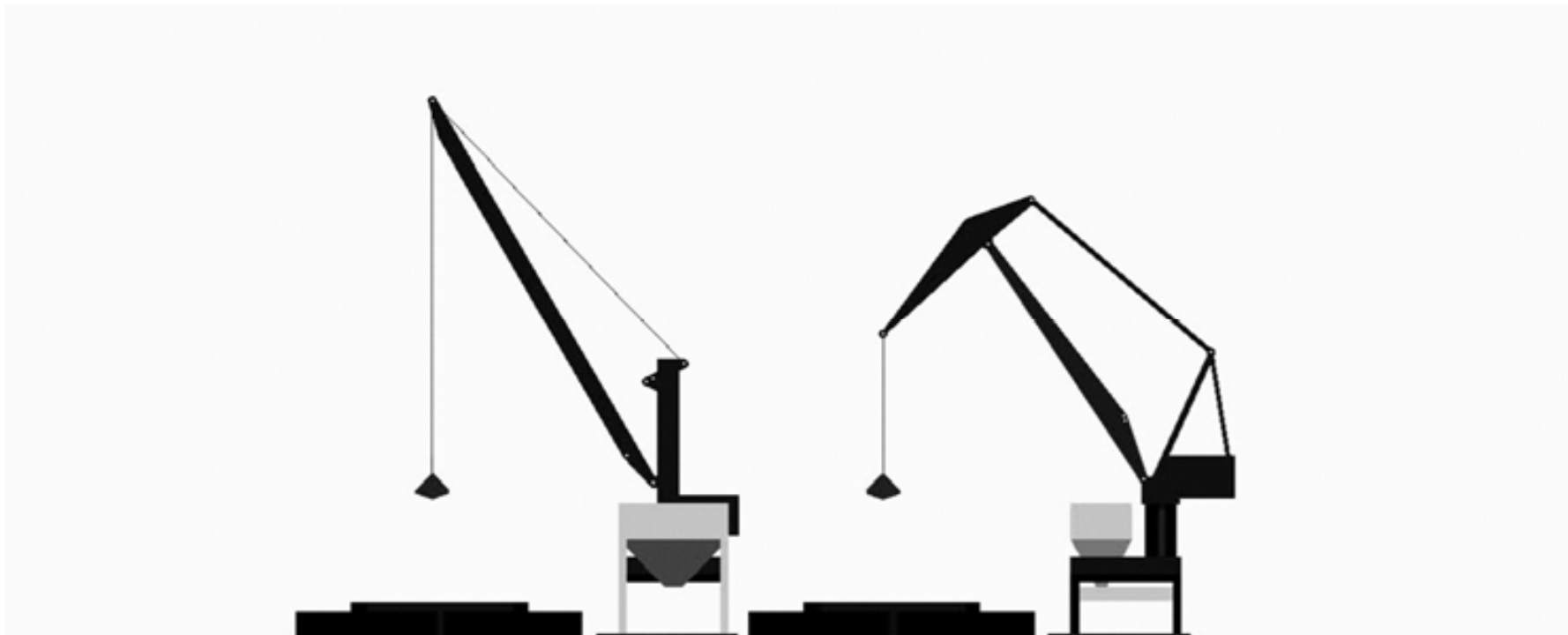
TUKAN K THE STRONGEST SLEWING CRANE TO UNLOAD BULK



- 2012 commissioning of two TUKAN-K Cranes with integrated hopper at Niedersachsenbrücke/Germany for discharge of coal
- Lifting capacity 63 t
- Outreach 55 m
- Performance over 2300t/h



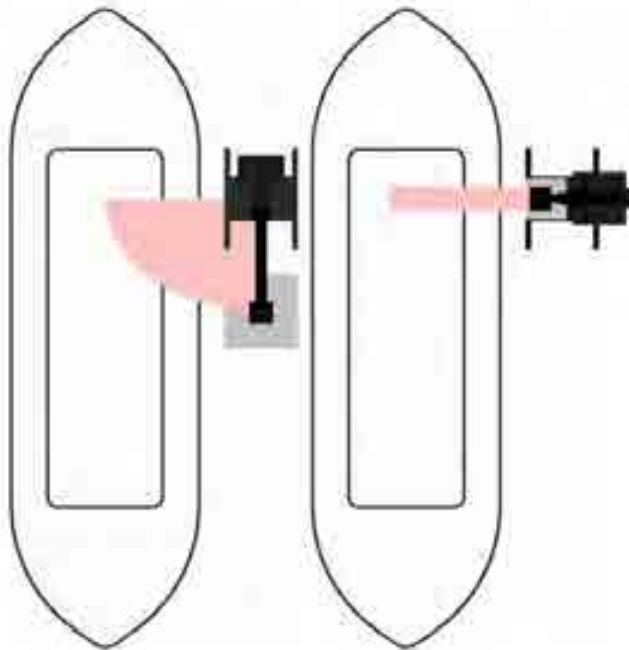
THE DOUBLE JIB LEVEL LUFFING SYSTEM WITH INTEGRATED HOPPER



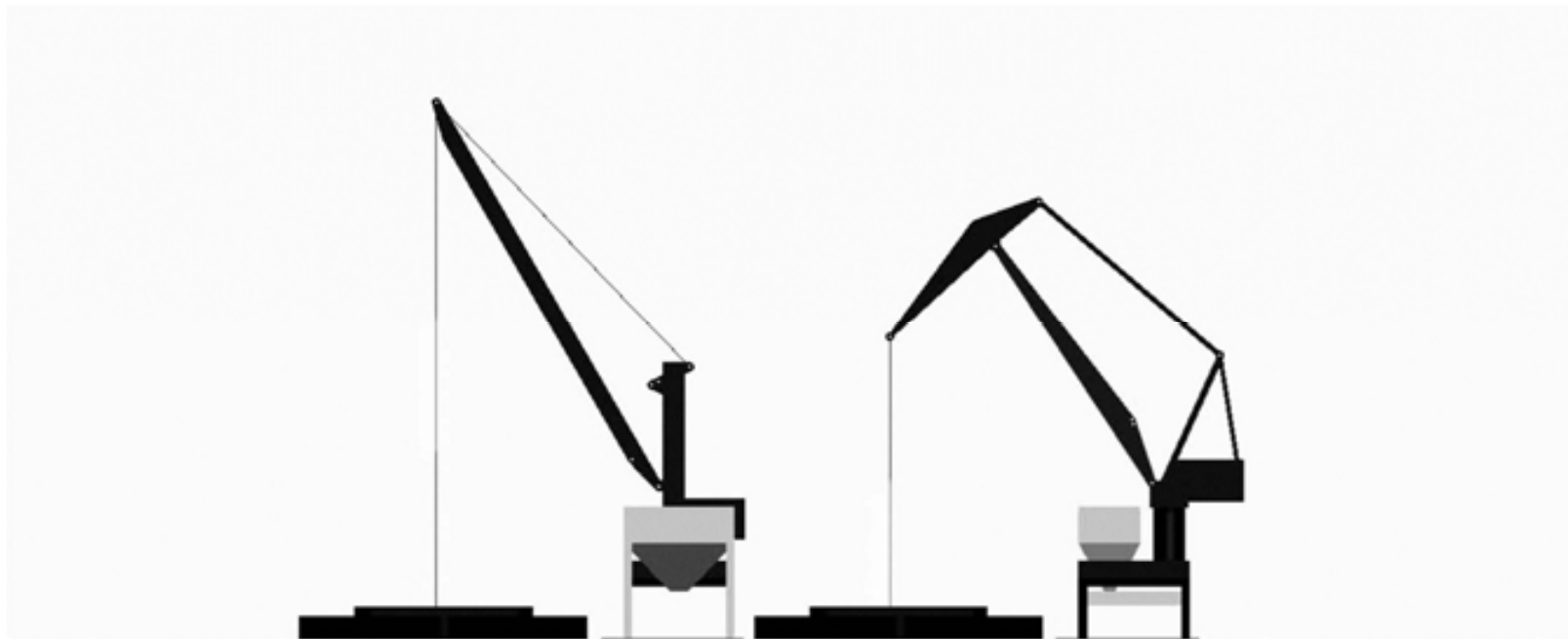
THE DOUBLE JIB LEVEL LUFFING SYSTEM WITH INTEGRATED HOPPER



Comparison concepts discharge



THE DOUBLE JIB LEVEL LUFFING SYSTEM WITH INTEGRATED HOPPER



INDUSTRY FOCUS



EXAMPLE: SHIP BUILDING

We offer the best solution according to purpose and production philosophy.



ARDELT: Tukan



KOCKS: Goliath

KOCKS FEEDER SERVER



A perfect crane system for container handling on feeder vessels.



OPTIMIZED CONFIGURATION OF LOGISTICS CHAIN



EXAMPLE: Handling and transport of scrap in steel mills

The cooperation of the Kirow Multi Mover M and the Ardel Pelikan increase the efficiency and decrease the overall cost.



KIROW: Multi Mover



ARDELT: Pelikan

KRANUNION IN NIGERIA



KIROW has delivered 2 Railway Cranes to the Nigerian Railways

KRANUNION IN AFRICA



ARDELT/KIROW
have delivered
cranes :

- 3 Tunisia
- 2 South Africa
- 78 Morocco
- 18 Ethiopia
- 16 Angola







THANK YOU
FOR YOUR ATTENTION.

