



LaseTLP - Truck Lifting Prevention

Product module *CEWS Container Logistics*



The application LaseTLP - Truck Lifting Prevention ensures a lifting prevention of truck-trailers during the hoist process caused by locked twistlocks.

Sometimes it might occur that truck-trailers are lifted up by the crane hoist when one or more twistlocks are still locked or not completely loosened. In order to prevent such accidents a system is required to detect the lifting of the trailer early enough.

The measurement system consists of one or two LASE 2000D laser scanners which are mounted at the gantry of the crane with vertical scan planes aligned towards the truck lane. The scanner[s] track the objects and compare the position of the lifted container and the trailer structure.

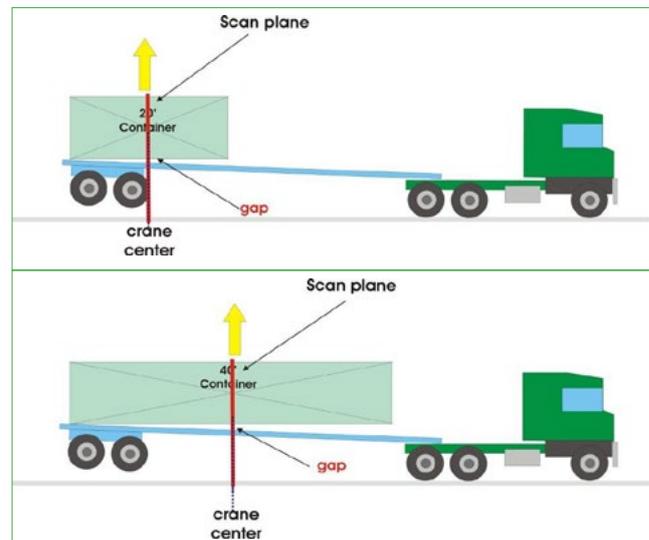
In case that both objects [container & trailer] move upwards due to one or more locked twistlocks, the system generates an immediate alarm signal to stop the hoist movement before any damage or injury can occur.

Furthermore the system is both very sensitive [reacts fast in case of lifting] and it eliminates false alarms - both make it to a reliable and highly accepted system by the port operators.

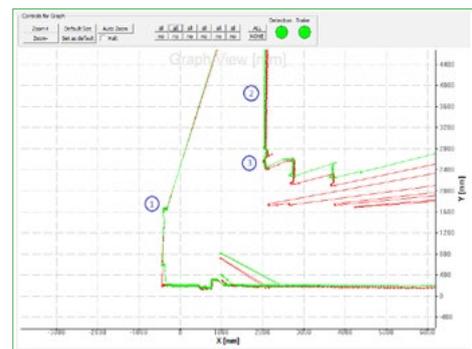
This intelligent and innovative solution is built to avoid severe accidents during truck unloading by defective or locked twistlock latches. The measurement system by LASE is applied for RTG, RMG, ARMG and STS cranes and prevents that trucks/trailers are lifted into the air.

Customer Benefits & Features:

- High system reliability without false alarms
- Applicable for all truck-trailer types
- Accurate tracking of object position [trailer and container]
- Prevention of severe accidents
- Time-efficient process optimisation
- Damage avoidance at container and chassis
- Less wear
- Easily adaptable also for retrofitting



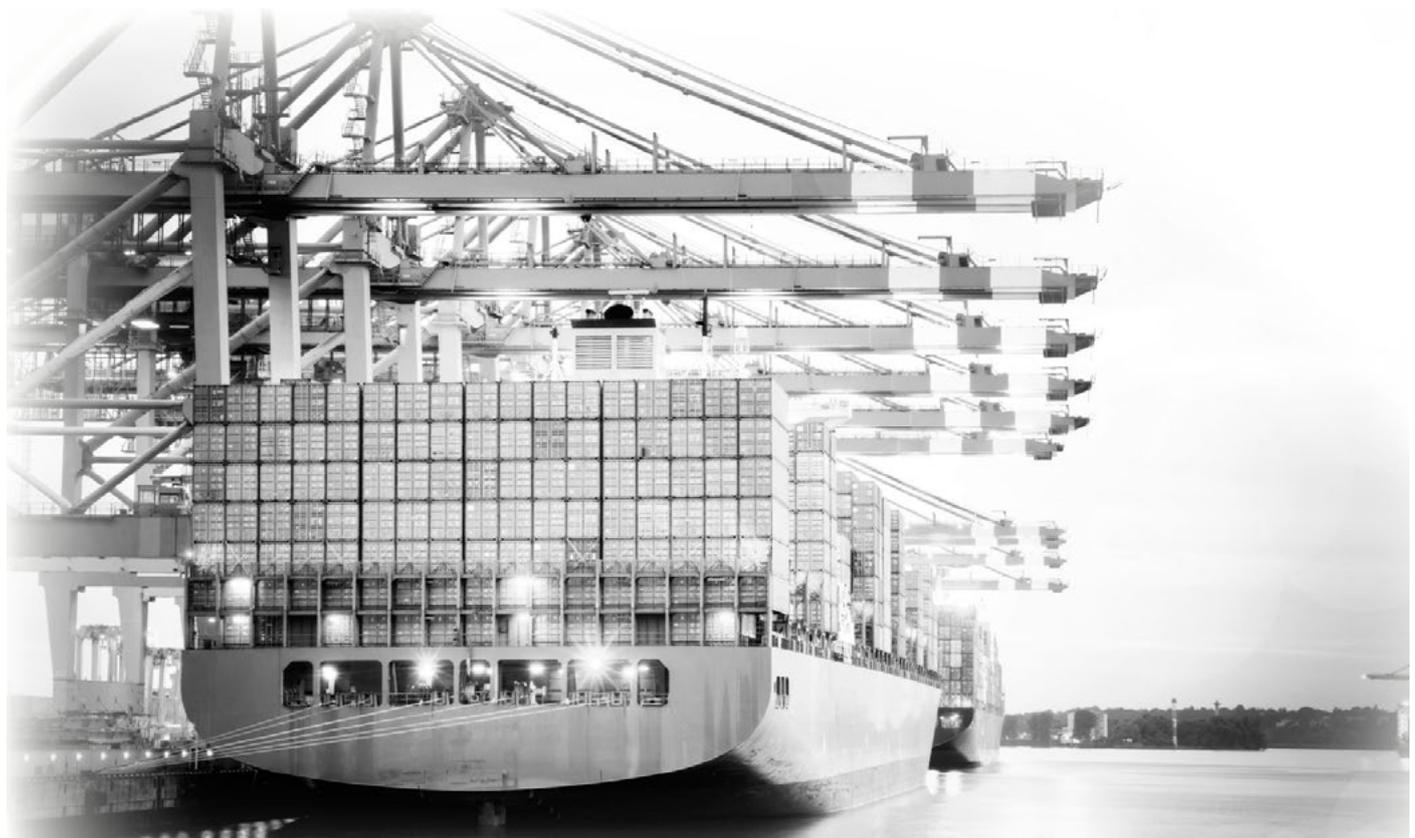
Function principle



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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