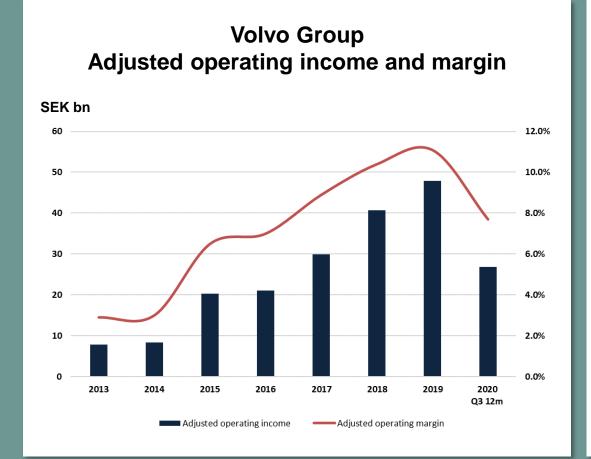
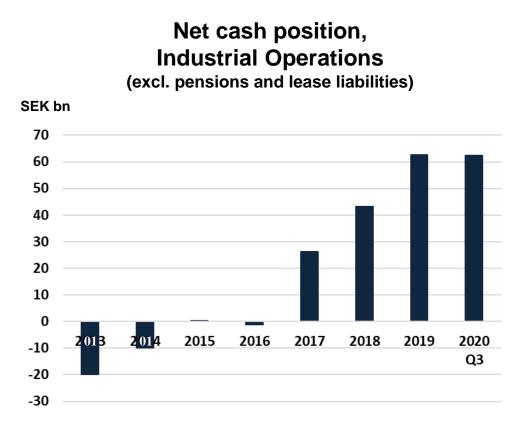
Shaping the future of transportation November 5, 2020

ELECTRIC TEST VEHICLE

FM

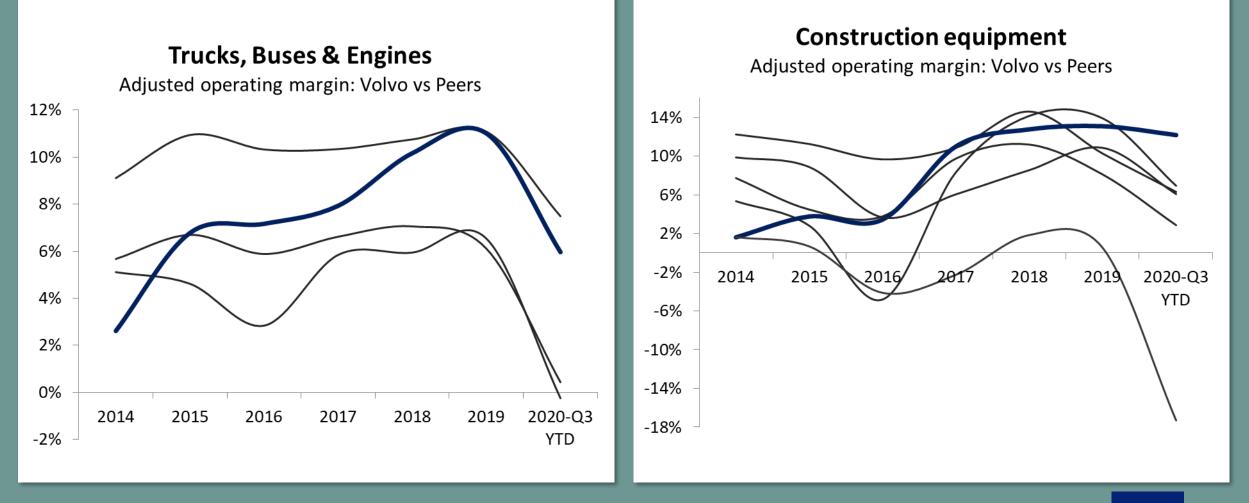
Strengthening the resilience over the cycle





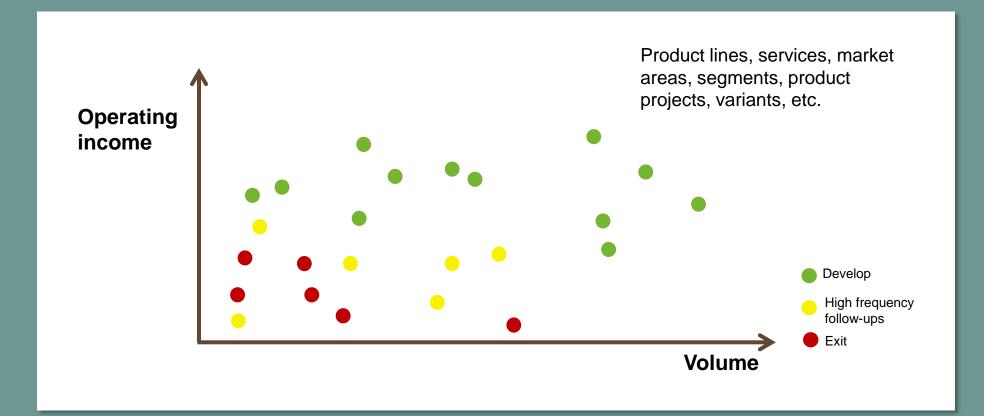
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Achieving industry-leading performance



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We continue to review performance and take action



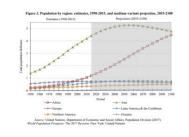
Delivering on our financial ambitions

Gradual and consistent earnings improvement Reduced volatility in earnings and cash flow Discipline in capital allocation/ investments Continuous investments in new **business models** by innovation and new technologies



Global mega trends

Growing global population



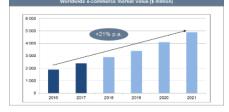


Decarbonization and air quality

Va m

Rapid urbanization





Growing e-commerce

New technologies





New societal demands

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Our strategy continues to serve us and our customers well



VOLVO GROUP

Be the most desired and successful transport and infrastructure solution provider in the world

Aspirations

Have leading customer satisfaction for all brands in their segments

Trust

Be the most Have industry admired leading employer profitability in our industry

Values

Passion

Customer success

Change Performance

Code of Conduct

We respect We earn We separ one another business fairly interests f and lawfully activities

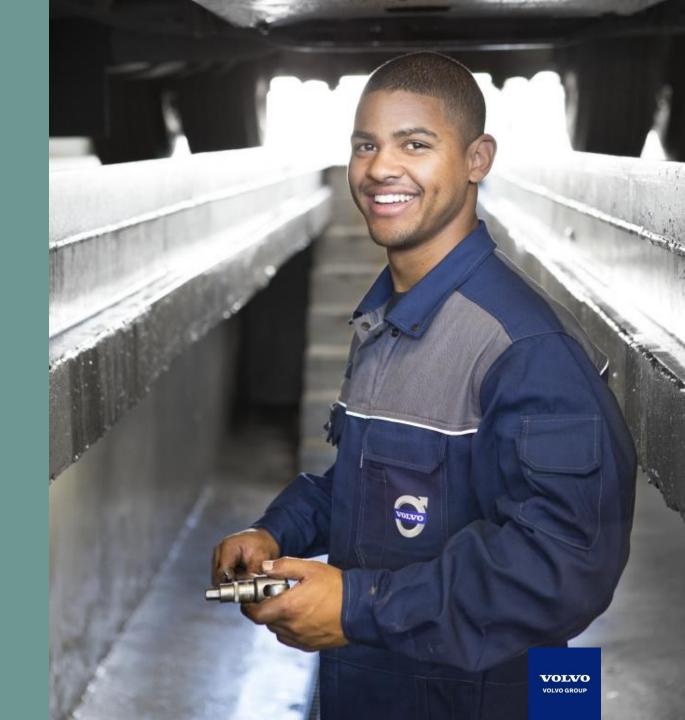
We separate personal
interests from business
activitiesWe safeguard
company information
and assets

We communicate transparently and responsibly

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Performance culture FIT FOR THE FUTURE

- Profit and loss responsibility
- Empowerment
- Regionalized value-chains
- Simplicity and speed
- Continuous improvement



The Volvo Group journey continues



7 revised strategic priorities

1	Transform the Volvo Group to become a leading end-to-end integrator as well as offering easy to integrate products and services through strong brands.
2	Grow the service business and target selected industry verticals offering a portfolio of tailor-made solutions.
3	Secure a desirable sustainable product and service portfolio with the right quality, leveraging new and well-known technologies, CAST, partnerships and digital innovation - accelerating electromobility solutions.
4	Grow in Asia and the US : In Asia through JVs, alliances and by strengthening the Volvo Group footprint in China. In the US by significantly improving the Group's market position.
5	Develop robust profitability throughout the decentralized regional value chains by leveraging global scale, digitalization, a purpose-fit footprint and continuous improvement using Volvo Production System.
6	Selectively capture, accelerate and scale-up new businesses and develop competencies and capabilities needed.
7	Reinforce value-based leadership and ways of working where all colleagues are empowered to take action and are accountable for the results.
Volvo Group	



Long-term ambition: 1000/0 Safe Fossil free More productive

Executing on our CO₂ reduction ambitions

-18%

CO₂ reduction per shipped volume in our own transport system since 2013

-35%

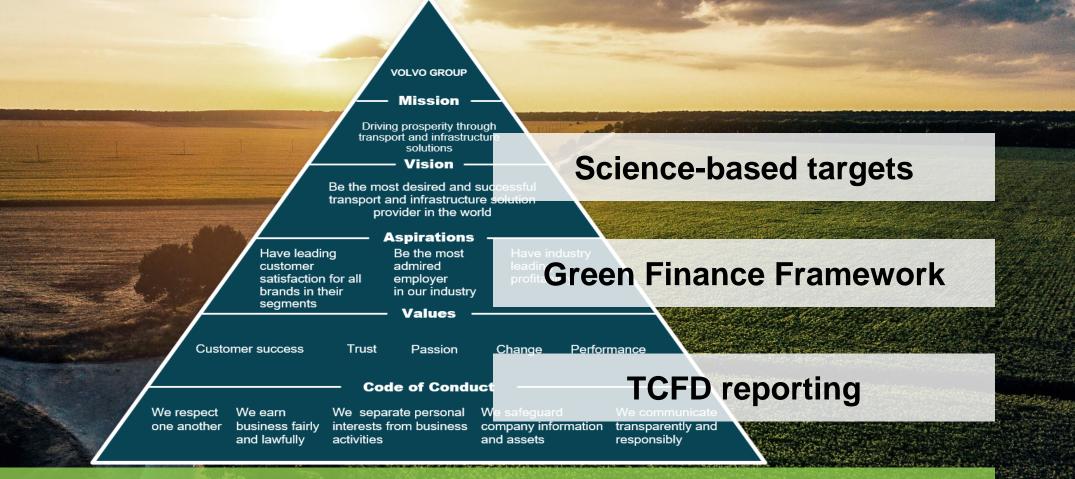
CO₂ reduction in our own manufacturing operations since 2013

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Ghent plant – CO₂ free vehicle production in 2007

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Sustainability at the heart of everything we do



Paris agreement commitment

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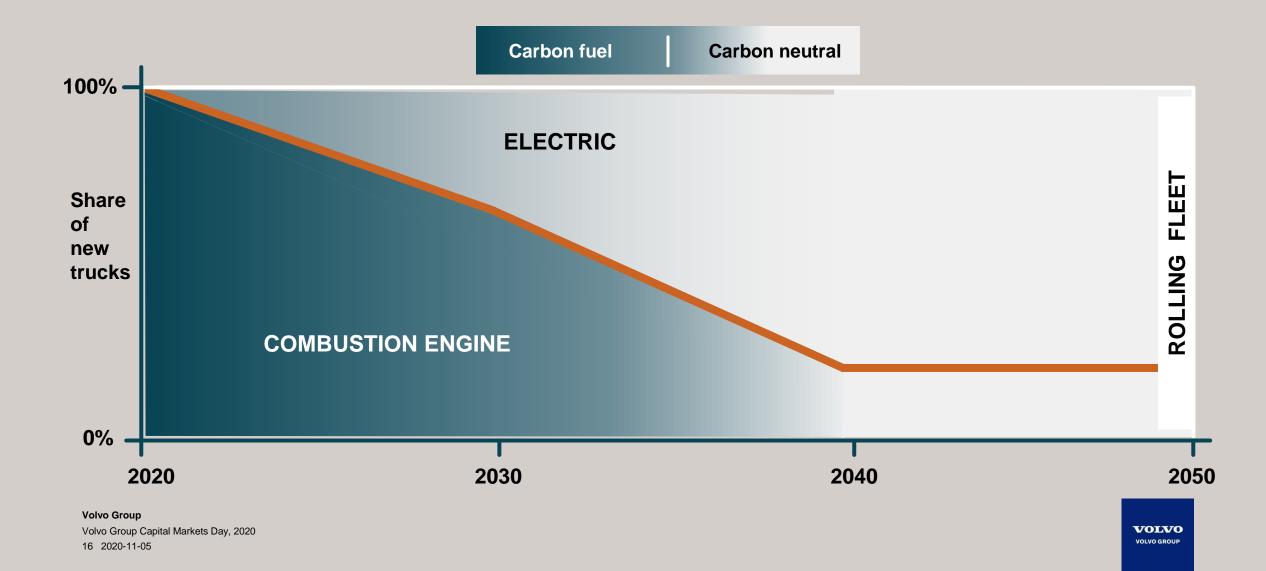


Setting a clear direction

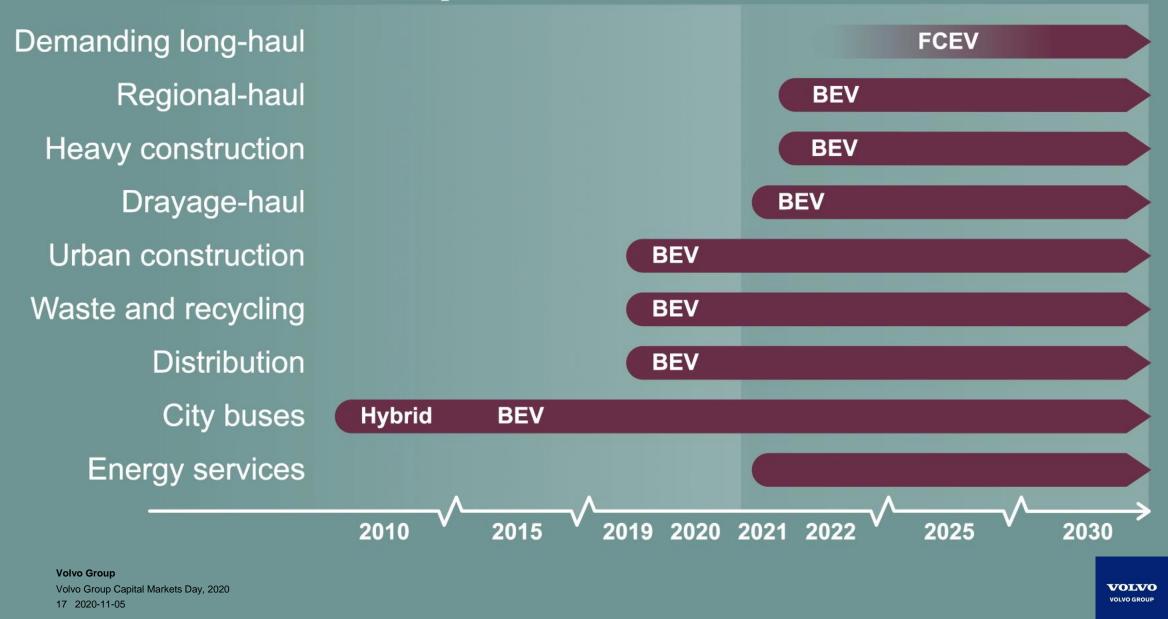
- >50% of revenues from services and solutions by 2030
- >35% electric vehicles by 2030
- Leading by example with the world's most sustainable in-house logistics system by 2025
- Implementation of 100 transport and infrastructure solutions for our customers by 2025



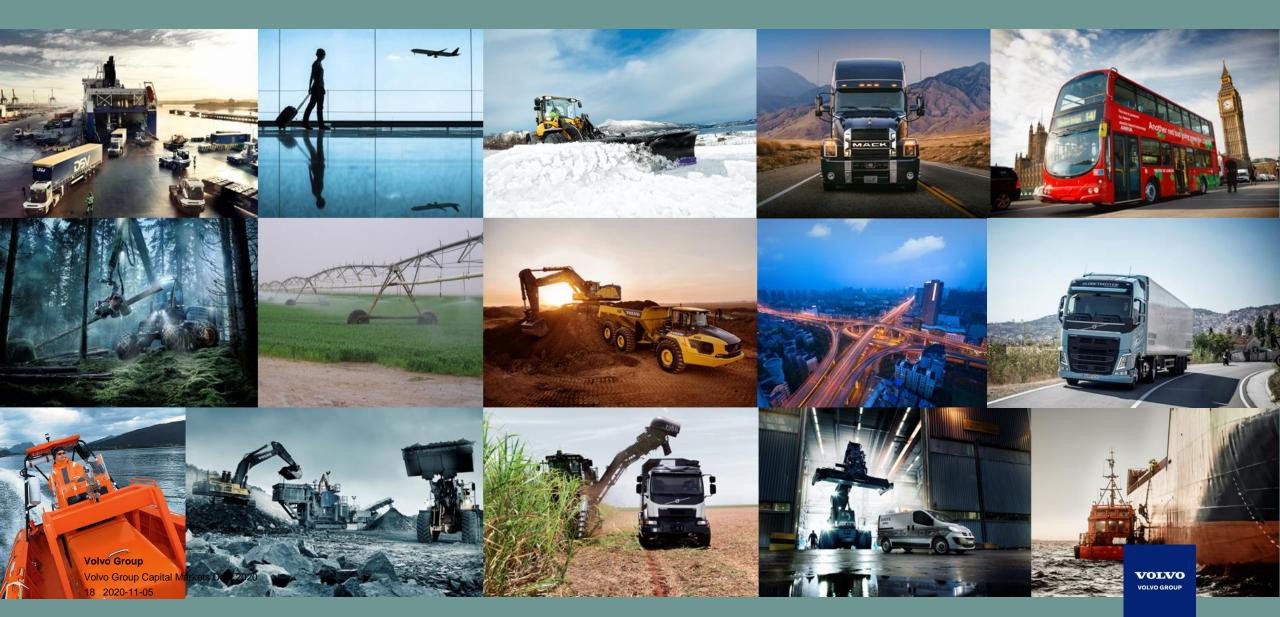
100% fossil free Volvo Group vehicles from 2040



Fast-paced introduction



Addressing a broad spectrum of customer segments



THE GLOBAL ELECTRIC LINEUP



Volvo FE Electric Volvo FM Electric Volvo FH Electric Volvo VNR Electric Volvo FMX Electric Volvo FL Electric

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Electric vehicles

ELECTRIC OFFERING



Operational efficiency services

Maintenance & repair



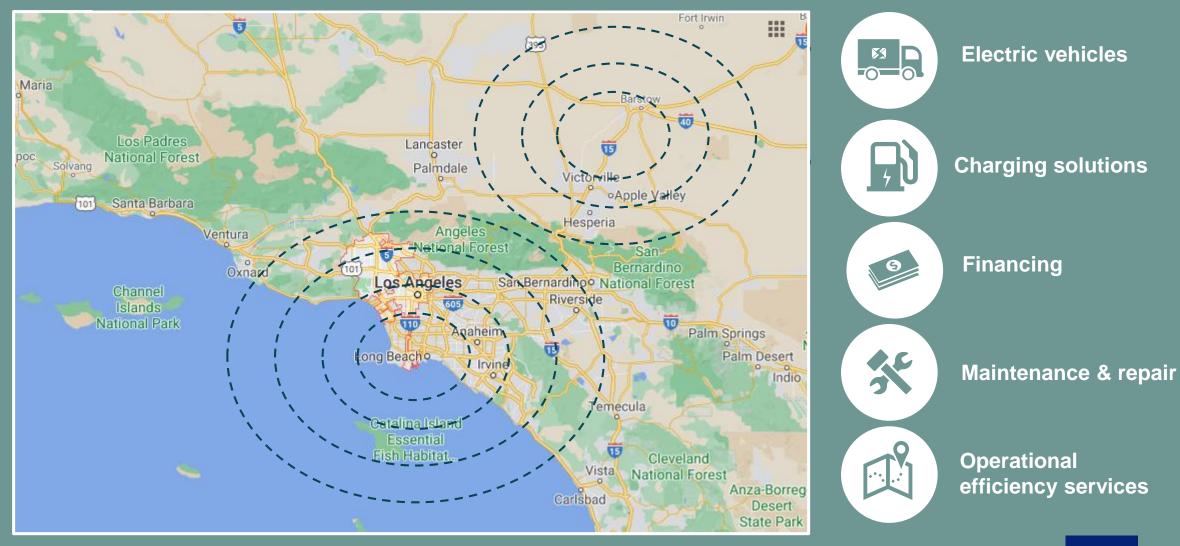
Charging solutions



Volvo Financial Services



Gradual roll-out of electric ecosystems



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Customer requirements • Safety

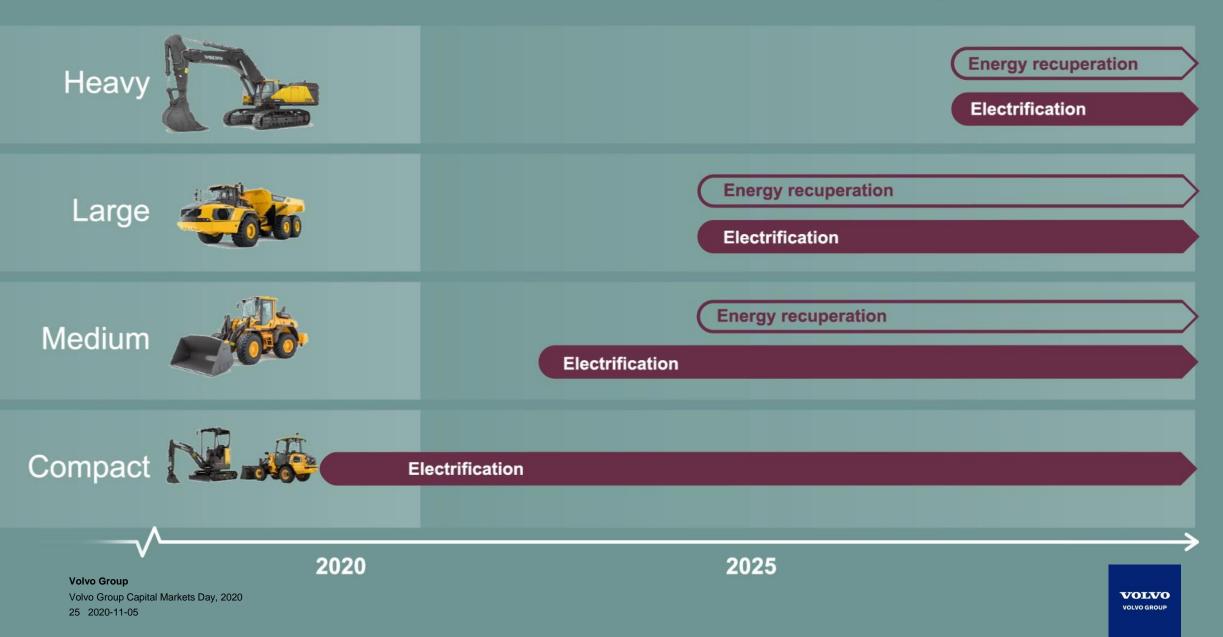
- Productivity
- Sustainability



Winning formula: Group technology platform and continued segment leadership

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Volvo CE electrification roadmap



Unlocking customer value with connectivity

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VOLVO

A new business model Value sharing by maximizing capacity

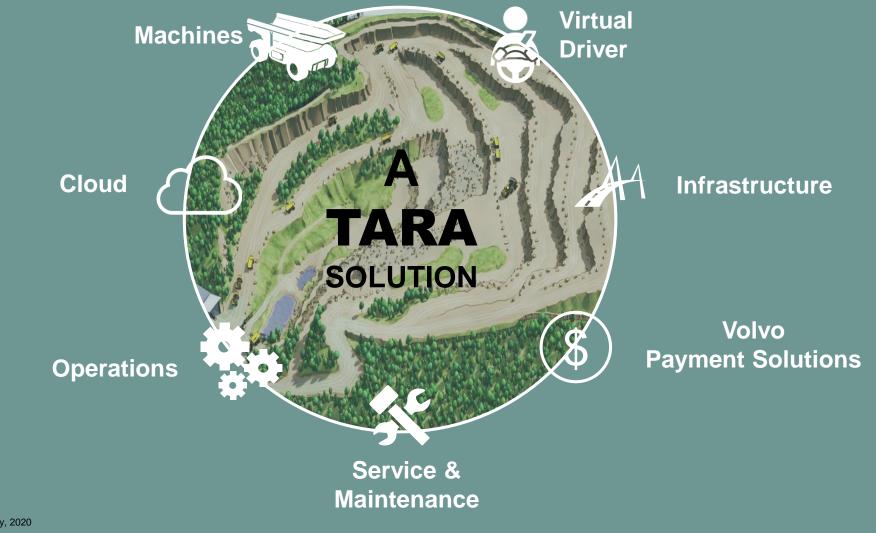
VOLVO GROUP

H Entreprened of Transport A8

Göteborg

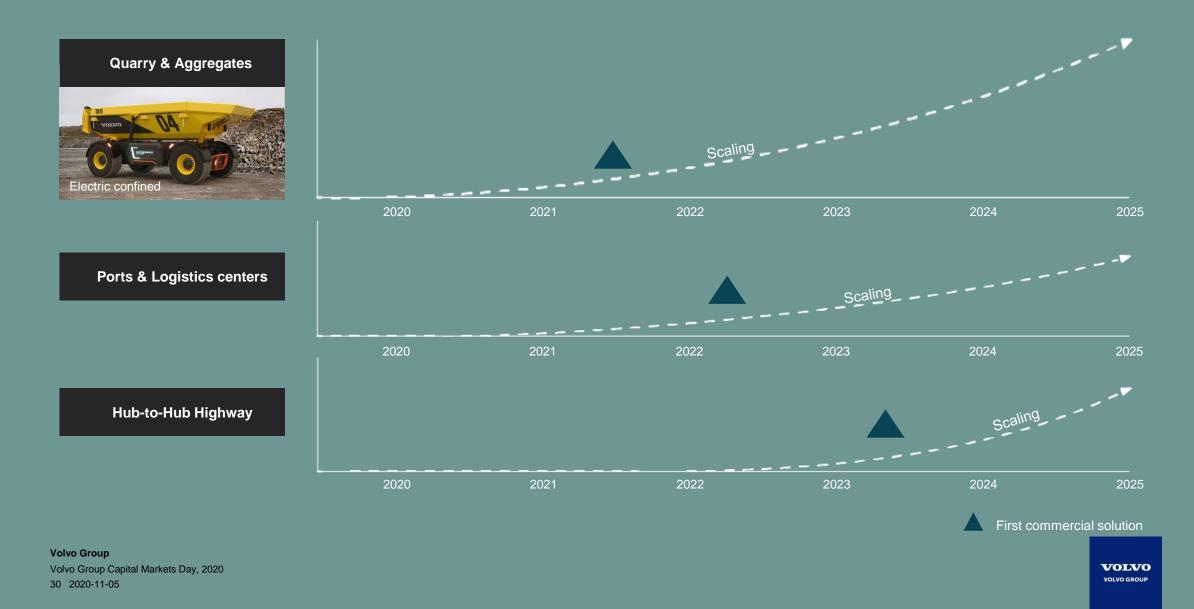


Our business model – Transport as a Service

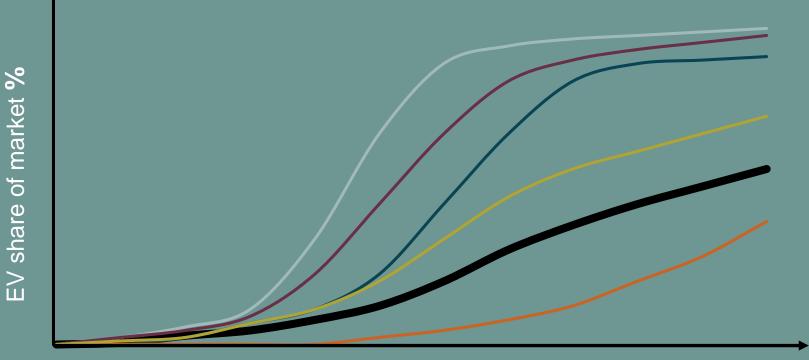


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Go-to-market focusing on three strategic customer segments



The Great Shift to electrification

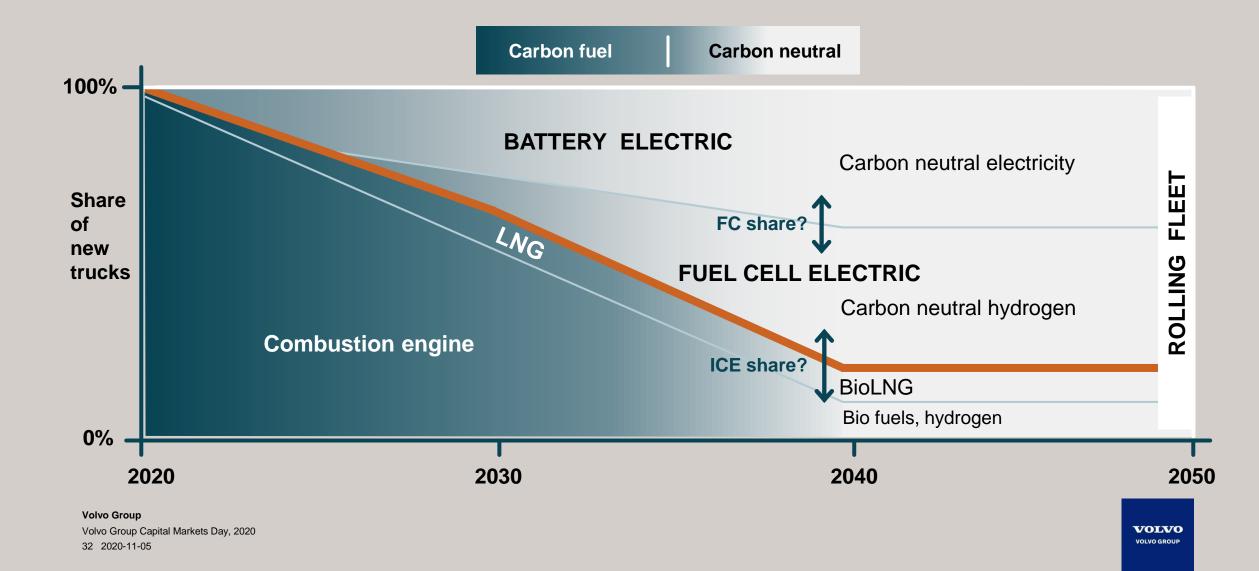


- Segment by segment
- Market by market
- Region by region

Total — Distribution — Waste — Regional — Long Haul — Construction

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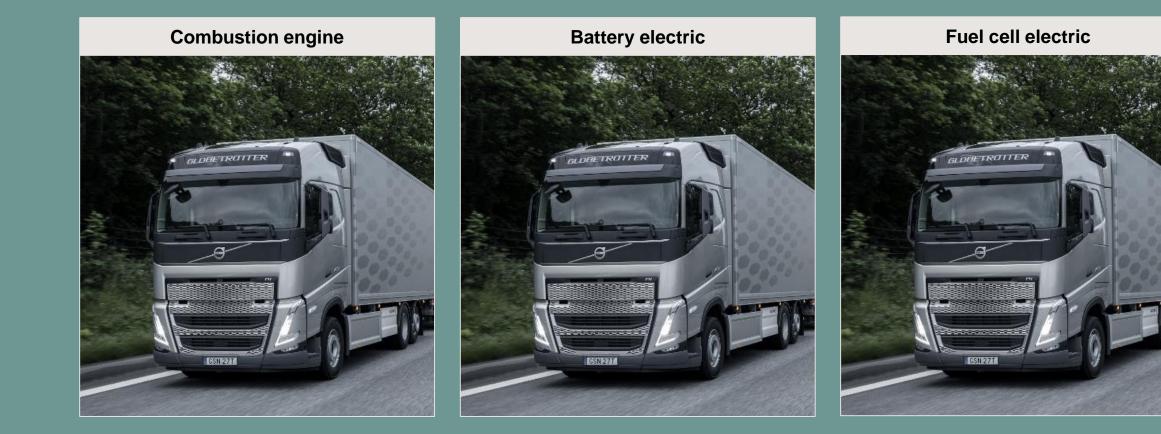
100% fossil free Volvo Group vehicles from 2040



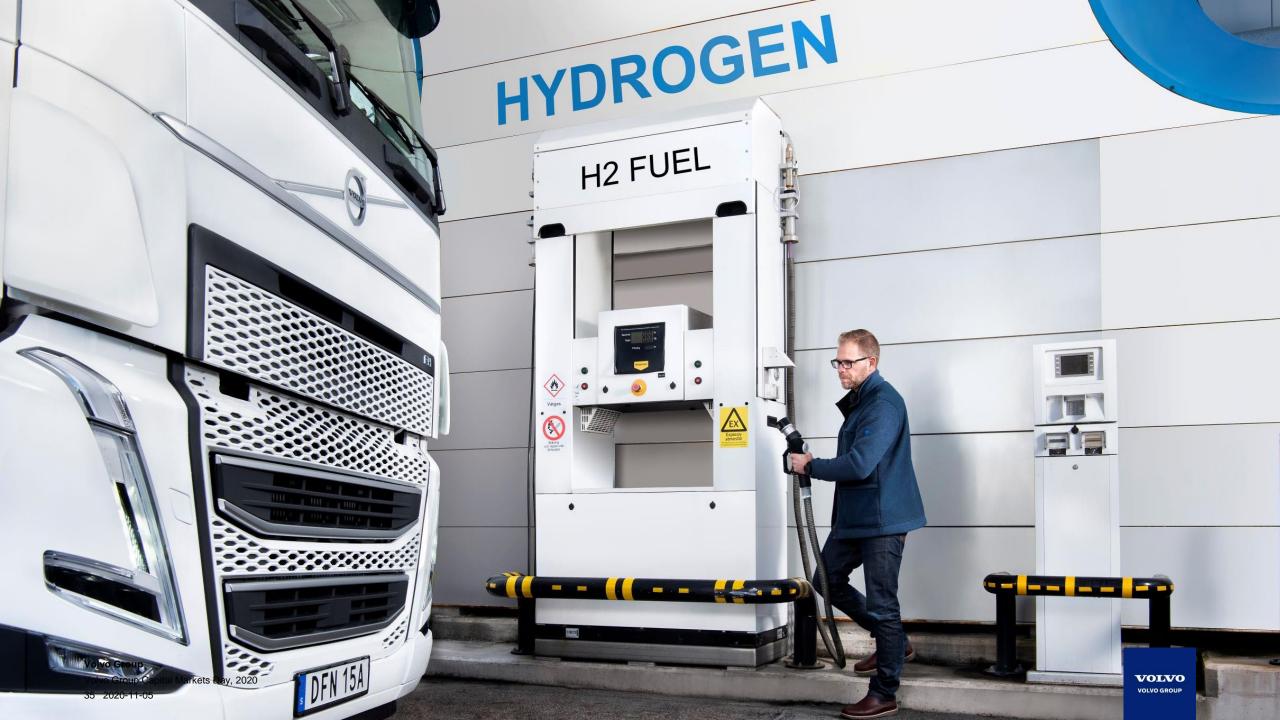
Modular architecture approach



CAST – a modular R&D approach



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JOINING FORCES FOR HYDROGEN-POWERED CO₂-NEUTRAL TRANSPORTATION

DAIMLER

Daimler Truck

Technology leadership Economy of scale

VOLVO

VOLVO GROUP

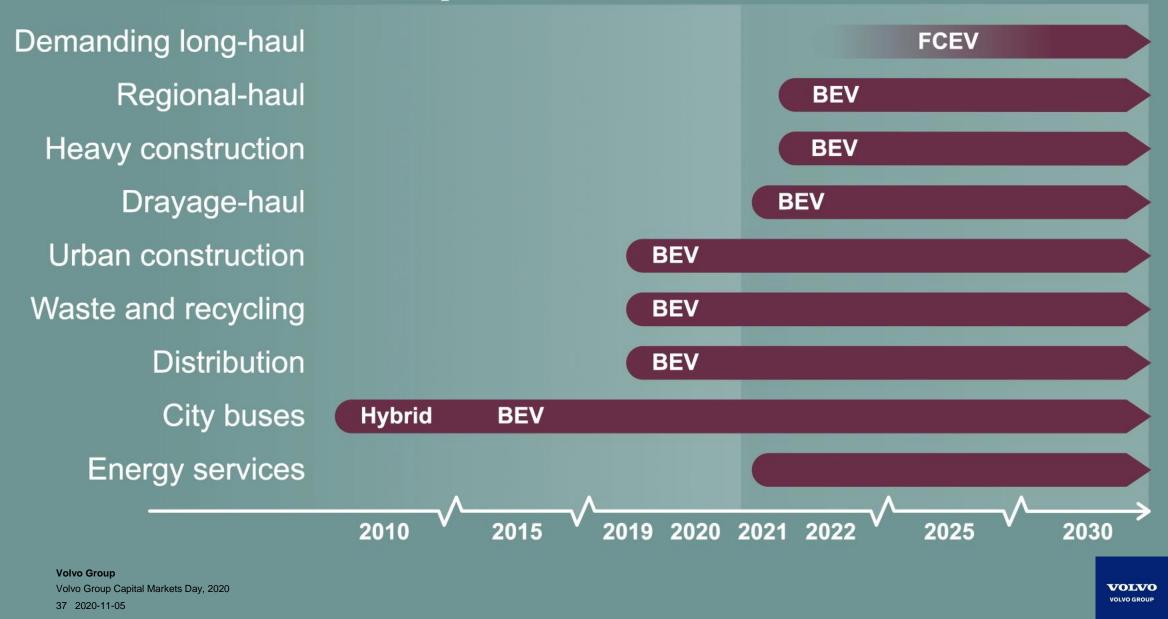
Society push

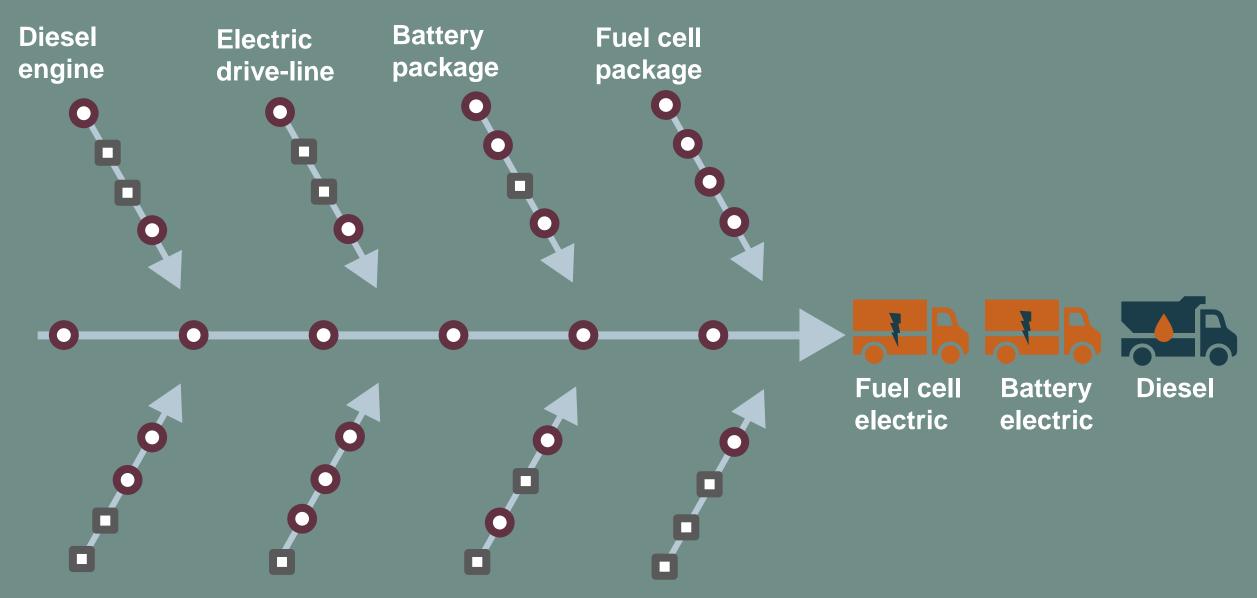
Infrastructure roll-out

arkets Day, 2020

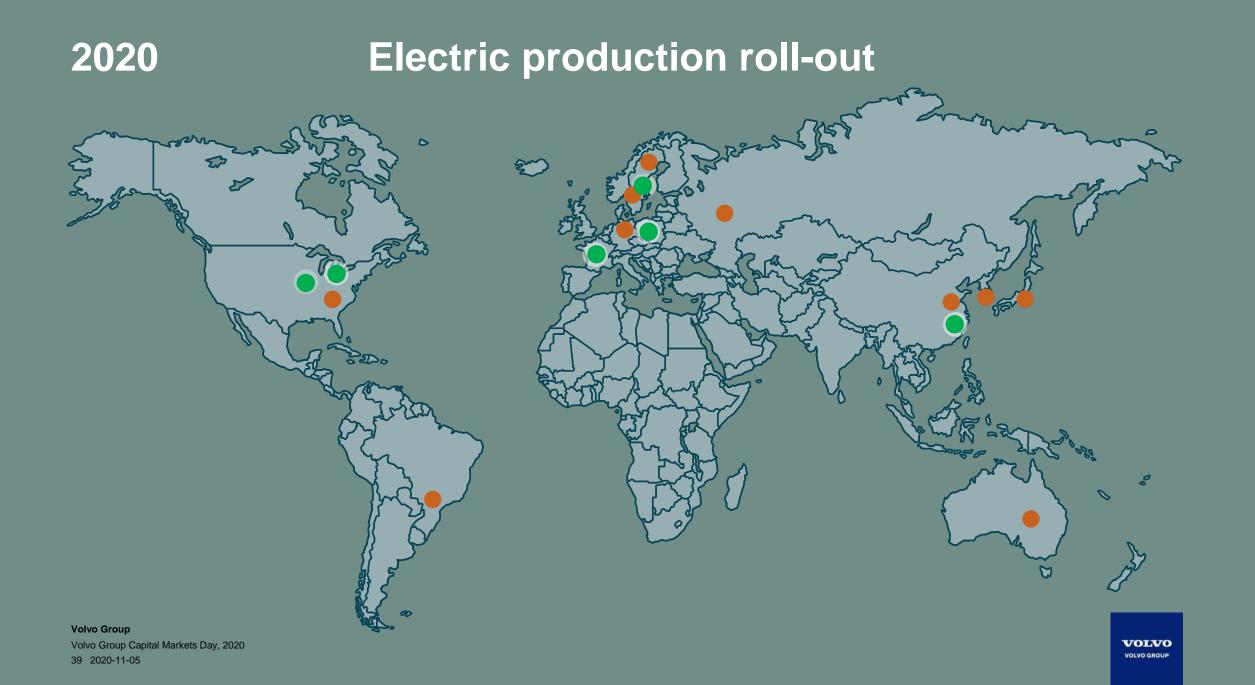
VOLVO

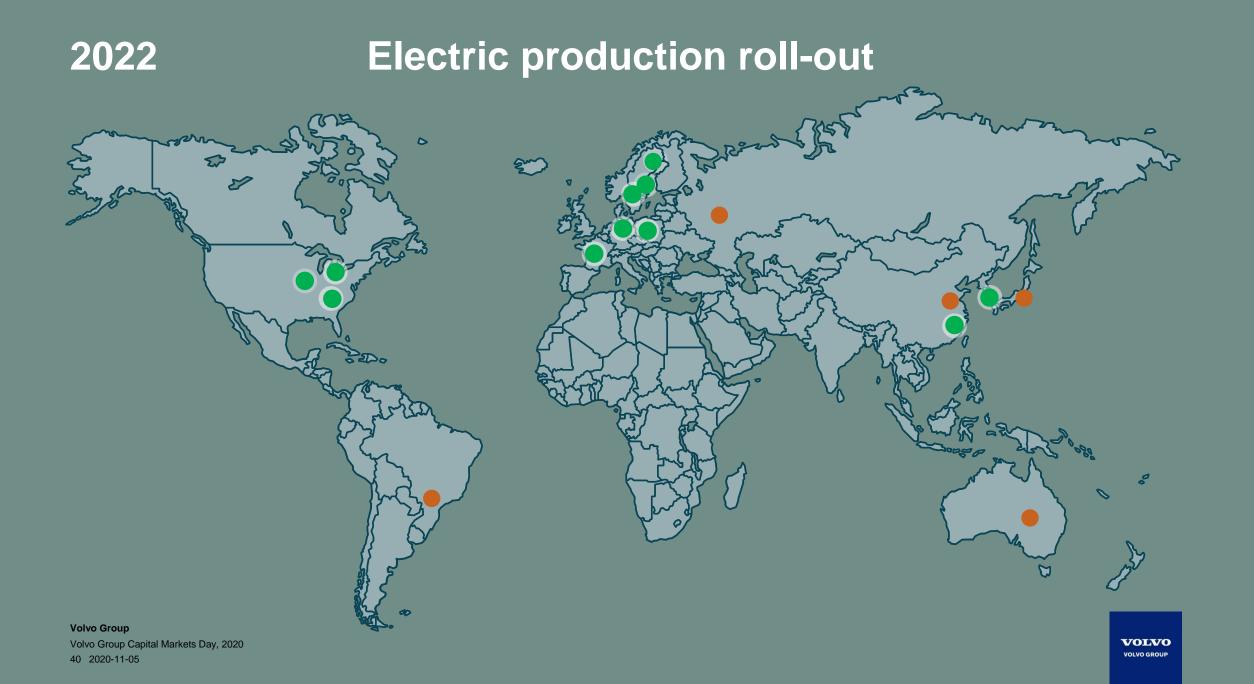
Fast-paced introduction

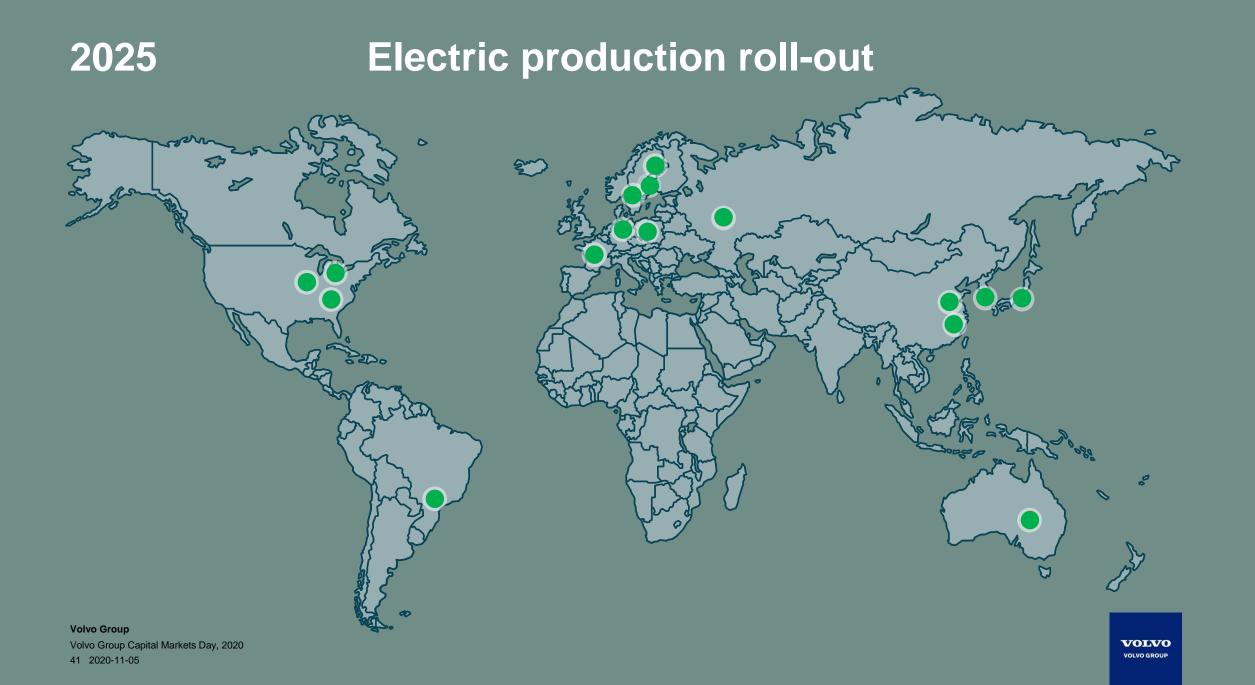




Pre-assembly stations

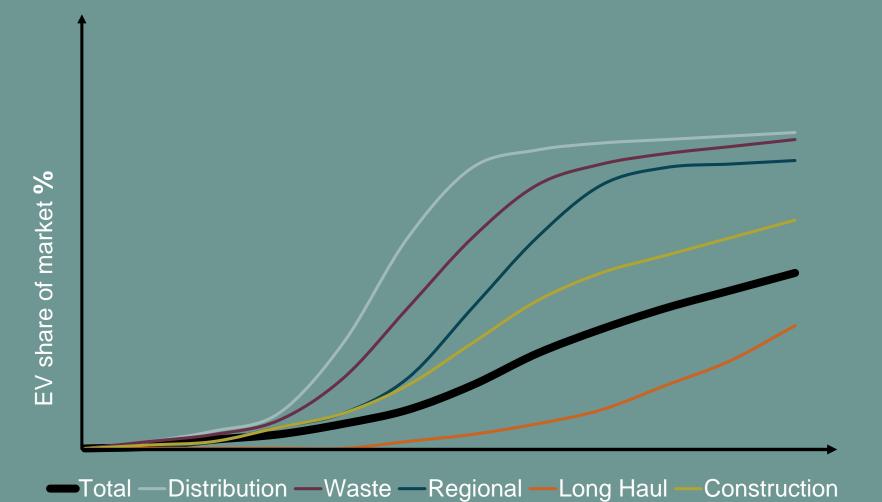






ILLUSTRATIVE

Volume ramp-up according to demand



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Leading the transformation towards fossil free transports



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The transformation will accelerate now

Great opportunity in Nordic food retail – distribution example

Logistics cost Food retailer

CO2 from logistics Food retailer

■Logistics cost ■Other cost

Transport cost ~6% of total costs

■ Logistics CO2 ■ Other CO2

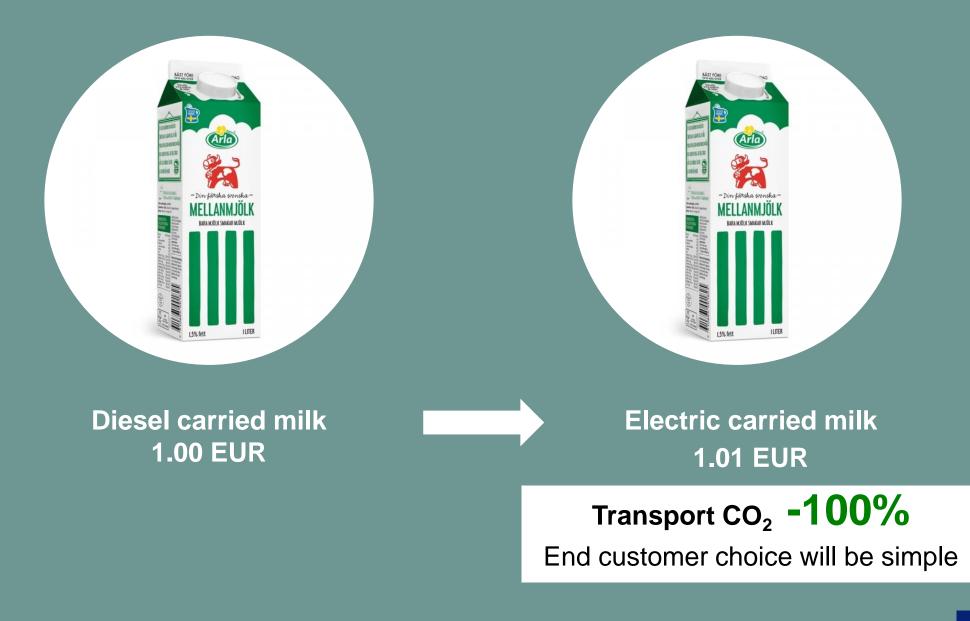
CO₂ from transports is around 30%

Electric solution today ~10-15% higher in TCO (Total cost increases: 6%_{transport cost} x 15%_{TCO} = 1%)

Total cost increase +1% Transport CO2 -100%

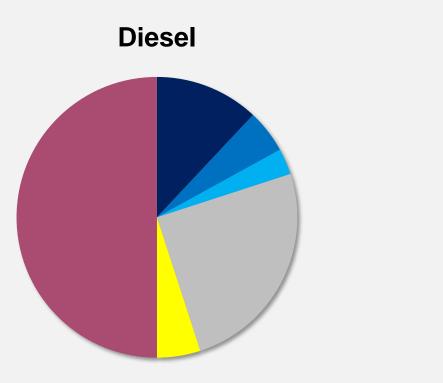
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Shift in mix for transport cost

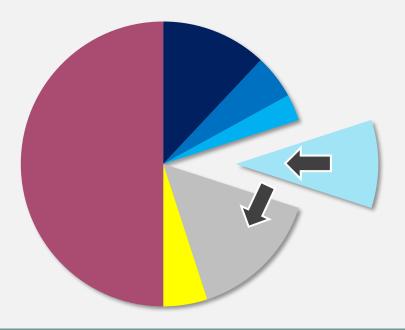
NORDIC FOOD RETAIL – DISTRIBUTION EXAMPLE



Logistics cost Food retailer

Logistics cost Other cost

Battery electric



Vehicle

Fuel or electricity

Driver + admin + others



Transporter profit

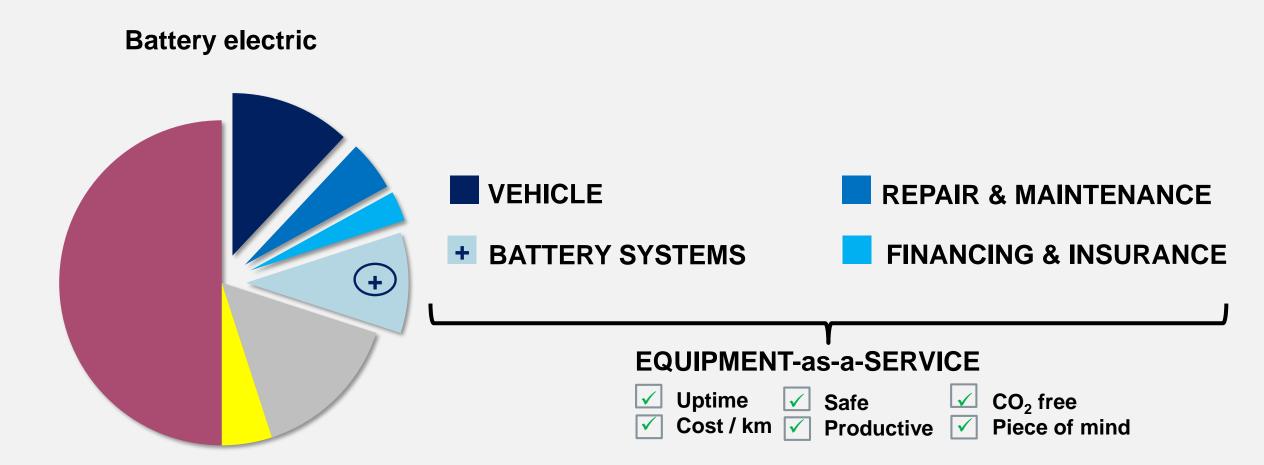
Financing and insurance



Battery

VOLVO VOLVO GROUP

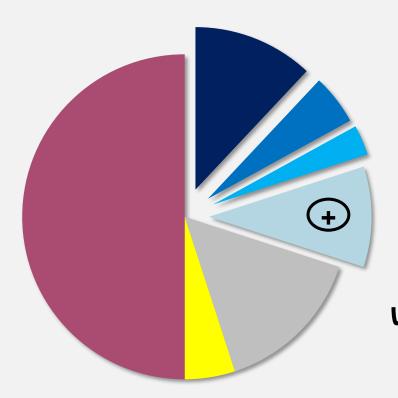
Volvo Group has the assets to create the most competitive solution for <u>the customer</u>



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Volvo Group has the assets to create the most competitive solution for <u>the customer</u>

Battery electric



VEHICLE

- Application excellence
- Tailor-made for productivity and uptime
- Modular product system CAST
- Ramp-up of volumes with scale
- Used equipment and recycling

+ BATTERY SYSTEMS

 Application optimization for range, life-length and weight

 \checkmark

- + Connected solutions
- + Established partnerships
- + Charging solutions
- Second life and recycling

REPAIR & MAINTENANCE

- ✓ Service network density 24/7
- Service and uptime contracts
- Connected solutions
- Trained and experienced staff

FINANCING & INSURANCE

- Volvo Financial Services
 - Existing business models
 - ✓ Infrastructure
 - ✓ Customer knowledge

EQUIPMENT-as-a-SERVICE

|

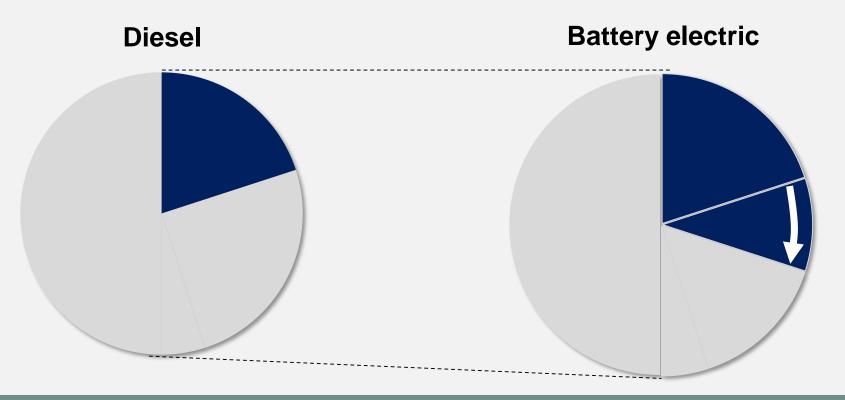
Safe

Uptime
Cost / km

Safe Productive CO₂ free Piece of mind

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Step change in our life-cycle revenues



Life-cycle revenue per unit increases with >50%

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Opportunity of a century!



- Step change in market share
- Higher life cycle revenue per unit >1.5x for electric vehicles
 - > 5x for autonomous solutions
- >35% electric vehicle sales by 2030
- Underlying transport demand

RESILIENCE

- EV gives step change in service contract penetration and <u>duration</u>
- >50% of Group sales from service by 2030



Leading the way to a fossil free society by 2050

A

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Opportunity of a century!

Stronger growth and resilience

VOLVO GROUP

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