KONECRANES®

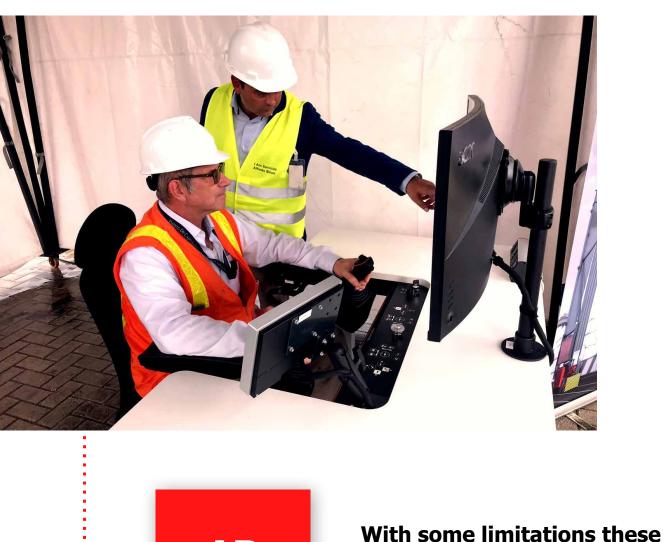
HOW DO crickets detect danger?

They have evolved small hairs that can detect the air current of a nearby frog opening its mouth.

Safety-Assist Retrofits

Laser-based crane adaptations allowing operators to detect dangerous objects and situations.

Safety. Evolved.



products can be retrofitted

to any other crane brand.

QUICK AND EFFECTIVE

Any Brand

and equipment. The average time required to install a laser detection

Each of these products uses

almost the same technology

retrofit is 2-3 days onsite per RTG, no matter how many products you choose. Get it all done, in one.



to brownfield terminal developments. Our range of retrofit

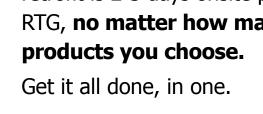
port services provider

Konecranes is the premier

products will enable your fleet to adapt to a fastchanging environment. Welcome to your **evolution**.

Small, incremental changes that enable existing fleets to

continue to adapt and thrive.





Prevention

Sensor technology at

ground-level detects

Truck Lift

any truck/trailer lift, and immediately halts the hoisting action for improved safety in manual handling mode. Works by detecting the trailer wheels



when a trailer lift is detected

incidents

BENEFITS

 Stops hoist automatically and smoothly • Monitors the movement of the truck's tyres, most other brands only follow the gap between the

• Prevents the lifting of a trailer

by automatically and rapidly

stopping the lifting motion

container and truck tyres • Saves significant time in

resolving trailer/truck lift

• Works with terminal tractor, road trucks or AGVs.

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Assists operators to lift,

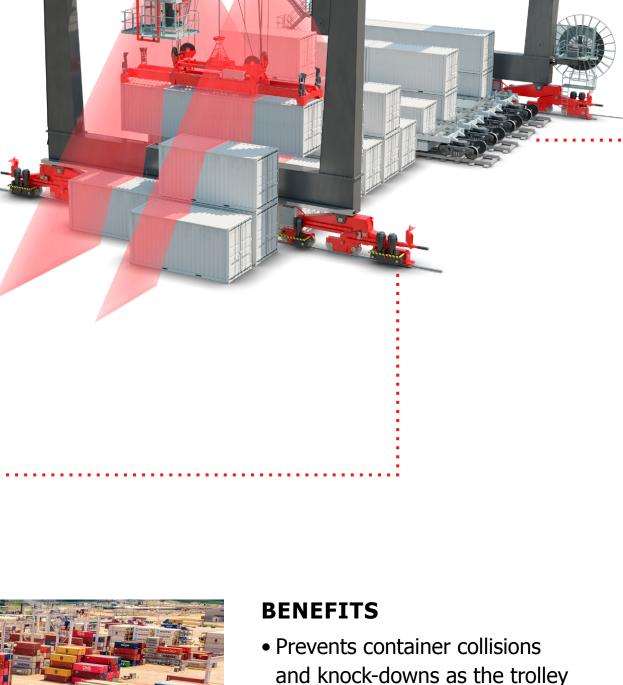
with a higher degree of

safety and accuracy.

lower and place containers

Stack Collision

Prevention



stacks of uneven height • Easy to use and maintain:

only uses electrical components so only sensor cleaning is required.

moves towards the bay

mixed bays

empty spreaders

• Prevents unsafe loading in the

Works with both loaded and

• Allows for fine positioning

• Operator can navigate container

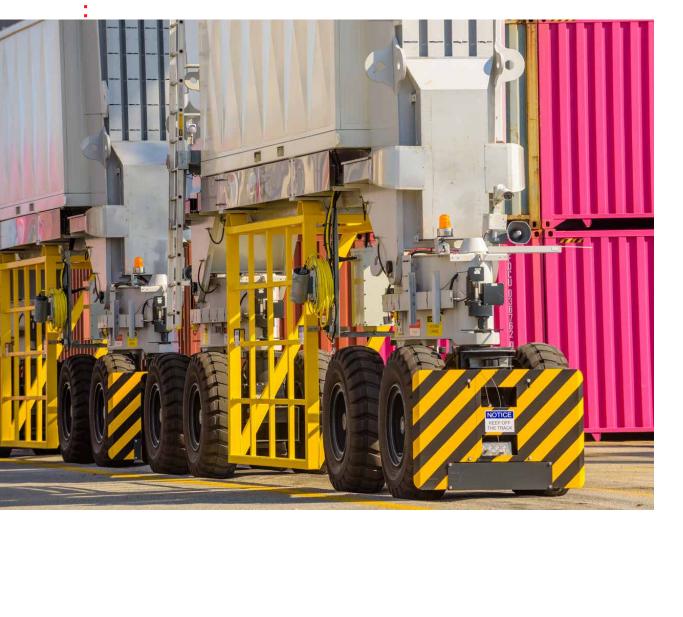
in bad weather and around

Gantry Collision Prevention

crane-to-obstacle collisions.

Assists in avoiding

crane-to-crane and



• The system works in every mode of gantry travel: normal, cross

sensors

weather.

BENEFITS

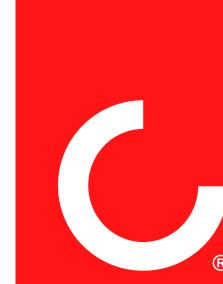
and rotate • Longer range and better weather tolerance compared to ultra-sonic

• Laser sensors in the system

perform slowdown and stop-

limits within a 20-meter range

- Simplest and most accurate solution in the market Highly resistant to adverse



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process industries, shipyards, ports and terminals. Konecranes

for lifting equipment of all makes. The Group has more than

provides productivity enhancing lifting solutions as well as services