



Path to Ecolifting

The right technology at the right time

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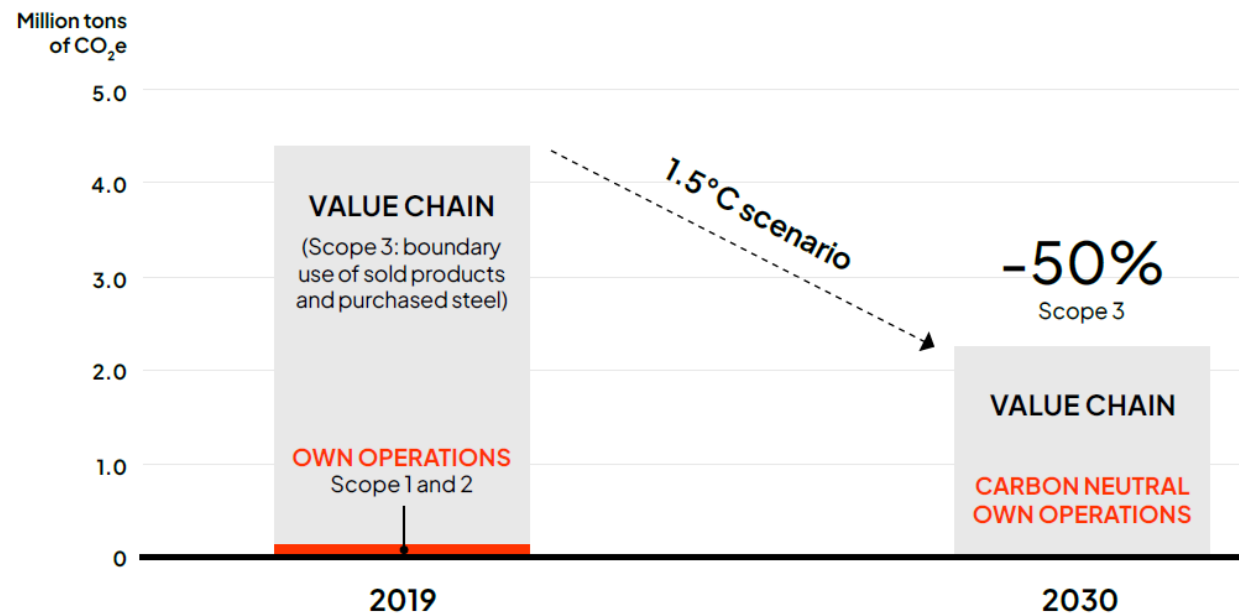
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Leading the way

- Mega trends globally are pointing out our direction. Taking part in a sustainable future is not an option, but a must.
- Future legislation will force us, as well as our customers, into fossil-free cargo handling solutions.
- In many regions and countries, especially in sawmills and forestry segment, a full electric equipment fleet has become essential.

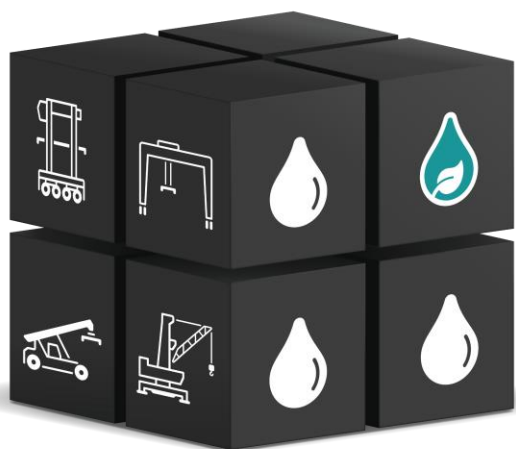
Reaching the Target



- By seeking **new technological innovations to reduce dependency on fossil fuels** and increase energy efficiency.
- By **electrifying our offering**
- The electrification of our customers' industries is a prerequisite for Konecranes to reach its climate ambition – **let's do this together!**

The path to Ecolifting: the viable technologies

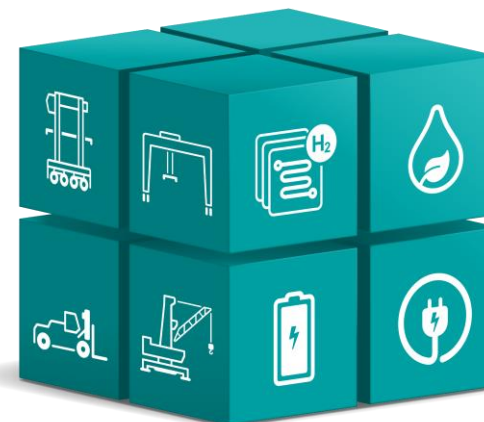
Conventional
diesel



Optimized
diesel



Zero
tailpipe



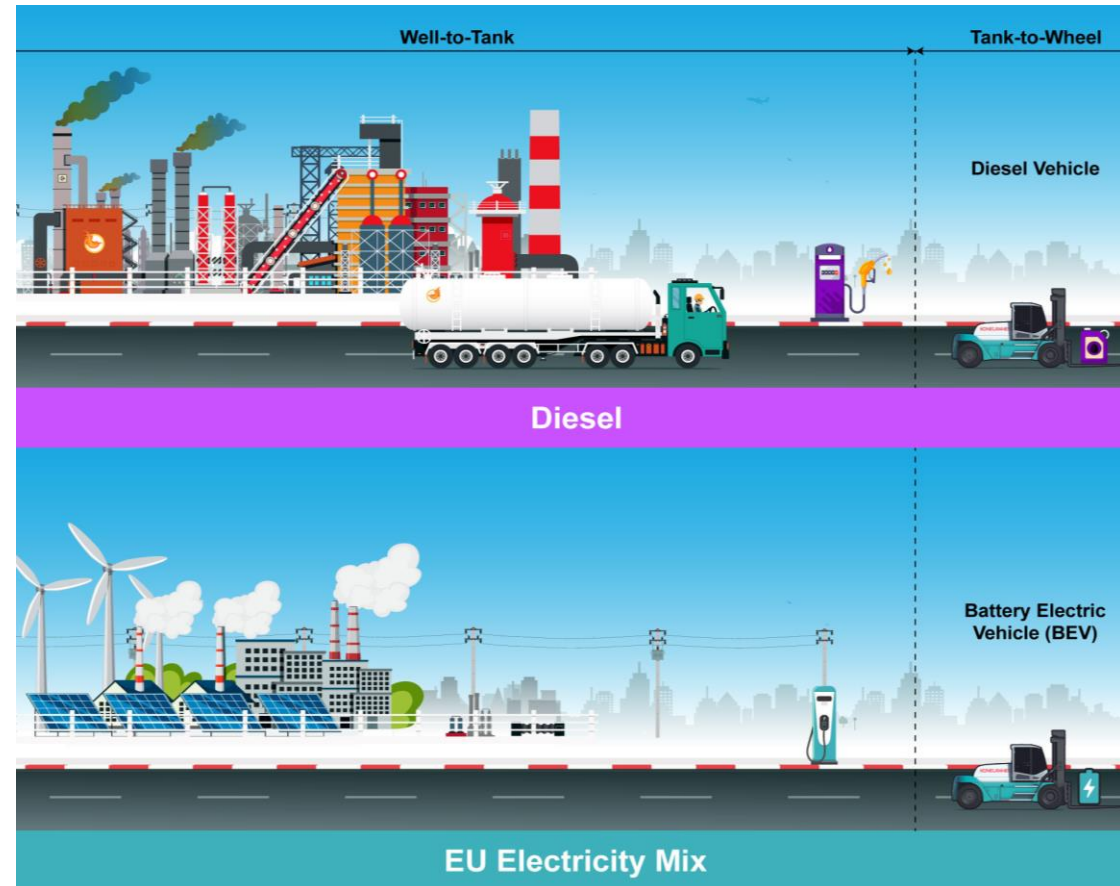
A worker wearing a high-visibility vest is operating a blue Konecranes electric forklift. The forklift has "KONECRANES ecolifting" and the number "14" on its side. The background shows a construction site with a building under construction.

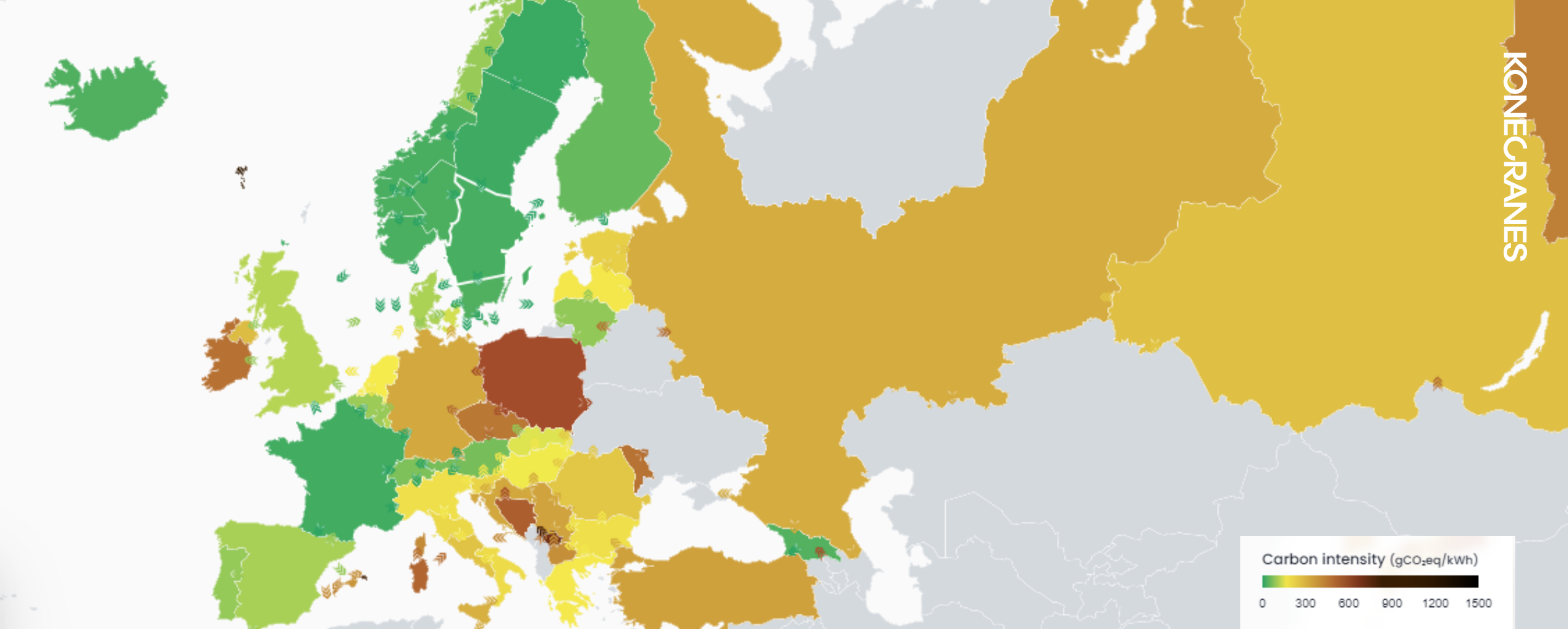
Electrification requires a different
way of thinking and operating

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Looking at the bigger picture

- Market focus has to change from Tank-to-Wheel (TTW), to Well-to-Wheel (WTW) emissions.
- Thinking of the whole carbon production circular chain, it's a MUST to really understand and control the environmental effect of our business
- TTW vs WTW: TTW only takes into account a small part of the circular CO₂ emission effect, whereas WTW encompasses the whole circular effect.





Electricity can be green,
brown or mixed

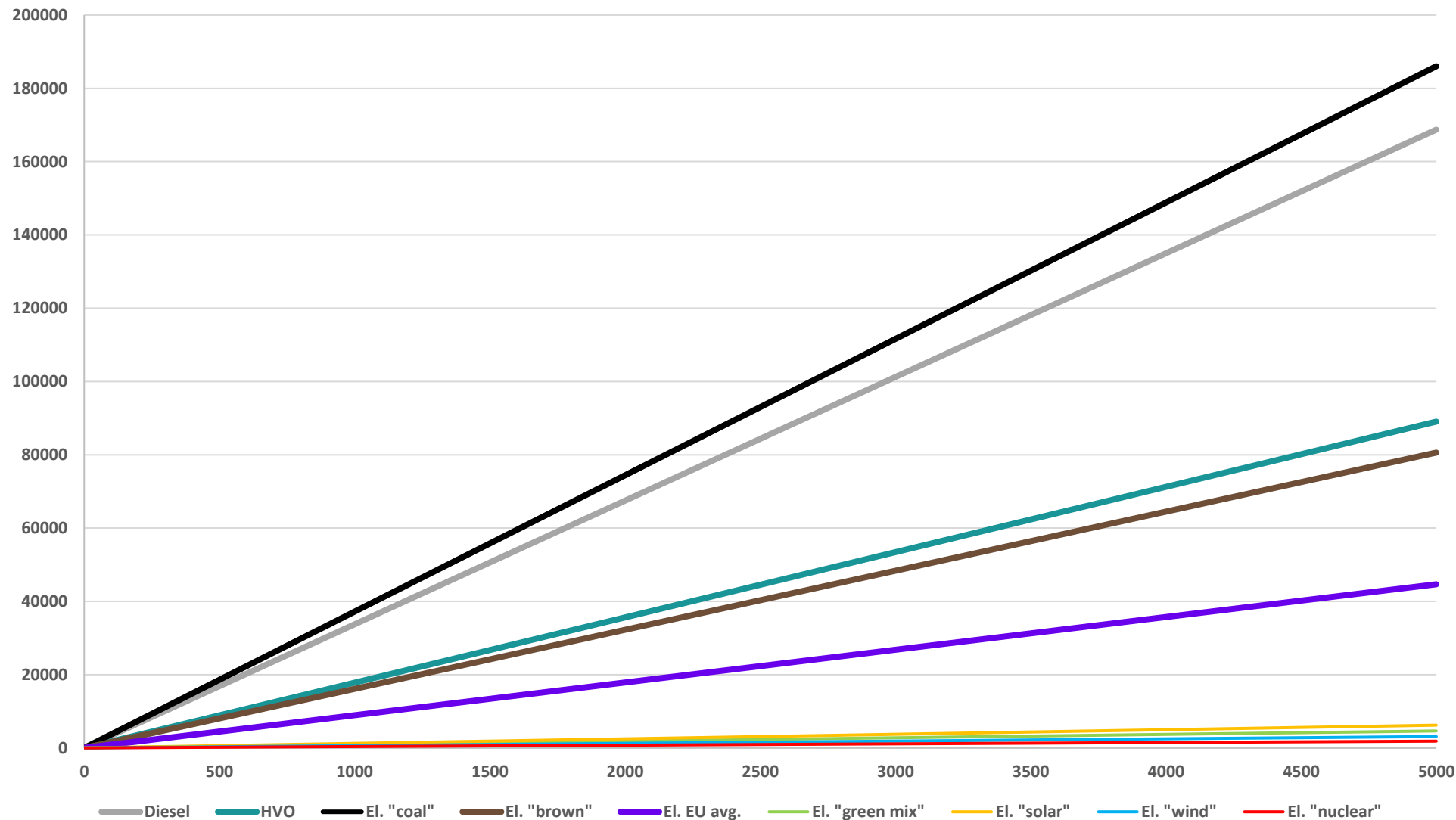
Green electricity: from renewable energy sources like hydropower, wind, geothermal, biomass or solar.

Brown electricity: from fossil fuels like coal, oil, or gas.

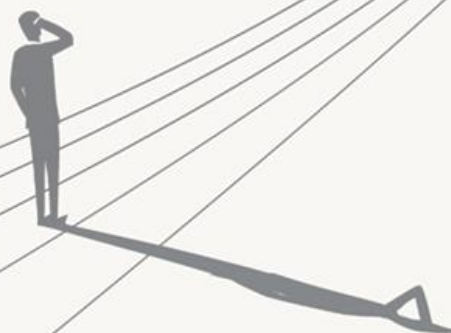
Mixed electricity: from a mix of fossil fuels and renewable energy.

FORKLIFT OPERATIONS 18-33 t

Well-To-Wheel (WTW) CO₂-eq emissions [kg] vs. operating time [h]



Ensuring our Product Roadmap delivers the right products and technology at the right time, to match the transition journey ahead



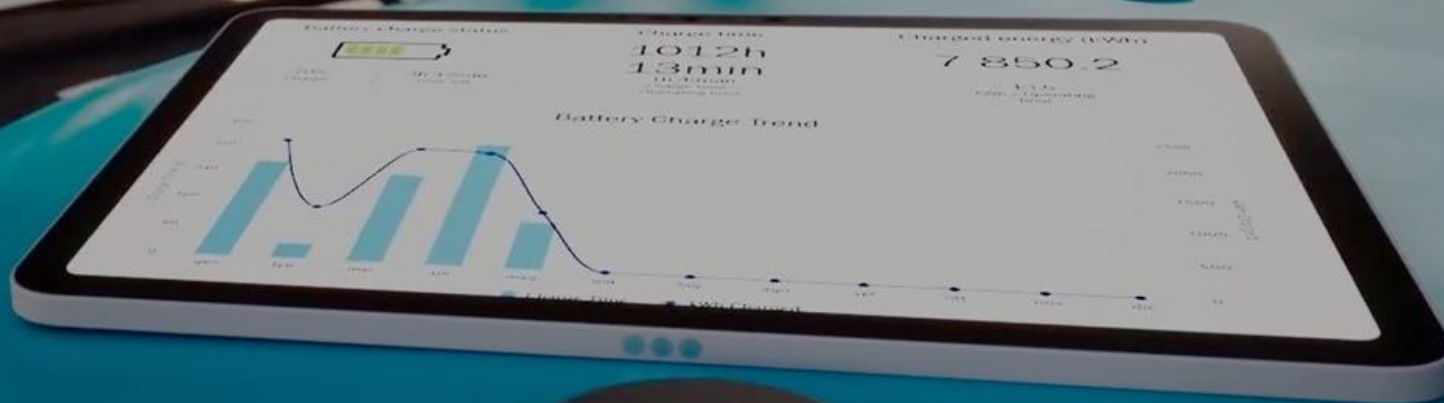
Sustainability

A technology choice

- Konecranes E-VER family – part of the Ecolifting portfolio - supports the transition journey when thinking Well To-Wheel.
- Equipment integrated with lithium-ion battery and cells known for their industry-leading energy density, safety features, and extended lifespans.



Maximise the energy output from the battery



The way forward

- Ongoing investment in battery electric vehicles alongside our conventional diesel
- Enlarging our Konecranes E-VER family
- Fully electrified portfolio by 2026: with two new products slated for launch in 2024
- Keep track on transition technologies within 2026 and Fuel Cell after 2030



2025

2026

2024



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ecolifting™

MADE IN SWEDEN

THE WAY FORWARD

Stand B20 – 2 pm
Meet us there!

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What steps ARE YOU ready to take in
this transition journey?

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Thank you!

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KONECRANES Moves what matters.