Kalmar offers the widest range of cargo handling solutions and services to ports, terminals, distribution centres and to heavy industry. Kalmar is the industry forerunner in terminal automation and in energy efficient container handling, with one in four container movements around the globe being handled by a Kalmar solution. Through its extensive product portfolio, global service network and ability to enable a seamless integration of different terminal processes, Kalmar improves the efficiency of every move. www.kalmarglobal.com

Kalmar
Porkkalankatu 5
FI-00180 Helsinki, Finland
tel. +358 20 777 4000

Published by Kalmar, part of Cargotec. Copyright ©Cargotec 2014. All rights reserved. No part of this publication may be copied or reproduced without permission of the copyright owner. The content of this document is provided “as is”, without warranties of any kind with regards to its accuracy or reliability and excluding all implied warranties. We reserve the rights to make changes to any of the items described in this document without prior notice. The content of each service contract and availability of particular services may vary.
Making your RTGs work harder, safer and more efficient

Step by step
Less time, more traffic. Add to that the need to increase safety, reduce costs and eliminate the risks of mistakes – the demands of today’s container terminals are huge. Addressing all these issues, you’ll find that the way forward is automation. That may be easier said than done, you may think. For example, a brownfield terminal is full of container operations that cannot be interrupted to build in automation. Existing labour contracts also makes it hard to fully automate operations in one go, and a lot of your existing cranes may be in the middle of their planned lifetime.

Which is why we offer solutions that deploy automation in incremental steps.

Unleash the potential of the RTGs
Converting your terminal to automation, you can invest in new automated RTGs as well as upgrading your existing RTGs. By automating them, you can increase the efficiency and reduce costs, as well as the operator safety.

With automation, you unleash the potential of the RTGs so they can work at their most efficient best. Day in and day out.

What automated RTGs can do for your business

Reduced costs
One operator controls at least two or three RTGs, depending on the level of automation and the operational structure at the terminal. Operators are needed only for truck handling and exception handling. Automated systems using GPS, radar, laser measurements and camera ensure the containers are placed in the exact position – consistently, safely, and without lost containers.

Safe working environment
The operators can be placed in a separate office building, and there is less personnel in the yard. The automation comes with systems for a high level of safety, for example anti-collision systems, that keeps track of movements and avoids accidents.

Automation that is easy to implement
The initial investment is low – automated RTGs are a low-cost alternative to automatic stacking cranes, and the infrastructure costs are much lower.

We set up a roadmap for automation of your terminal, where every step is ready for the next level of automation. This means you can implement automation step by step – you get a flexible deployment and minimal disturbance to your operations. You can choose the level of automation that suits your needs.

The reliability of proven technology
With decades of continuous development and innovative thinking, Kalmar has always kept the RTG technology at the forefront of the market. The RTG automation system shares the same technology, components and software (for example the Kalmar TLS) as Kalmar’s proven automatic stacking cranes, which are in use all over the world.

You can extend the automation of your terminal further by for example our AutoShuttles™ and SmartPort automation solutions, all designed to work seamlessly together.

Start automation today
You can fully automate your yard operations or use automation to support remote control. Either way, it doesn’t have to involve the huge investments and disruptions of changing everything at one go. We have the complete offering to automate your operations step by step.