

V O L V O

SPEEDING UP THE SHIFT

EXPLORE
VOLVO TRUCKS
ELECTRIC RANGE

Volvo Trucks

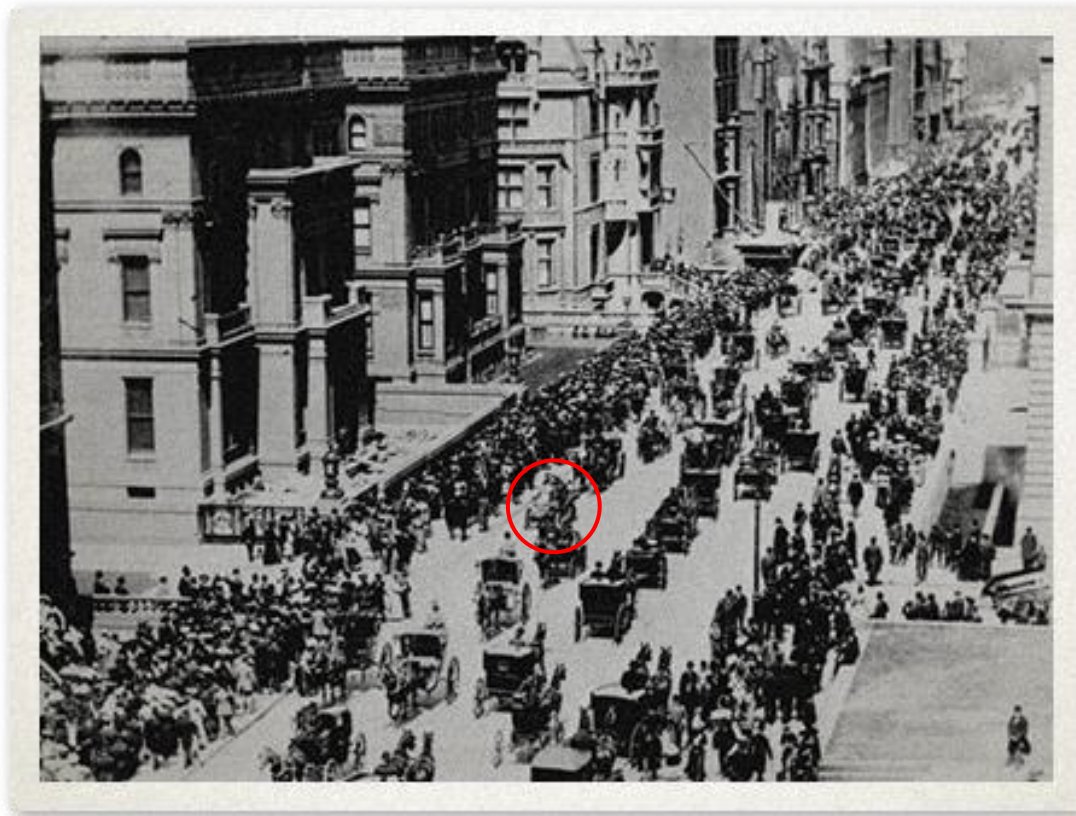
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Silvo Kastrevec

Key Account Manager & Electromobility

Volvo Trucks

Quick transition

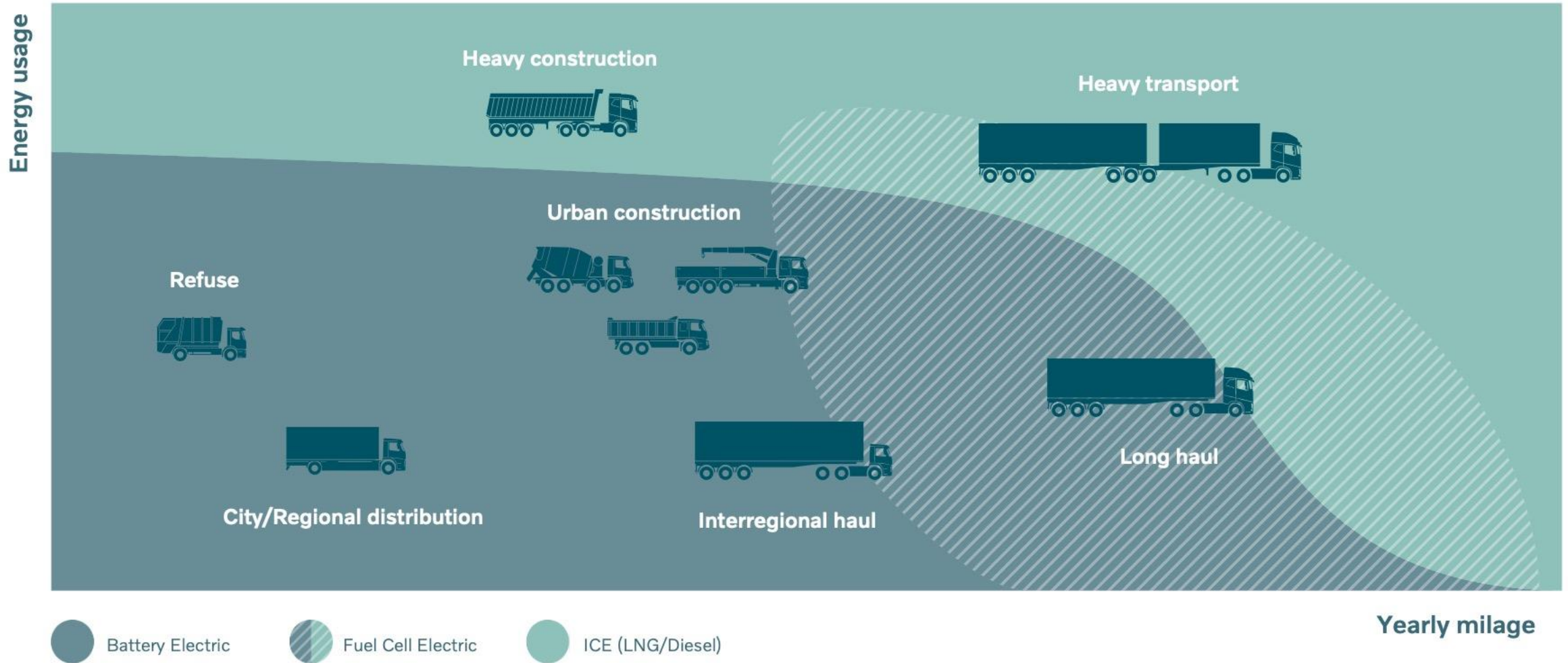


New York 1900



New York 1913

A mix of products will be required in 2030 to support -50% CO₂





WE DELIVER ELECTRIC TRUCKS – EVERY DAY



V O L V O

FULL ELECTRIC RANGE IN EUROPE





ELECTRIC

ELECTRIC POWER

VOLVO

APPLICATIONS



From city to city in comfort.

Volvo FH Tractor Electric



- Up to 44 tonnes GCW
- Range up to 300 km
- Charging time: 2.5 h (DC) / 9.5 h (AC)
- Driveline performance: up to 490 kW / 666 hp
- Battery capacity: 450–540 kWh / 5–6 batteries

Flexible regional assignments.

Volvo FM Tractor Electric



- Up to 44 tonnes GCW
- Range up to 300 km
- Charging time: 2.5 h (DC) / 9.5 h (AC)
- Driveline performance: up to 490 kW / 666 hp
- Battery capacity: 180–540 kWh / 2–6 batteries

Flexible regional assignments.

Volvo FM/FH Rigid Electric



- Up to 44 tonnes GCW
- Range up to 380 km
- Charging time: 2.5 h (DC) / 9.5 h (AC)
- Driveline performance: up to 490 kW / 666 hp
- Battery capacity: 180–540 kWh / 2–6 batteries

Fit for building and construction.

Volvo FMX Electric



- Up to 44 tonnes GCW
- Range up to 320 km
- Charging time: 2.5 h (DC) / 9.5 h (AC)
- Driveline performance: up to 490 kW / 666 hp
- Battery capacity: 180–540 kWh / 2–6 batteries

Compact but capacious.

Volvo FE Electric



- Up to 27 tonnes
- Range up to 200 km
- Charging time: 2 h (DC) / 11 h (AC)
- Driveline performance: up to 225 kW / 306 hp
- Battery capacity: 200–265 kWh / 3–4 batteries

Door-to-door deliveries.

Volvo FL Electric



- Up to 16.7 tonnes GCW
- Range up to 300 km
- Charging time: 2 h (DC) / 11 h (AC)
- Driveline performance: up to 130 kW / 177 hp
- Battery capacity: 200–395 kWh / 3–6 batteries

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Great working environment

Attracting qualified drivers

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





AVAS – Volvo designed sounds for safety



Active Grip Control
smoother, faster, safer





”Parking time is charging time”

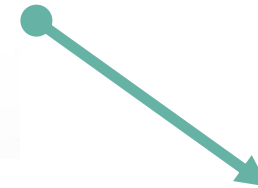
Bulk energy supply during vehicle night standstill with charging opportunity during driver resting time and loading/unloading

Charging Setup - Two ways to charge

Type - AC

Onboard charging via wall box (max 43 kW)

0-100% → 9-10 h

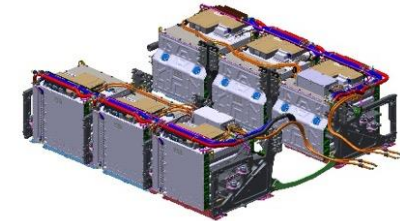


Type - DC

Output Voltage 500-750V (up to 250 kW)

0-100% → 2 h

0-80% → 1 h 30 min



Electric Range Simulator - ERS

- Will I manage my transport mission with this new technology?

ERS main purpose
to find optimal solution

- Payload
- Charging
- Range



Collaborate with customer
to find the right

- Specification
- Charging setup



Four main ERS blocks

1

Vehicle specification

- Curb weight
- Max payload
- Specify PTO

2

Route

- Way points
- Setup charging stations

3

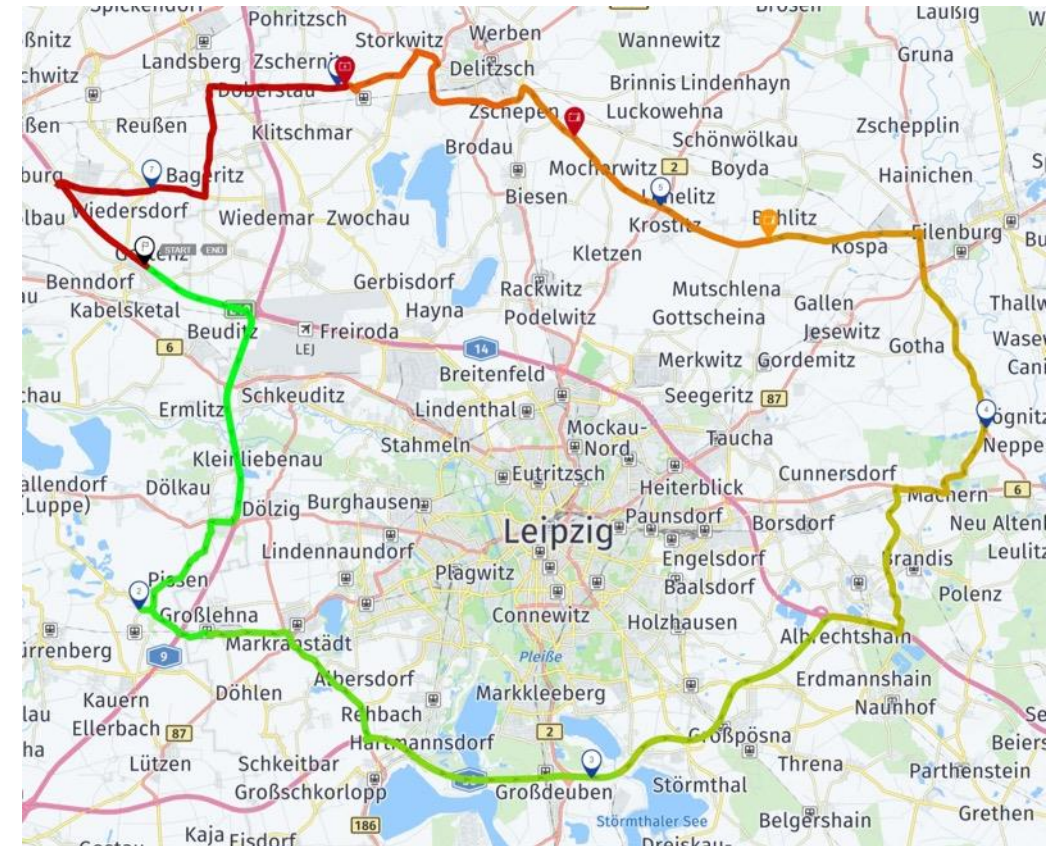
Travel plan (operation)

- Load and unload
- Service time
- PTO consumption

4

Result

- Energy consumption
- Analysis
- Iterate 1-4



Service Contract

Gold Service contract, complete package:

Individual service plan

Maintenance and repairs

Battery coverage

Real-time monitoring of the truck

24/7 roadside assistance

For full control of cost and deliveries

Peace of mind



VOLVO



Your best
business partner



ELECTRIC
POWERED

Skrotfrag
Återvinnet för framtiden

Skrotfrag
Återvinnet för framtiden

Skrotfrag
Återvinnet för framtiden

ELECTRIC

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Safe caring for

FUTURE GENERATIONS

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