

The ALP closes the missing link in container handling automation under the quaycrane.

Autonomous Quayside Twistlock Handling.



Today stevedores are removing and fixing Twistlocks & Stackers during the discharge and load process.

They work close to suspended loads and moreover in the same area as the horizontal transport (Straddle Carriers, Trucks).

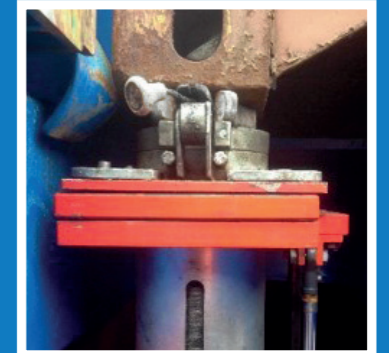


The handling of centre Twistlocks on twin and twin-tandem lifts is particularly dangerous because the stevedore has to step between the containers to access them.

Using the ALP removes the high risk for personal injuries for stevedores currently performing the coning/de-coning task in a hazardous work area.



ALP Automatic Lashing Platform



Contact

Fon: +49 4641 - 98 71 81
Sales: +49 171 - 643 04 88
E-Mail: sales@kalp-gmbh.eu

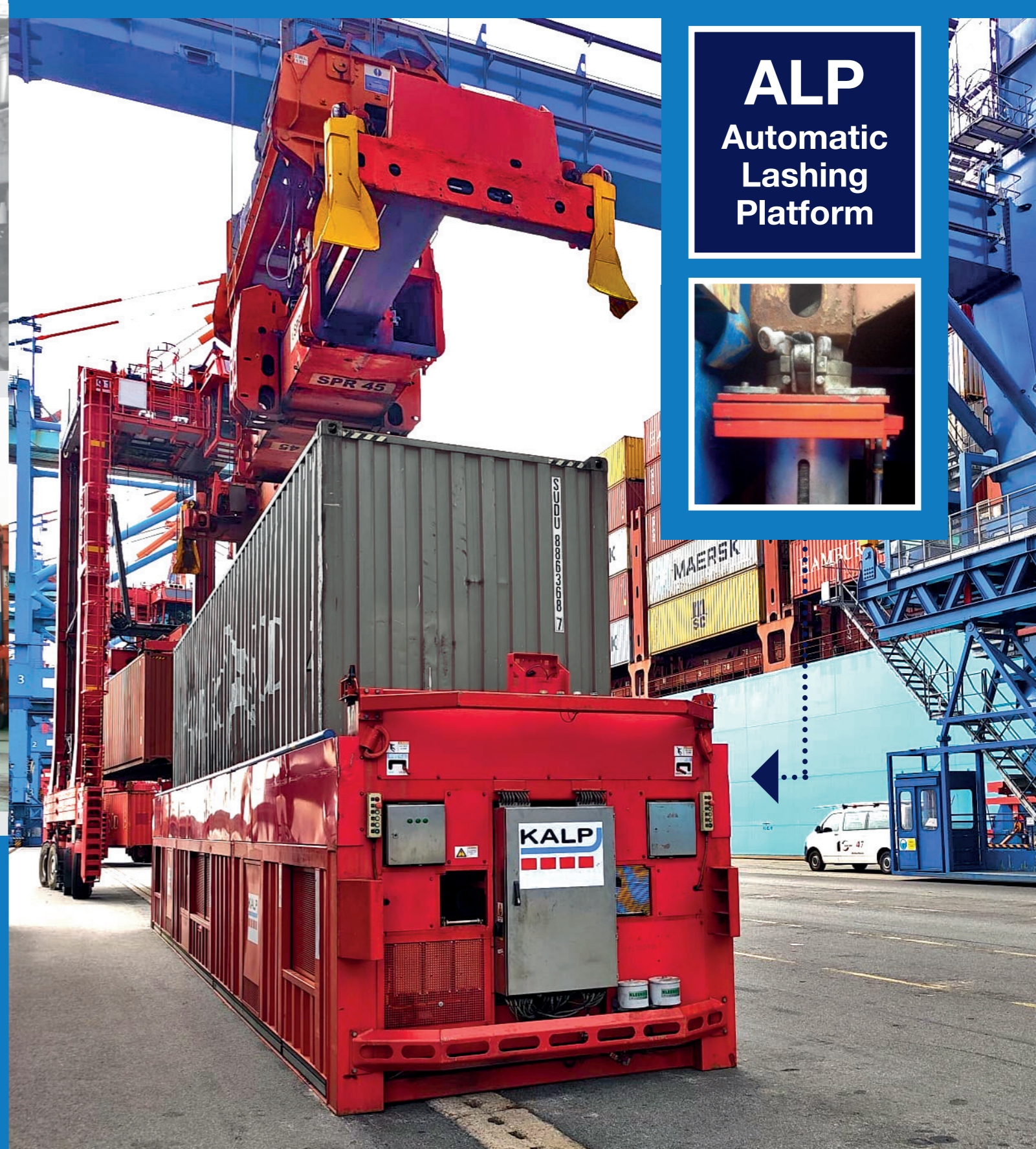
Digital
Information
of Sales
HERE



KALP GmbH
Norderstraße 48
24401 Böel, Germany



www.kalp-gmbh.eu





ALP - Your solution for Autonomous Quayside Twistlock & Stacker Handling

The ALP - Automatic Lashing Platform - automates the coning and de-coning process of Twistlocks & Stackers during loading and discharging of container vessels on the quay while it eliminates the coning process from the overall cycle in terms of time.

ALP Features

- Processing ISO-containers: 20', 2 x 20' long/short twin, 40' and 45'
- Remote monitoring and error logging
- Supports all common types of **Twistlocks & Stackers** today and has a unique exception handling concept
- Two units for tandem and twin-tandem operation
- Robust, durable steel construction, designed for long life rough terminal operation and tested in different terminals around the globe to ensure reliability in different environments and harsh climates
- Internal storage capacity suitable for serving up to ultra large container vessels
- The integrated corner castings on 20' position, allowing internal terminal transport with quaycrane, straddle carrier, reach stacker, AGV and truck with trailer
- Interface with 4G, 5G and Wi-Fi communications
- Quaycrane connection and complete integration into TOS systems (optional)
- Prepared to support any kind of digitalization automatic execution
- Standalone and mobile unit, without the need for connection cables to external power supply due to self-generating energy and storage for the own operation
- Integration on STS-cranes and with truck-trailer/AGV are available

ALP Benefits

We make your Pinning Process:

faster
reliable
greener
safer

- Reduced labour requirements and costs
- Environmentally friendly & sustainable
- Significant berth productivity increase
- Short-term return on investment
- Reliable coning and de-coning process of Twistlocks & Stackers
- No human resources are required for the ALP operation it self
- High safety gain at the quay – avoiding accidents and fatalities
- Shorter berth time for better service, less pollution and CO2 emissions
- Increase utilization of quaycranes and horizontal transport vehicles
- Proven system in real terminal operation with thousands of moves
- Integration with any traditional or automatic terminal concept without need to change the existing infrastructure
- Closing the missing link in container handling automation under the quaycrane
- Scalable and modular implementation to its requirement
- Seamless traffic flow to increase overall process efficiency due to exception handling of unexpected or damaged Twistlocks & Stackers.