

## PRESS RELEASE

FOR IMMEDIATE PUBLICATION

12<sup>th</sup> April 2005

### **KRUPP SHIPLoader IN FULL SWING AT MAYDON WHARF**

Krupp Materials Handling (KMH), division of ThyssenKrupp Engineering (Pty) Ltd, is a global player in the design, engineering, manufacture and commissioning of full package harbour equipment.

Working one month ahead of schedule, KMH's locally designed and engineered shiploader has been fully erected and commissioned and is loading wood chips and grain at Agriport in KZN.

KMH secured the order, valued at approximately R20 million, from Agriport, a partnership between Viamax (Pty) Ltd and South African Port Operations (a division of Transnet Ltd) in December 2003.

Agriport decided to convert the grain import/export facility to incorporate the export of wood chips. KMH Assistant Engineering Manager, Carel van der Merwe discusses the design: "We designed the shiploader strictly in accordance with customer specifications to cope with the specialised loading methods required for wood chips and a jet slinger is included to ensure correct loading of wood chips at 800 tons per hour. We also had to make sure that our design was flexible enough to accommodate the loading of grain at 1000 tons per hour", says Carel.

Carel continues, "Given a blank page, we developed a unique machine structure for quick erection and as we faced substantial on-site space and time constraints, we assembled the maximum mechanicals and electricals onto the structures in shop to ensure minimum harbour disruption. When horizontal, the 35m long, 7m wide and 5m high boom, weighing approximately 70 tonnes, restricts harbour traffic and we therefore had to lift the boom into place and raise it into its stowage position in the shortest possible time, explains Carel".

2/...KMH Shiploader @ Agriport UPDATE

12/...Krupp Shiploader @ Agriport UPDATE

“We faced further challenges with the conversion of the import/export grain facility lay-out and we had to pay special attention to the overall height of the boom which is low when considering that the boom contains a shuttle, normally requiring more head room”, says Carel.

“In addition, we designed the boom so that the wheel loads of the shuttle do not cause the bottom cords of the boom to deflect outwards. The transfer from the gallery conveyor onto the boom conveyor was designed to eliminate a moving transfer hoist”, concludes Carel.

Krupp Materials Handling equipment operates at most of South Africa’s major harbours and it is believed that the growing wood chip handling market could result in repeat orders for KMH, a solutions driven company offering specialist advice and quality tailor-made products, backed by expert after-sales service for optimum customer peace of mind.

/Ends.

ISSUED ON BEHALF OF: KRUPP MATERIALS HANDLING

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