



V O L V O

TRANSFORMING CONSTRUCTION INTO A ZERO EMISSION INDUSTRY

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VOLVO CONSTRUCTION EQUIPMENT

VOLVO



Volvo Group commitments

100%

Safe

Fossil free

More productive

A photograph of four children sitting on a sandy beach, viewed from behind, looking out at the ocean during sunset. The children are dressed in casual summer clothing. The scene is bathed in the warm, golden light of the setting sun, with the horizon line visible in the distance. The text 'BUILDING THE WORLD WE WANT TO LIVE IN' is overlaid in the center of the image in a bold, white, sans-serif font.

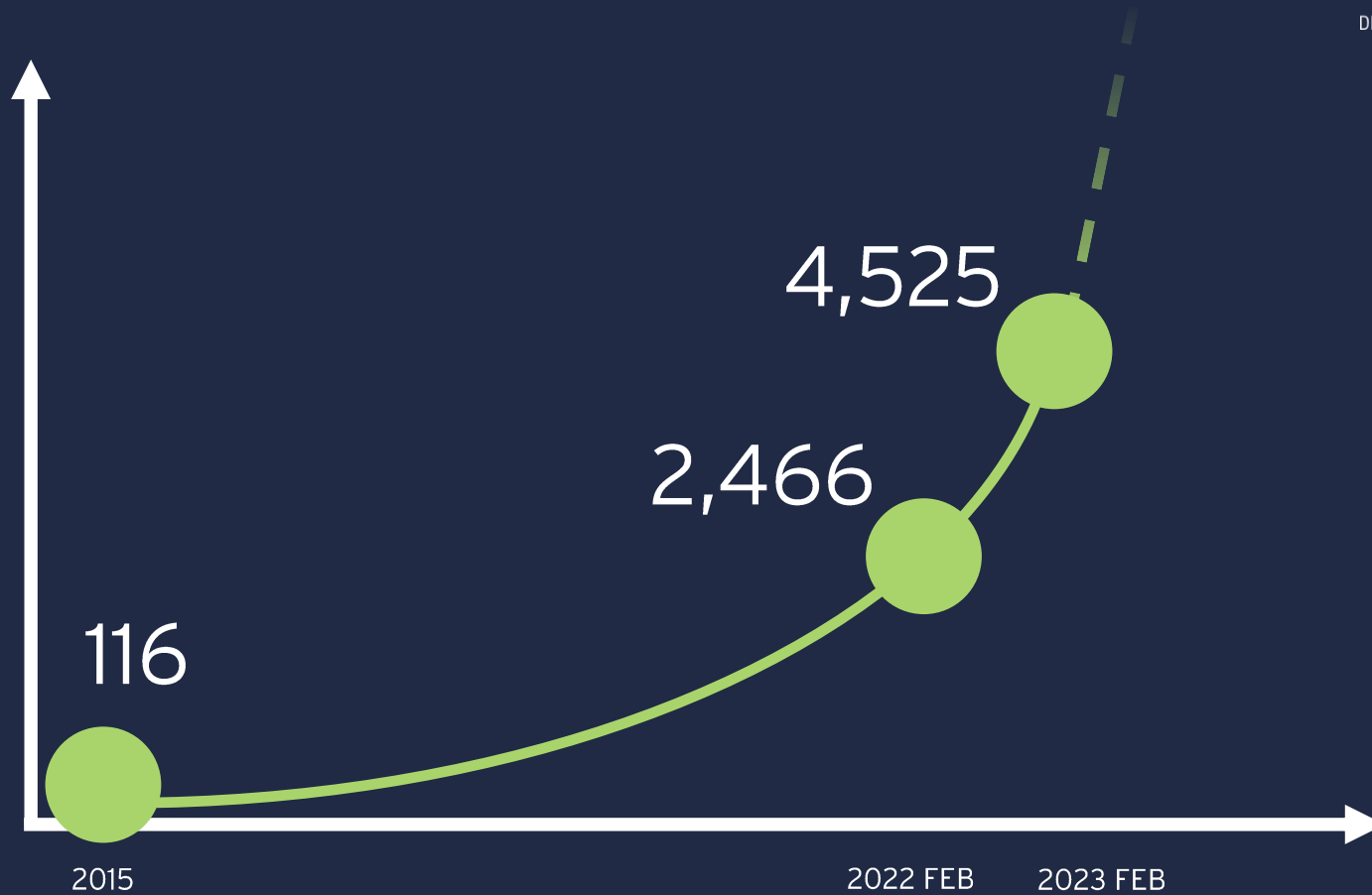
**BUILDING THE WORLD
WE WANT TO LIVE IN**

Companies are taking action



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION



What are the main barriers to start the transition into sustainable construction machinery?



What are the impacts of going electric?

Capital investment

- Short term hire
- Lease program
- Purchase

Environmental impact

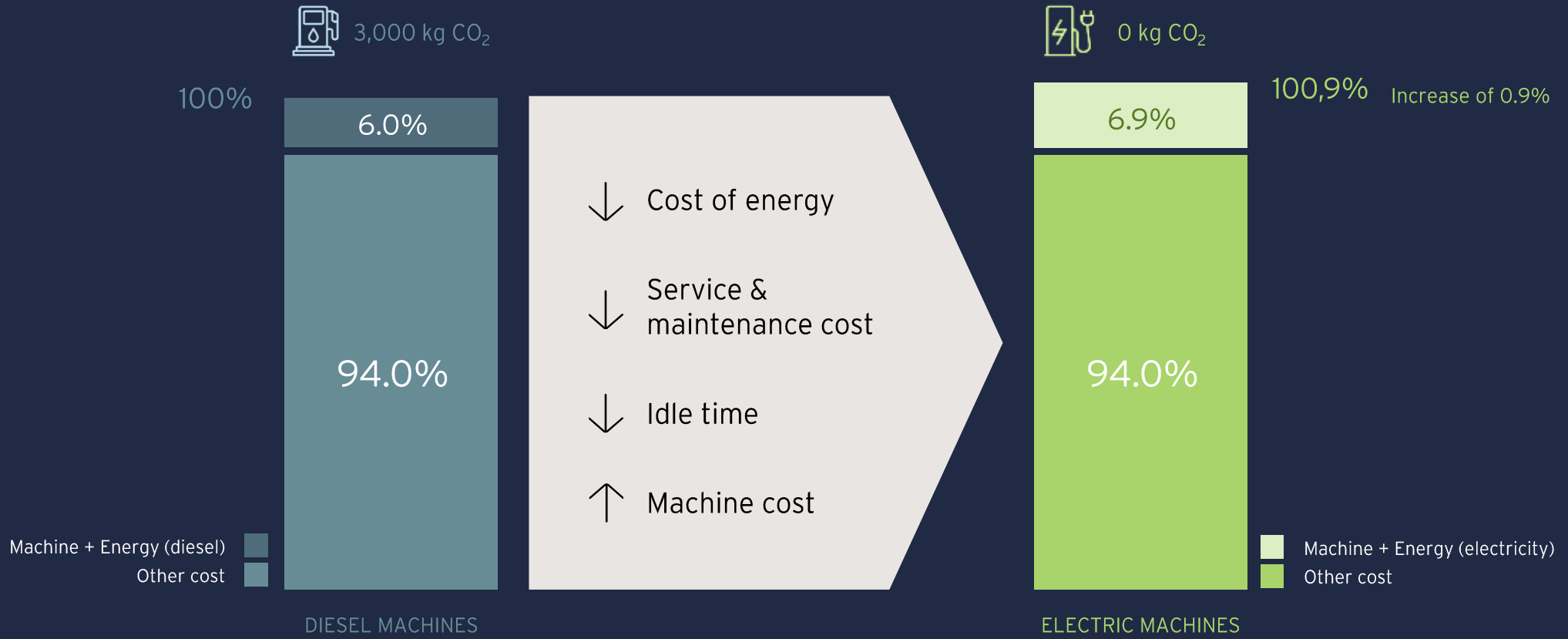
- Carbon footprint
- Noise pollution
- Clean air (NOx....)

Running costs

- Energy cost (diesel / electricity)
- Repair & maintenance costs
- Charging infrastructure / fuel delivery




... and customer and operator acceptance.

Reduction of 3,000* kg of CO₂ for an additional project cost of less than a percentage



* Based on a rental set up for the machines over 11 weeks

Cost of diesel vs. electricity per country

	 NORWAY	 FRANCE	 GERMANY
Cost of diesel (1 litre)	€ 1.91	€ 1.86	€ 1.79
Cost of electricity (1 KWh)	€ 0.17	€ 0.20	€ 0.56
Cost ratio (diesel vs. electric)	1:11	1:9	1:3
Emitted CO2 per KWh from grid	0.030* Kg	0.073* kg	0.385* Kg

* Certified renewable electricity emit no CO₂ but comes to a higher price (about 10-15%)

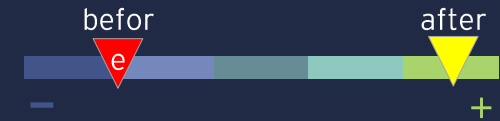
VOLVO



Voice of the Customer - before and after use case study

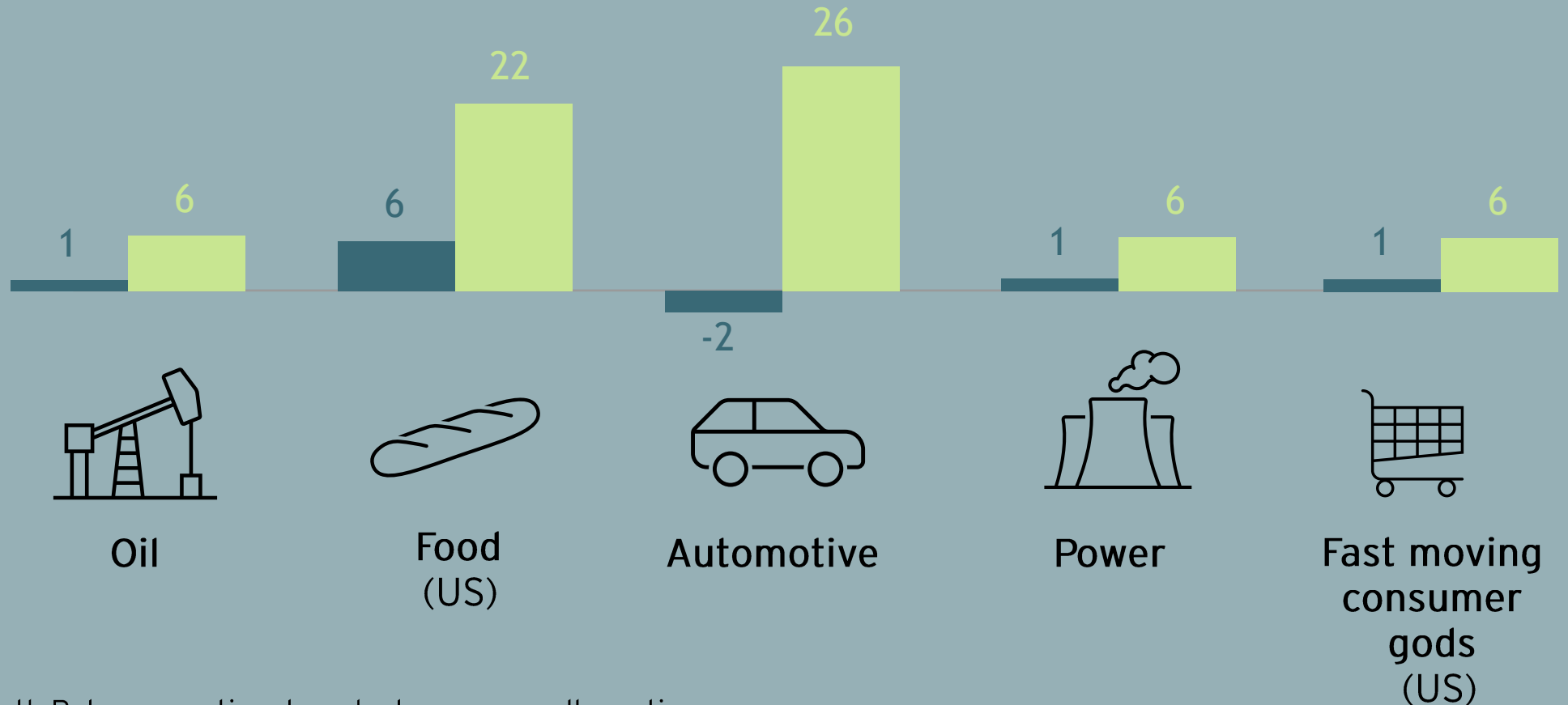


1. How confident are you that the Volvo ECR25 electric will perform well compared to a diesel machine?
2. The Volvo ECR25 electric holds enough charge to get the job done.
3. How does it feel to charge the machine when it is not being used? (e.g. breaks, lunchtime, end of day)



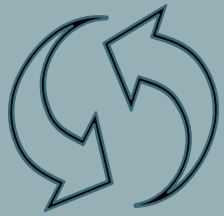
Consumer behaviours are changing - green alternatives are growing

Green alternatives
Conventional products



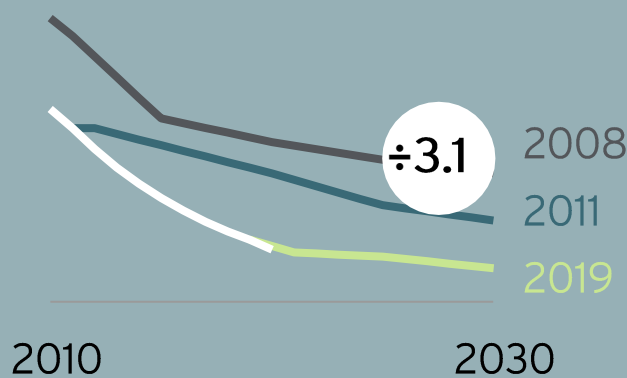
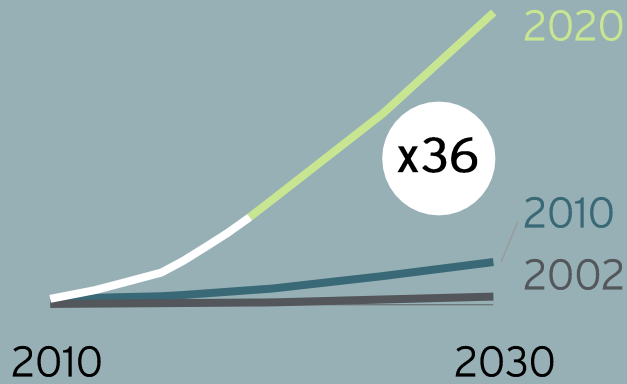
The cost of new technology decreases while capacity increases

Capacity
projections

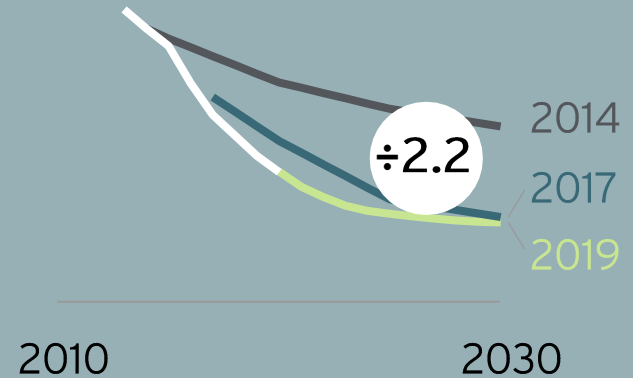
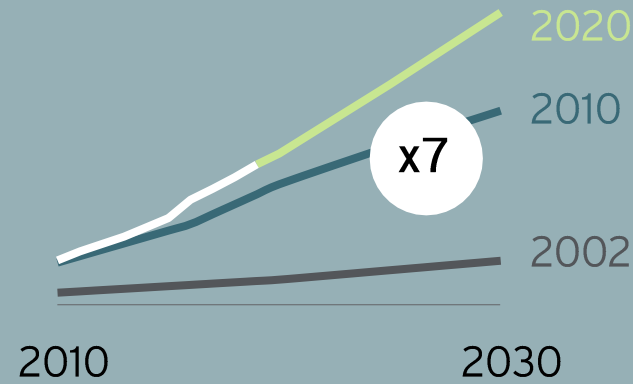


Cost
projections

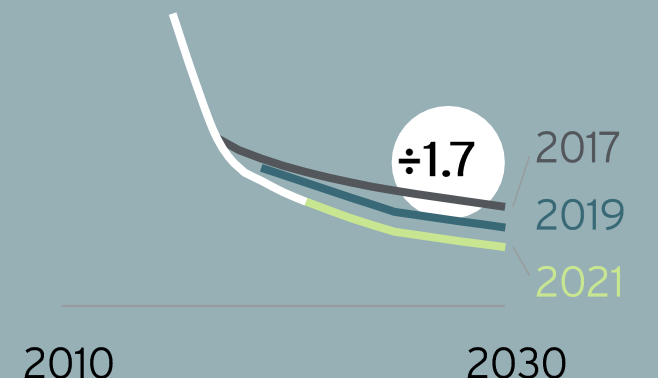
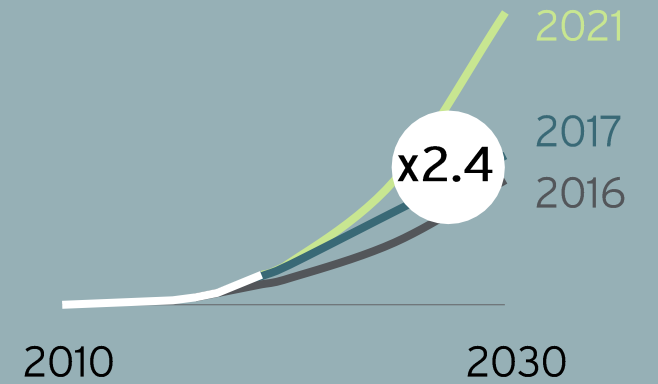
Solar power



Wind power



Batteries





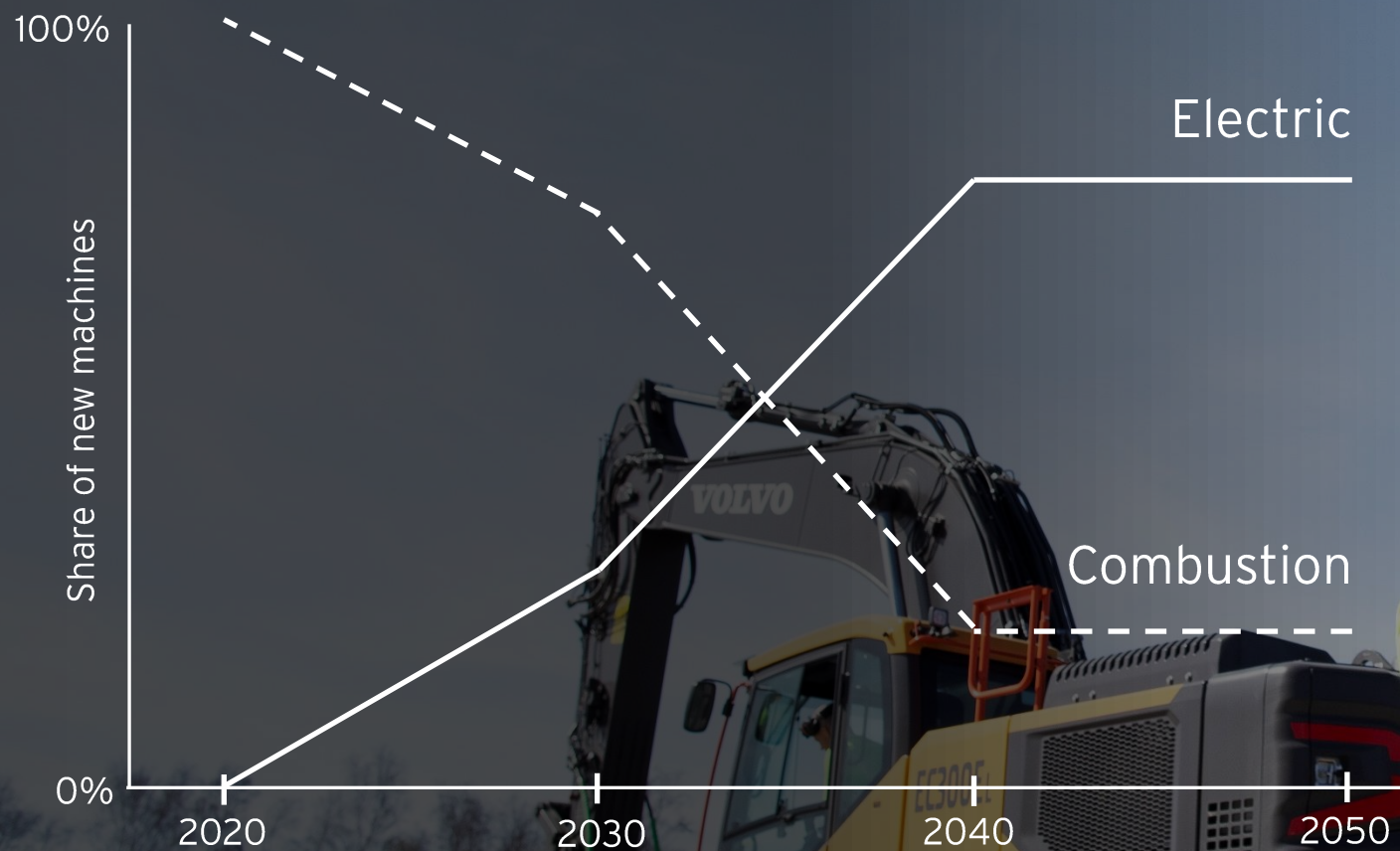
VOLVO CE IS SET TO REACH NET-ZERO VALUE CHAIN EMISSIONS BY 2040



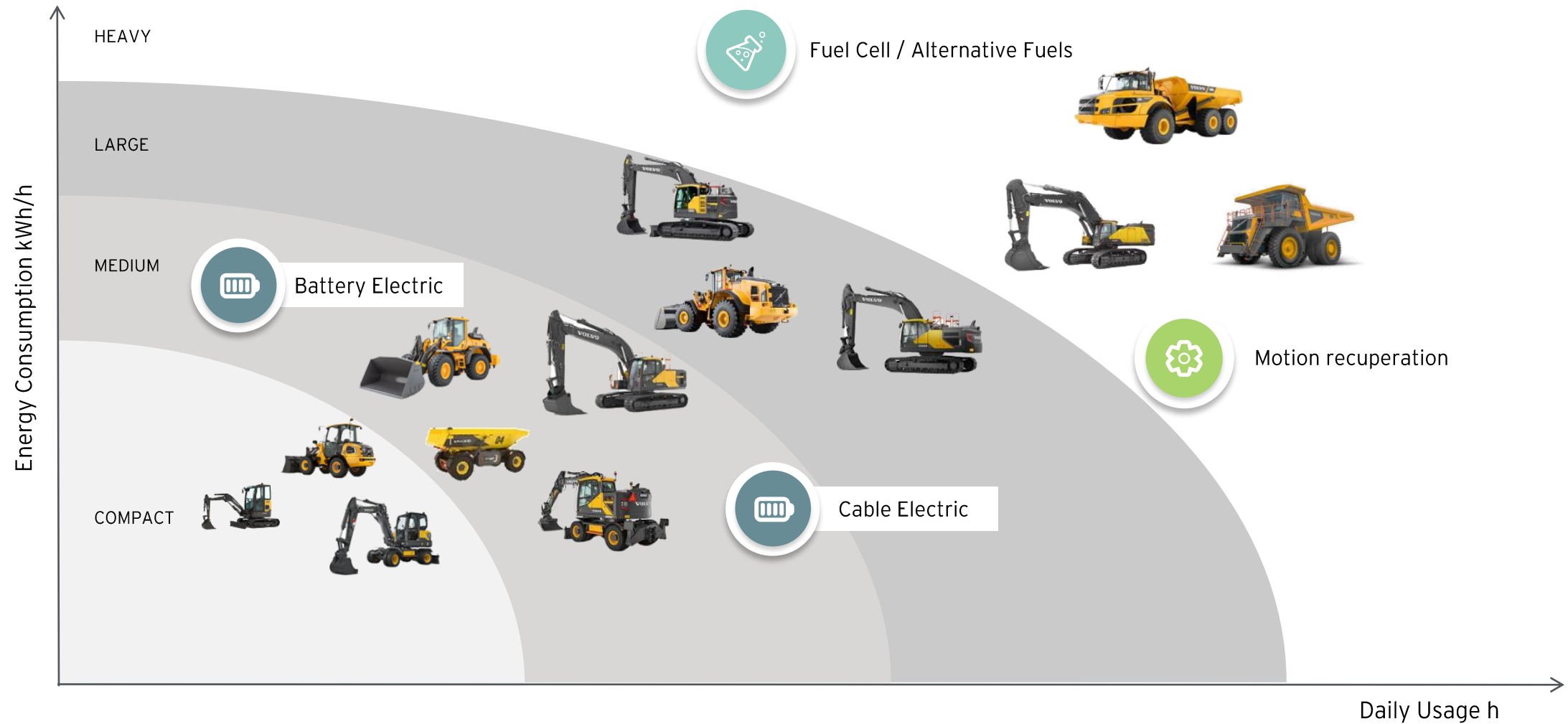
SCIENCE
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DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Accelerating the sustainable transformation



Different technologies for different utilization





A photograph of four children sitting on a sandy beach, looking out at the ocean during sunset. The children are seen from behind, and the scene is bathed in the warm, golden light of the setting sun. The ocean waves are visible in the distance, and the sky is a mix of orange and yellow.

OPPORTUNITY OF A LIFETIME

To build the world we want to live in

Thank you!