HYDROGEN AS A PART OF THE CLIMATE Solution for heavy duty trucks





VOLVO TRUCKS GLOBAL ELECTRIC LINE-UP





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VOLVO TRUCKS GLOBAL ELECTRIC LINE-UP

DHL

AGS 93R

BEV 60T, COMMERCIAL TEST IN SWEDEN, JONKOPING - GOTEBORG 150 KM

DHL

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Volvo Trucks. Driving Progress





JOINING FORCES FOR HYDROGEN-POWERED CO₂-NEUTRAL TRANSPORTATION

cellcentric

A Daimler Truck & Volvo Group Company





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100% fossil free Volvo Group vehicles from 2040





Fuel Cell Vehicle, Strengths and Challenges

Strenghts

- Climate neutral (just as BEV)
- Can operate in remote and urban areas
- High utilisation 24/7 Suitable for shift operations
- Refill energy once every day or shift
- Least pay load sensitve ZEV solution for LH (heavier than diesel)

Challenges – To be resolved

- · Space onboard for the amount of needed energy
- Vehicle Cooling
- The very highest GCW
- Hydrogen Infrastructure density
- Hydrogen cost level at the filling station To be comercially viable for trucks
- Hydrogen Purity for lifetime
- Need for new Polices







Volvo Trucks, Driving Progress



THREE TOPICS THAT MUST BE IN PLACE TO BUILD A MARKET





Fuel Cell Electric Vehicle





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Example of a Potential Fuel Cell Electric Vehicle use case





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