

V O L V O



# Volvo Trucks journey towards sustainable transports

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Volvo Trucks



**VOLVO**  
VOLVO GROUP



# VOLVO TRUCKS IN NUMBERS

global network of

**2,200**  
dealers

dealer and  
workshops

**150**  
countries

**1,2**  
**MILLION**

running population

assembled in

**12**  
countries

**147,000**  
Volvo trucks delivered worldwide

# THE CHALLENGE

How can we reduce the environmental impact when the demand for transports continue to increase?



# Volvo Trucks has set an ambition to reduce CO<sub>2</sub> with 50% in 2030 & net zero in 2050

2030

-50%

By 2030, CO<sub>2</sub> emissions from sold trucks shall be reduced with 50% vs 2019.

2040

-100%

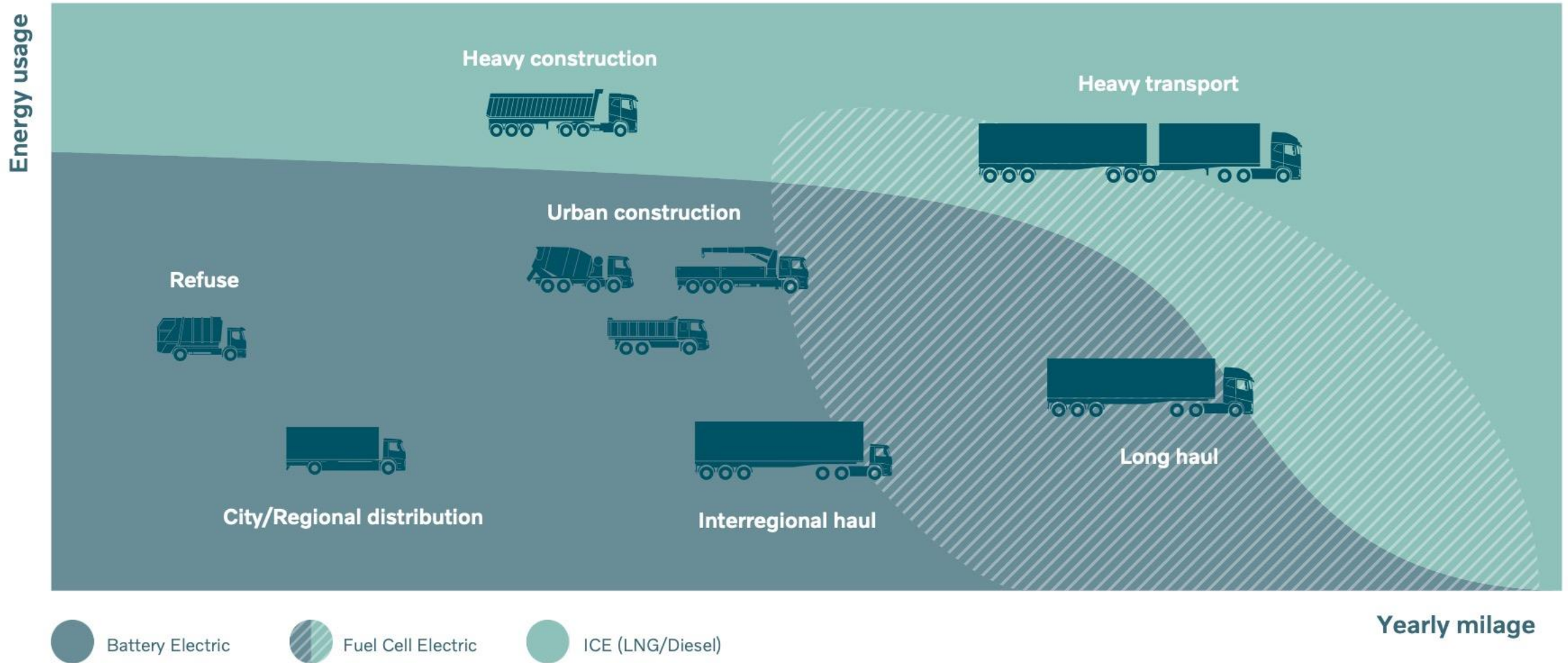
By 2040, CO<sub>2</sub> emissions from sold trucks shall be reduced with 100% vs 2019

2050

Net zero

By 2050, Volvo Trucks population shall emit net zero CO<sub>2</sub> emissions

# A mix of products will be required in 2030 to support -50% CO<sub>2</sub>



# Volvo Group has long experience to develop and commercialize solutions for electric commercial vehicles



1995-2005

2010

2016

2017

2019

2021

2022

Environmental  
Concept Trucks  
and Buses

Production start  
Hybrid Truck  
Hybrid Bus

Production start  
Plug-in Electric  
Bus

Production  
start  
Electric Bus

Production start  
Electric trucks  
distribution

Production  
start  
Electric trucks  
distribution  
conventional

Production start  
Electric trucks  
regional haul  
and urban  
construction

# The Global Electric Line Up







We deliver electric trucks - every day



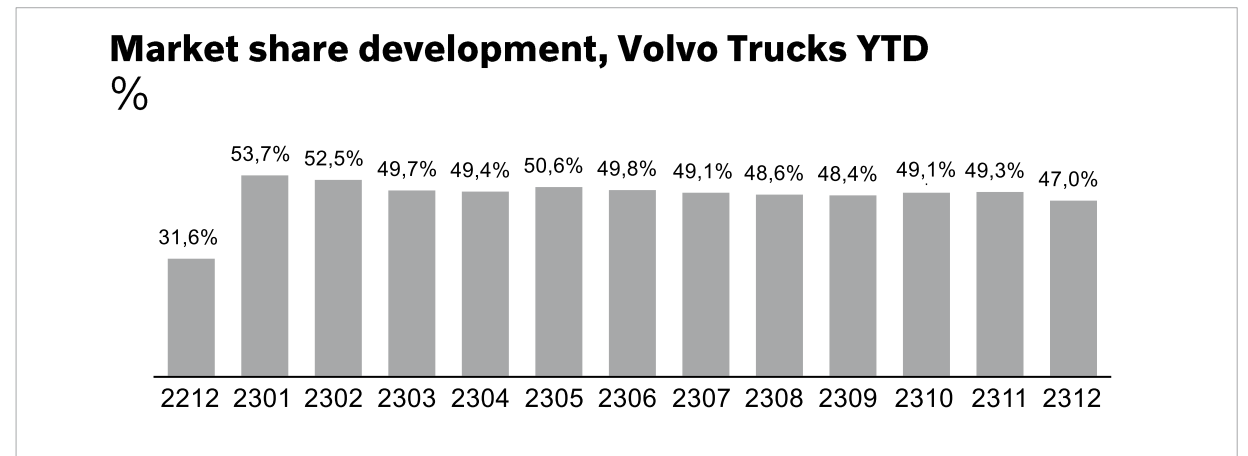
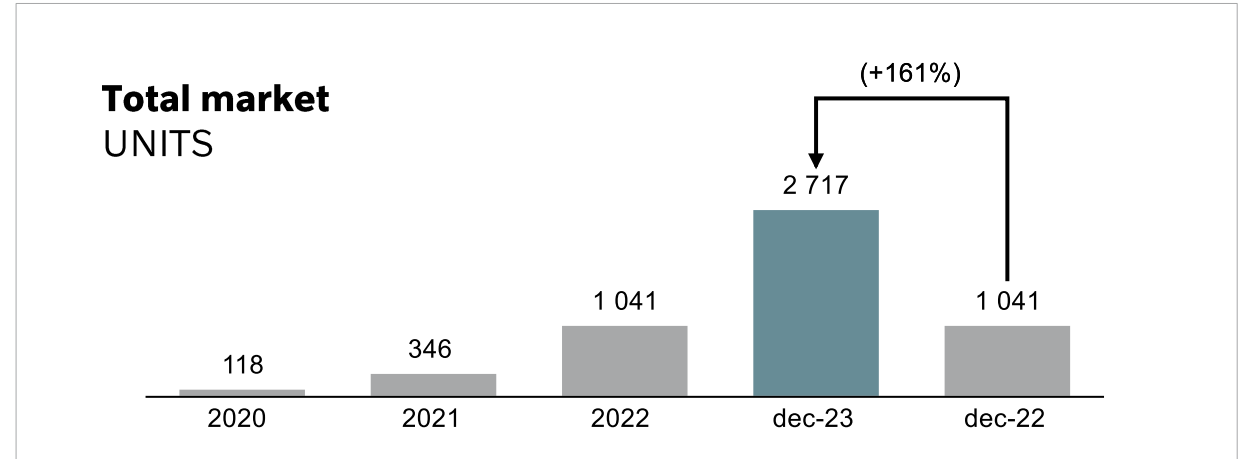
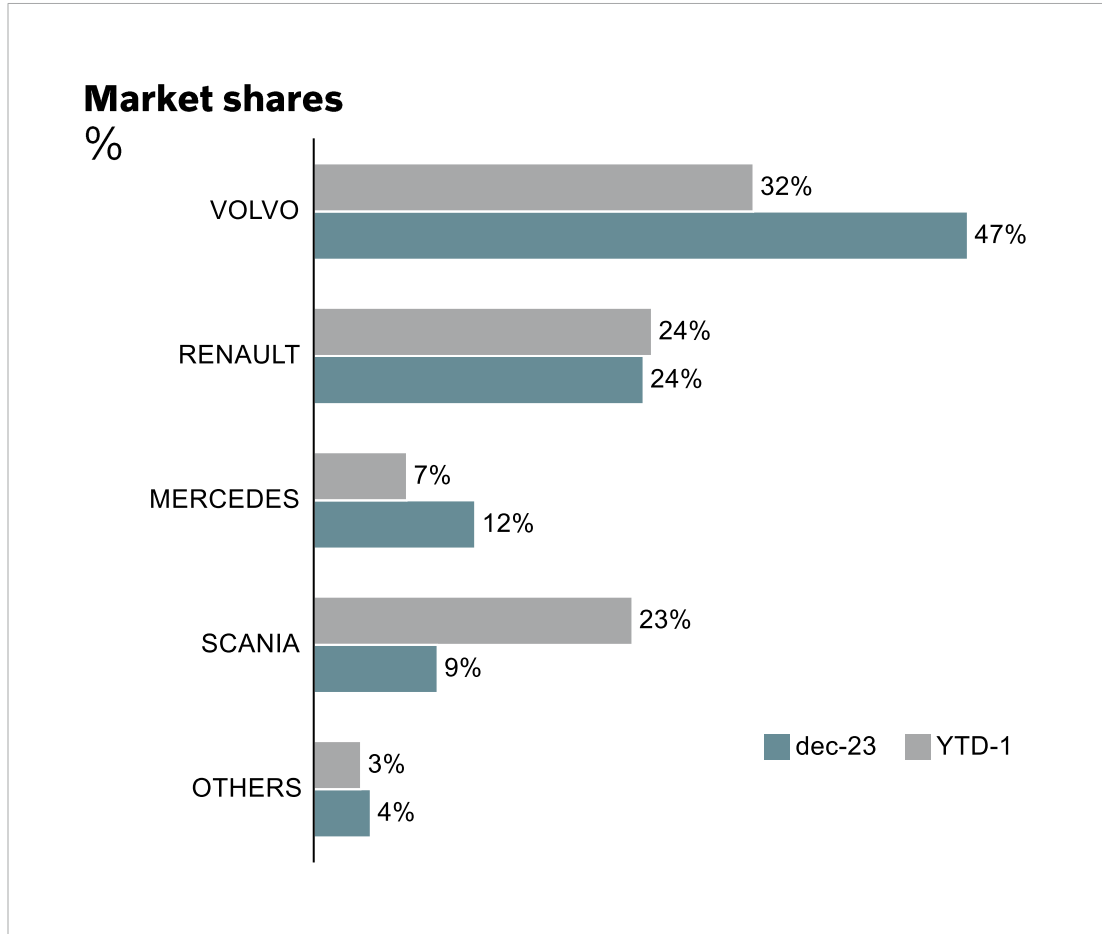
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Volvo's Electric trucks  
covered 35 million km  
in one year



# Market shares

EU30 HD – December 2023





ELECTRIC



UEU 085

# FL ELECTRIC



# FE ELECTRIC



# Volvo Trucks MD BEV - 2019

Leader in Refuse, Distribution and Urban Construction

Configurations	FL 4*2 and FE 4*2/6*2
Batteries	Variable number of battery configurations (3-6) and total energy storage up to ~400kWh
Range	FL distribution: Up to 400 km FE Waste and Refuse: Up to 150 km
Charging	Both AC (22kW) and DC (150kW)
Electric Driveline	In-house developed two speed transmission with one or two EMs capable of handling 26T GCW (FE)





100% elektrisk

CityFlex C40e

BUCHER

- 0% emissioner
- 2-3 timers ladetid\*
- 265 kWt / 600 V DC
- 90 l/min. @ 150 bar
- 12.400 l/min

Eksempel på batteriforbrug:  
150 km. kørsel og 180 min. drift

En hel  
arbejdsdag på  
én opladning

Driven by better

188888  
188888



100% ELEKTRISK

STARK



**STARK**

Sammen bygger vi professionelt

100% ELEKTRISK 100% EMISSIONSFRI



**STARK**

Sammen bygger vi professionelt

100% ELEKTRISK 100% EMISSIONSFRI



**STARK**

Sammen bygger vi professionelt

100% ELEKTRISK 100% EMISSIONSFRI

**100%**  
ELEKTRISK LEVERING



PALFINGER PK 22002-EH  
100% ELEKTRISK

SAVO





TERBERG ENVIRONMENTAL

2040

FREDERIKSBERG KOMMUNE

Frederiksberg Renovation

ELECTRIC

ELECTRIC

Frederiksberg

# FM ELECTRIC

# FH ELECTRIC

# FMX ELECTRIC



# Volvo Trucks HD BEV - 2022

The most flexible offer available

- FM, FMX and FH up to **GCW 50 tons**
- Tractor and Rigid
- Extensive axle configuration offering **4x2T/R, 6x2T/R 6x4T/R, 8x2R, 8x4R (FAA10)**
- Wide range of wheel-bases. Main restriction is on short wheel-bases
- All cab sizes, except Crew Cab and XXL, will be offered
- Flexible energy content **180-540 kWh**
- I-shift based driveline **330/490 kW** (Cont power)
- Available chassis heights: **Medium and High**
- **AC (43 kW)** and **DC (250 kW)** charging
- Range: up to **300 km**



# New Electric models





BMW Motoren GmbH

ELECTRIC 100% ELEKTRISCH

BMW GROUP  
Werk Steyr

NACHHALTIGER WIRTSCHAFTS WEG  
UNTERWEGS  
IN RICHTUNG ZUKUNFT: MIT E-ANTRIEBEN AUS STEIER

K&N  
holmann & neff

VOLLELEKTRISCH.

P  
Handwerkstraße

Wareneingang  
Lieferung  
für 2N/2B

Wareneingang  
Versand

VZ 2 / Tanklager

Handwerkstraße

Handwerkstraße



ELECTRIC

**WATTSNEW**  
BUILD ON ELECTRIC POWER  
100% elektrische

**WATTSNEW**  
BUILD ON ELECTRIC POWER  
wattsnew.nl  
E-BO

100% Elektrisch

**Vlot Logistics**

100% SCHOON EN GERUISLOOS

45-BTF6



FULL ELECTRIC

58-8TV-8

232

FH

VOLVO

SCHENKER



P10 P11

15 16

587 DB SCHENKER

DB SCHENKER

DB SCHENKER

MAK

MAK

MAK

MAK

MAK



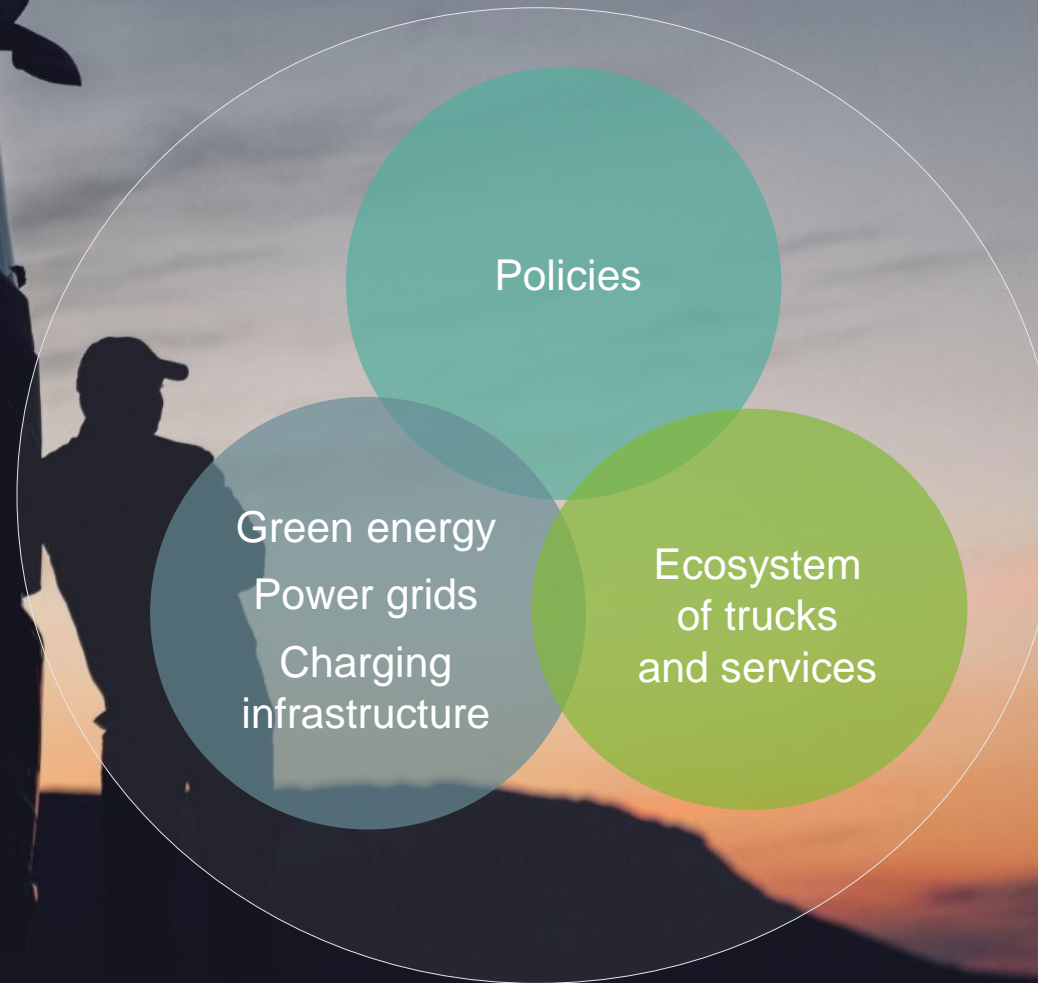
# Improved working environment

## Attracting highly qualified drivers

- Low engine noise & vibrations
- Zero emissions
- Improved safety



# What is necessary to succeed



WELL-FUNCTIONING MARKET



SAFE CARING FOR  
**FUTURE  
GENERATIONS**



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