

VOLVO

Decarbonisation of transport

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The Volvo Group is one of the world's leading manufacturers of trucks, buses, construction equipment and marine and industrial engines. The Volvo Group also provides complete solutions for financing and service.

The Volvo Group, which employs about 100,000 people, has production facilities in 18 countries and sales of products in more than 190 markets.



Prosperity through transport solutions

- The Volvo Group's vision is to be the most successful transport solution provider
- Sustainability is an important part to drive prosperity
- The use of renewable fuels is an essential part in order to realize sustainable transport solutions



Roads towards sustainable transports

Alternative fuels

Energy efficiency

Commercial vehicles are used in commercial conditions

- A move to non-fossil fuels will come when profitability levels are viable
- Political decisions will be needed
 - Long term vision
 - Short term incentives
- Important principles
 - Energy efficiency and GHG
 - “Work done” principle
 - An international perspective
 - Stable and predictable measures
 - Specification of new fuels



To consider before deployment of new alternative fuels infrastructure - DAFI

- A viable business case for the end customer
 - Important factors to evaluate are:
 - Fuel quality and standardisation
 - Fuel production cost and potential volumes
 - Fuel taxes
 - Additional vehicle cost (tanks, batteries, maintenance etc.)
- Low carbon fuels
 - Focus on fuels that contribute to decarbonisation and enhance the environmental performance
- An expanded fuel infrastructure will not guarantee the use of the fuel



Improvement of conventional fuel

- Conventional diesel fuel, with increasing renewable or synthetic content, will remain the dominant fuel for all types of transport for many years
- A gradual shift to new energy carriers (DME, Methanol, methane, ethanol etc.) is likely as backward compatible fuels are limited in potential and generally more costly and energy consuming to produce



Volvo's position on alternative fuels

Trucks and buses

Long distance applications

- Liquid methane and DME are the main prioritized alternatives. Dynamic electric charging is an additional alternative long term.

Medium distance applications

- Compressed methane and DME are the main prioritized alternatives. Dynamic electric charging is an additional alternative long term.

Urban applications

- Electricity and compressed methane are prioritized

