


RTG 2D stack collision avoidance


Liebherr Transform

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Safety first with stack anti-collision

Improve the safety of your operation by retrofitting your existing RTGs with a stack anti-collision system. The stack anti-collision function is a driver assistance system, using laser scanners mounted under the trolley and cabin.

The anti-collision function uses the output from two X 2D laser scanners, to determine the height of the stack, both in the forward and reverse directions, relative to the position of the trolley. The PLC software uses this data along with feedback from both the hoist and trolley encoders to monitor the position of the lifting equipment and hoisted container relative to the container stack.

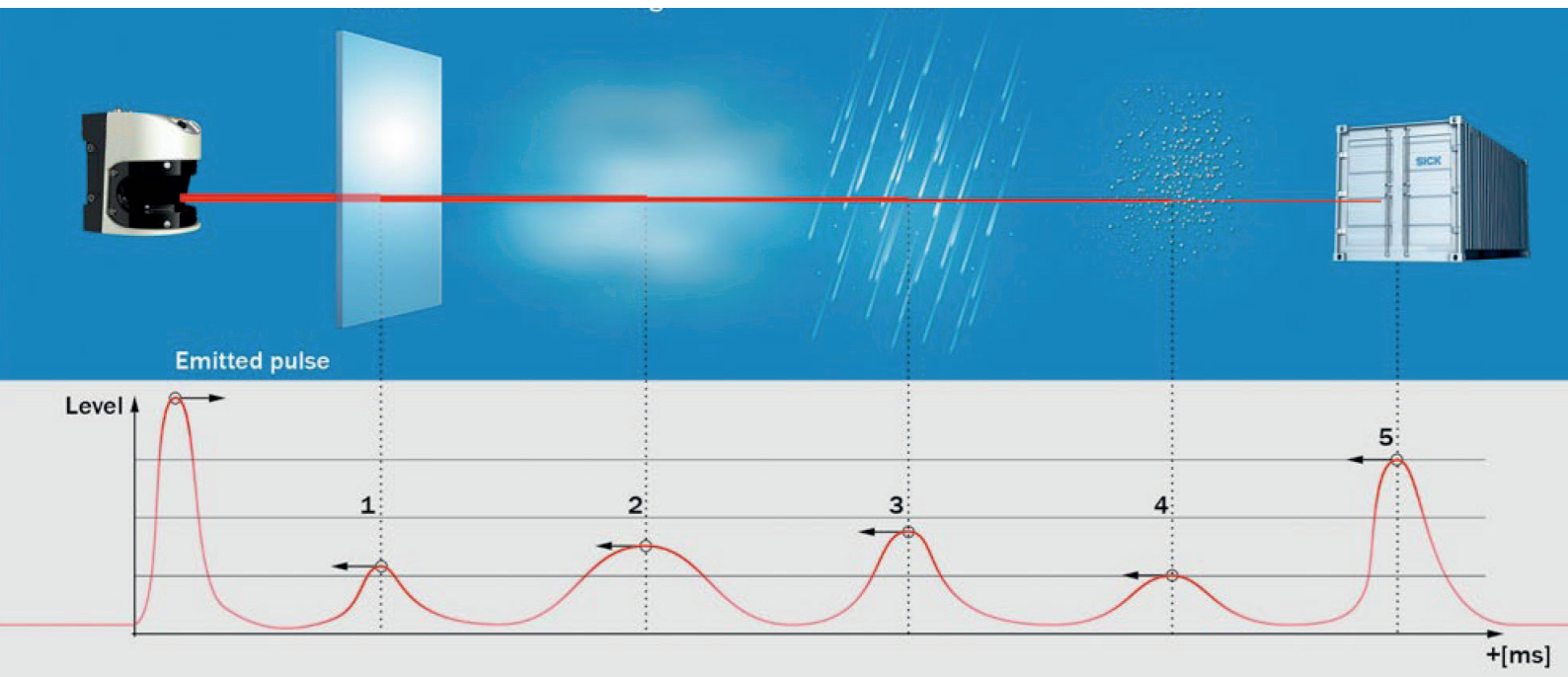
In the event that the software determines that a collision is imminent, the system warns the driver before the trolley motion is automatically slowed down and brought to a stop, before any collision can occur.



Superior safety, in all weather

Using the latest available laser sensor technology, the anti-collision system will work in all weather conditions providing superior range, resolution and accuracy.

The rugged design and special alloy housing protect the scanner from wear and tear and even the roughest environmental conditions. Modern technology ensures exceptionally low power consumption, rapid processing of data and an extended range, whilst a simple and straightforward installation, makes retrofitting stack anti-collision a breeze.



Liebherr Transform

Unleash the full potential



Liebherr Transform is the upgrade and modification service from Liebherr Container Cranes Ltd.

Ports and terminals are under increased pressure to reduce costs and boost performance through increased productivity, faster turnarounds and reduction in equipment downtime. This can sometimes result in increased capital expenditure for new equipment.

As a Liebherr Container Cranes customer, you already own the best container handling equipment on the planet. Why not unleash its full potential by upgrading it?

Liebherr Transform uses the best available technologies to make your crane stronger, faster, smarter, greener and ultimately ... better.

