

## KRÖGER Grabs still focused on further growth after 50 successful years



Combining quality, robustness and reliability to fulfill the severe jobs in daily operation is the company's key ambition. KRÖGER grabs are employed by customers all over the world, typically used in rough environments like harbour, sand and gravel, underwater mining, steel and scrap as well as incineration operations. The KRÖGER product portfolio offers a broad range of products: cable grabs, motor powered grabs, motor hydraulic grabs and hydraulic grabs. All are available in standard configurations down to customized applications for all kinds of conceivable goods. Operations sizes range from 0.2 to 40 cubic metres. The modular system

In 2012 KRÖGER Greifertechnik celebrated the company's 50th anniversary — 50 years of successful designing, developing, producing and maintaining grabs made KRÖGER one of the leading companies in the premium grab sector.

The focus of KRÖGER is state-of-the-art grab-technology.

of KRÖGER grabs allows the company to react instantly on design and delivery requirements.

A special KRÖGER quality feature, to benefit the environment and for improved efficiency, is the zero-maintenance bearing design. It can be offered for the entire grab portfolio. One of the main challenges for current and future cargo handling activities is to increase grab capacity and to optimize opening/closing times to achieve best productivity ratios and the fastest return on invest. KRÖGER's design philosophy aims at highest productivity, product quality for a long-lasting working life and lowest maintenance requirements.

In 2013 KRÖGER will focus on further technology development and growth projects as started in 2012. The momentum of the 50th company anniversary and the result of the 2012 business year with a highly motivated team of specialists will result in further technology innovations and new market entries. One of the main topics is to further establish KRÖGER's sales and service network in one of the largest growth markets in the world — China. After a successful market entry with several projects in the waste to energy segment and the positive response on German quality, KRÖGER will increase the effort to fulfill local market demands. Besides selling a broader product range, the company also wants to establish the KRÖGER brand as a service provider for all applications within grab technology.

Another highlight in 2013 will be the 'Bauma' fair in Munich from 15–21 April. KRÖGER will present latest technology developments and present its product specifications. While it expects the trend towards very flexible and mobile hydraulic machines within the cargo handling industry to continue, large, old and heavy perhaps retrofitted cranes are expected to disappear over time. A new heavy-duty rotator for high performance hydraulic machines will be one of the main technology innovations shown. Another major topic is the increasing demand for fully automated cargo handling technologies and the required specifications for cargo handling attachments. KRÖGER will also present solutions in this segment.



### COAL INTO GERMANY

via Rhenus Midgard's Seaports

#### Coal Terminal NSB (Niedersachsenbrücke) in Wilhelmshaven, Jade Bay (Germany):

- New: Capesize Vessels up to 250.000 dwt with a draft up to 18,50 m (60') sw
- Rail connections into Germany's hinterland and neighbourhood countries

#### Coal Terminal Nordenham on the River Weser (Germany):

- Rail- and inland waterway connections to Germany's hinterland and beyond
- Panmax- and partly loaden Cape Size Vessels with a draft up to 13,10 m (43') fw

Both ports handle close to 5 million tons, i.e. more than 10% of the imported coal into Germany.

**Rhenus, a company with a long history, is one of the world's leading providers of integral logistics services and has annual turnover totaling 3.4 billion Euro.**

