

# Sustainability at the core of Konecranes business strategy

Konecranes makes material handling safer, more productive and sustainable. Uncompromised safety, high ethics and inclusiveness drive us. We work for a decarbonized and circular world for customers and society.











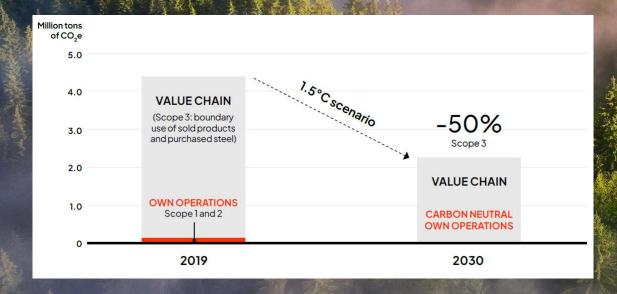








# Sustainability at the core of Konecranes business strategy



### **KEY FOCUS AREAS**

- Electrification of diesel-powered equipment
- Smart product design focusing on energy efficiency, durability and maintainability
- Optimizing material handling with automation and digital solutions
- Purchasing steel with minimum emissions
- Focusing on energy efficiency and renewable energy and offsetting the unavoidable emissions of own operations.

# Konecranes' sustainability work is being valued by external parties – Ratings and recognitions

Rating	Scale	Score	Year
EcoVadis	100 to 0	73 (Gold)	2023
CDP Climate Change	Ato D-	A-	2023
Sustainalytics ESG Risk Rating	0 to 100	14.4. (Low risk)	2023
MSCI ESG Rating	AAA to CCC	AAA (Leader)	2024
ISS ESG Rating	A+ to D-	B-(Prime)	2023
Moody's ESG Scorecard	100 to 0	50 (Robust)	2022





Further information on Konecranes.com > Sustainability at <a href="https://www.konecranes.com/about/sustainability/the-strategic-role-of-sustainability">https://www.konecranes.com/about/sustainability/the-strategic-role-of-sustainability</a>

# Design for Environment

### Konecranes' targets:

- All new products and services shall be more sustainable than the previous generation
- Halving the absolute Scope 3 GHG emissions from purchased goods and services and use of sold products by 2030 (base year 2019)

# Raw materials and component manufacturing

- Weight and material optimization
- Manufacturing method selection
- Substance management
- Reusable / recycled / renewable materials and substances
- Low-carbon steel

## Product use phase

- Efficiency improvements
- Technologies using less energy
- Smart power management
  - Regenerative energy
  - Standby/idle energy reduction
  - Energy storages
- Automation for less waste

## Maintenance and end of life

- Smart maintenance practises
- Remote monitoring
- Remote feature upgrades
- Repurposing
- Remanufacturing
- Enabling recycling

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# KONECRANES® ecolifting®

Available today

Feasible to develop

Available as retrofit to Konecranes equipment

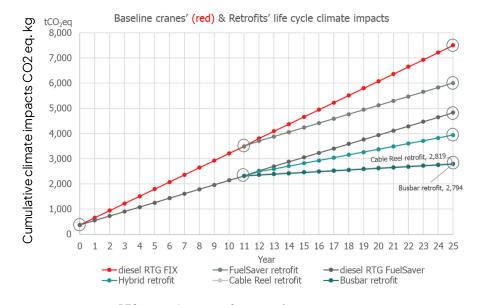
AVailable as retrofit to any brand of equipment

\*) New alternative energy such as Hydrogen (H<sub>2</sub>) via dual fuel combustion engine or fuel cells pure

RTG	<b>C</b> AB	Ultra- cap	Li-ion battery	Cable reel Busbar Li-Ion battery	New energy*
MHC	Q	Ultra- cap	Li-ion battery	External power supp Li-Ion battery	New energy*
SC	Ø	Li-ion battery	New energy*	Li-ion battery	New energy*
Lift Trucks	Q	<b>O</b> Ultra-cap	New energy*	Li-ion battery	New energy*
AGV	Q	Li-ion battery	New energy*	(Lead-acid battery Li-ion-battery	New energy*

# KONECRANES

# Climate impact results RTG **Ecolifting retrofit**

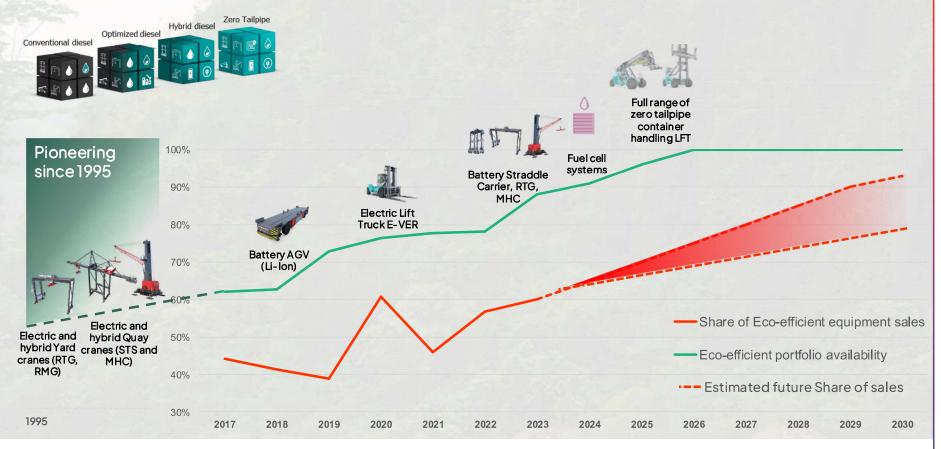


RTG operating years, 0 = start of usage at customer

	Δ	K	
Retrofit	[tCO <sub>2</sub> eq/ lifetime]	Δ%	
Diesel RTG Fixed Speed Generator → Diesel RTG FuelSaver	-1 497	-20%	
Diesel RTG FuelSaver → Hybrid RTG	-889	-18 %	
Diesel RTG FuelSaver → eRTG Cable reel	-2010	-42%	
Diesel RTG FuelSaver → eRTG Busbar	-2035	-42%	

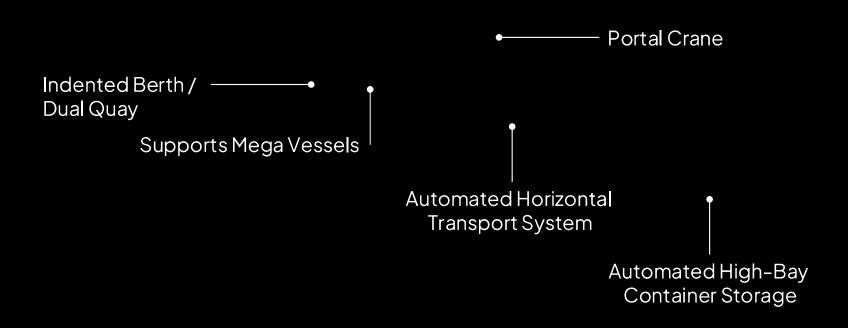
Results represent this scenario within the presented boundaries, absolute values may vary with different LCI input data sources

# We have a clear eco-portfolio road map



# Technological leadership in automation

# Future Fields Concept Redefining the relationship from ship to stack





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