



LaseLCPS-2D - Load Collision Prevention System -2D

Product module **CEWS** Container Logistics



The two-dimensional solution of the application LaseLCPS-2D - Load Collision Prevention System is a measurement system which works with two 2D laser scanners which are mounted under the trolley.

An application software collects the scan data, performs all needed calculations and sends the results to the PLC of the machine.

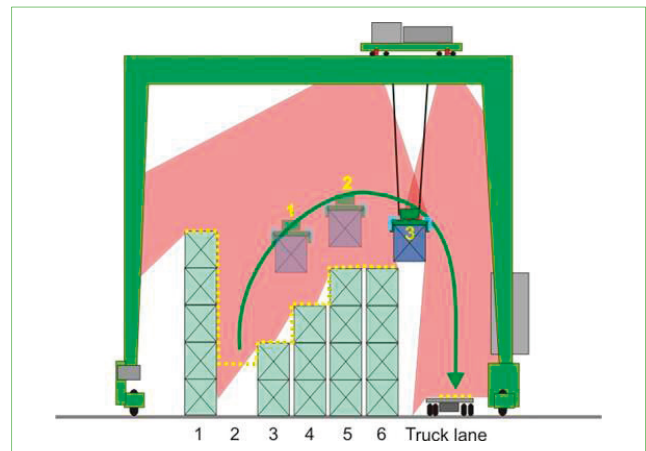
For the collision prevention function the distance between the outer edges of the spreader/container combination and the outer edges of the containers in the stack [profile] will be calculated for each incoming scan. If the distance becomes too small, the LaseSCP application generates a warning message to the PLC.

The topography of the stacks is also measured permanently. Due to these received topographical information time- and path- optimized driving cycles can be calculated for further crane movements.

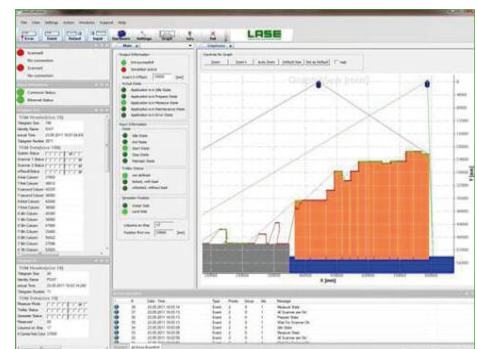
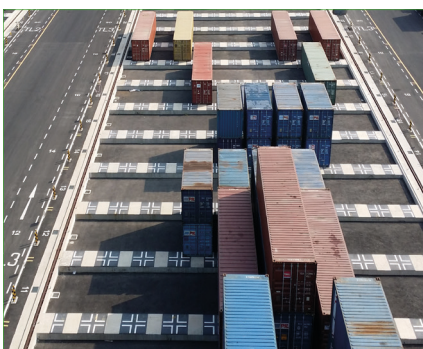
This intelligent and innovative solution is built to diminish the risk of collisions and accidents in container stacking areas. The measurement system by LASE is applicable for topography detection and collision prevention at RTGs, RMGs or STS cranes.

Customer benefits:

- Applicable for RMGs, RTGs and STS
- Collision Prevention Monitoring
- Topography Imaging
- Path optimization
- Elimination of crane downtimes
- Avoids hazardous situations and accidents



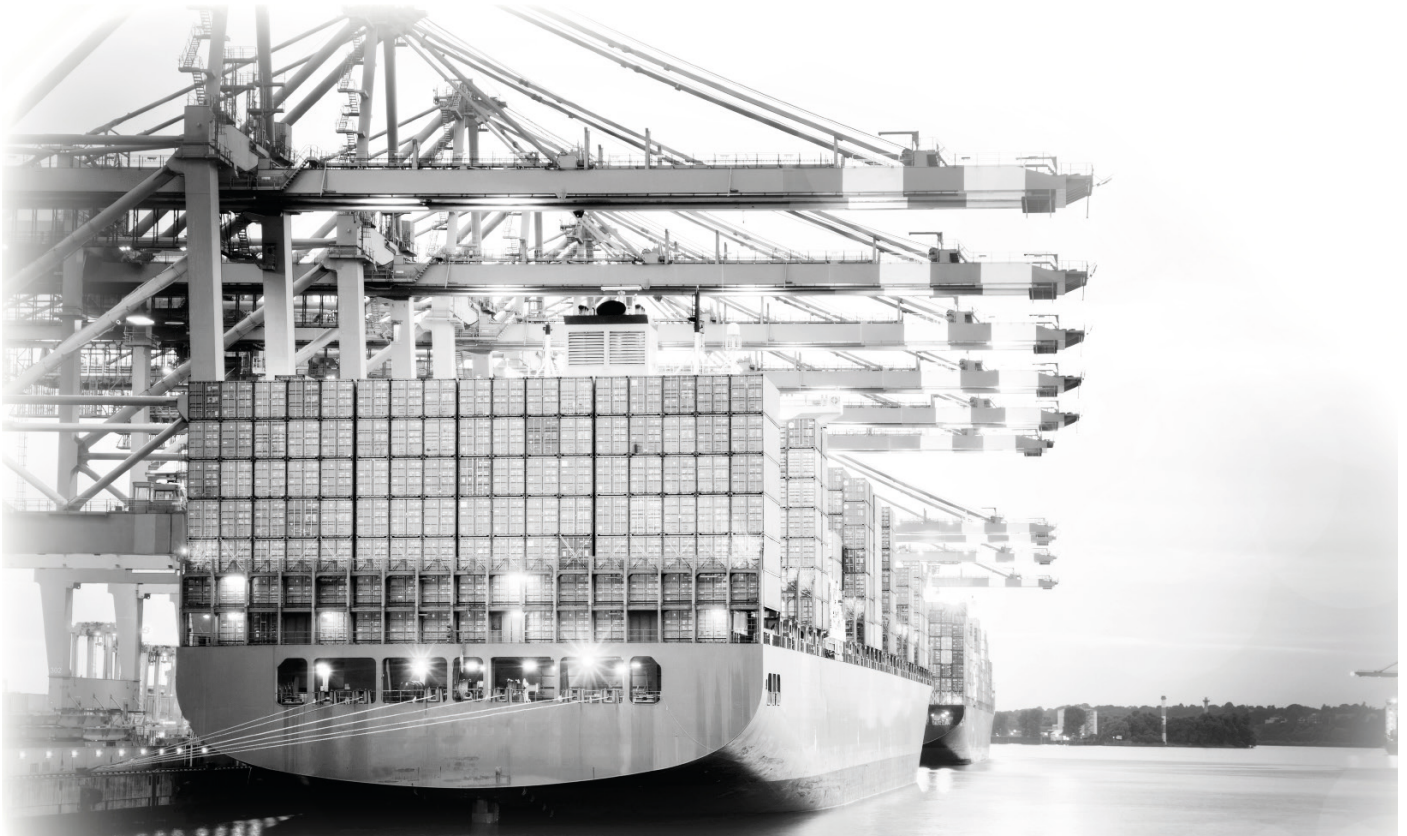
Function principle



LASE offers innovative and productive solutions by combining state-of-the-art laser hardware technology and sophisticated software applications. We deliver a broad range of precise and reliable 1D, 2D and 3D laser systems, which can be used for several measurement tasks.

We look to develop long-term relationships with our customers to drive projects forward and help improve safety and efficiency at a huge diversity of applications worldwide through working closely with them.

COMPETENCE, CREATIVITY AND PASSION lead us to be the ideal partner for your requirements. Convince yourselves of our broad portfolio of innovative products and solutions on our corporate website.



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Note:

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