## KONECRANES

Automating for a sustainable future

# The state of port sustainability and automation

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THE PARIS AGREEMENT

# The need to reduce GHG emissions.



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PUBLIC

KONECRANES SUPPORT UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

# Sustainability is more than emissions





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### The need to automate Benefits of Automation for Port Sustainability









### CO<sub>2</sub> emissions comparison between terminal types IMTEU terminal



Based on studies by Portwise

#### Automated terminals produce less CO<sub>2</sub> emissions:

- Minimal reliance on fossil fuel.
- Electric equipment
- Optimal operations
- Reduced human-related vehicles often reliant on internal combustion engine.
- As renewable energy sources become more prevalent, the CO2 emissions associated with electricity generation decrease

60% of our sales from eco-efficient equipment. By 2026 our goal is to offer fully electrified offering.

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## The path to port automation...



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# It's time to act

#### ... if we don't act?

CO2 emissions will keep rising Risk to safety & wellbeing Exacerbate land scarcity Competitive threat from reactive terminals

At Konesranes we know we can always find a safer, more productive and sustainable way.

In the face of these potential impacts, the industry needs to:



Transitioning to cleaner energy



Adopt electrification



Incorporate automation



Thank you & enjoy the rest of the webinar

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