

The Road to Zero Emissions

Darren Tasker - Vice President, Industrial Sales

Volvo Group

102,000 employees | 190 markets

10 business areas | 13 brands

Sharing resources

Safer | Cleaner | More efficient



Our brands

Volvo Group's brand portfolio consists of several distinct brands, targeting a variety of customers and segments.

V O L V O

V O L V O
P E N T A

ROKBAK



PREVOST

NOVABUS



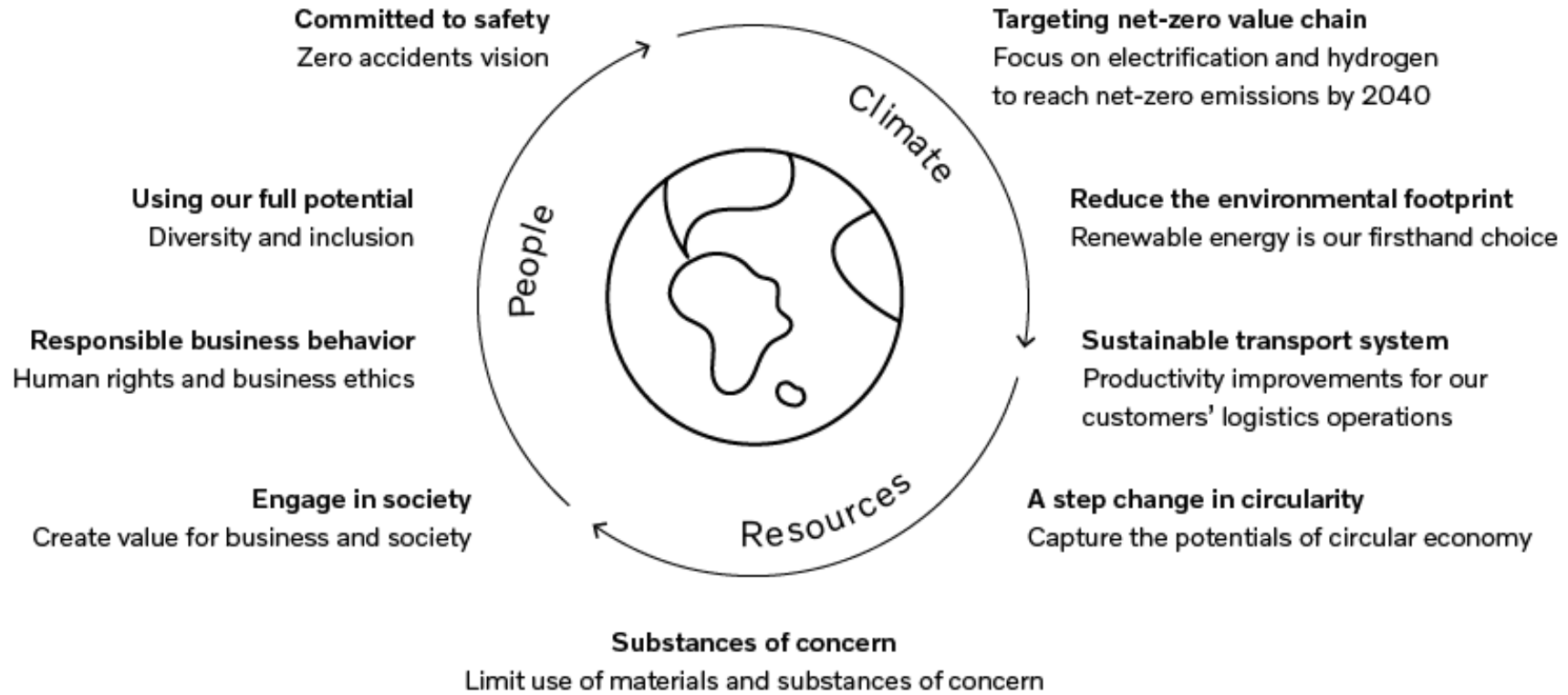
milence 

 EICHER



cellcentric

Our sustainability priorities



We have set ambitious targets **Net Zero Value Chain GHG by 2050**



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Accelerating the sustainable transformation to 100% fossil-free fuel



→ Our ambition is for 100% of our products to be driven by **fossil-free fuels by 2040.**

→ To contribute to an emissions-free future, there will be a **steady shift into electric propulsion**, and combustion engines will run on biofuel.



V O L V O P E N T A

Develops, manufactures and markets world-leading engines and complete drive systems for boats and industrial applications

Premium brand with global presence and sales in more than 130 countries

The Volvo Group sales channel to the external OEM market



Diesel Progress Summit

Segments

Power Generation



Raw Material



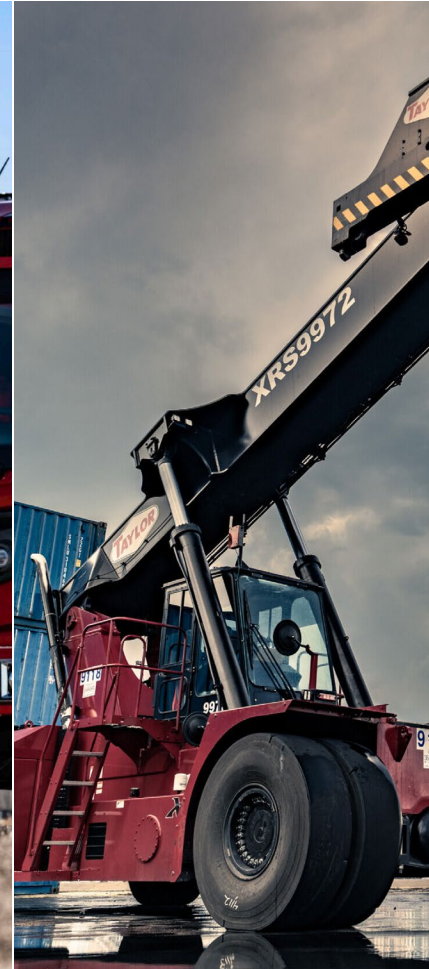
AG/Forestry



Specialty Applications



Material Handling



Construction

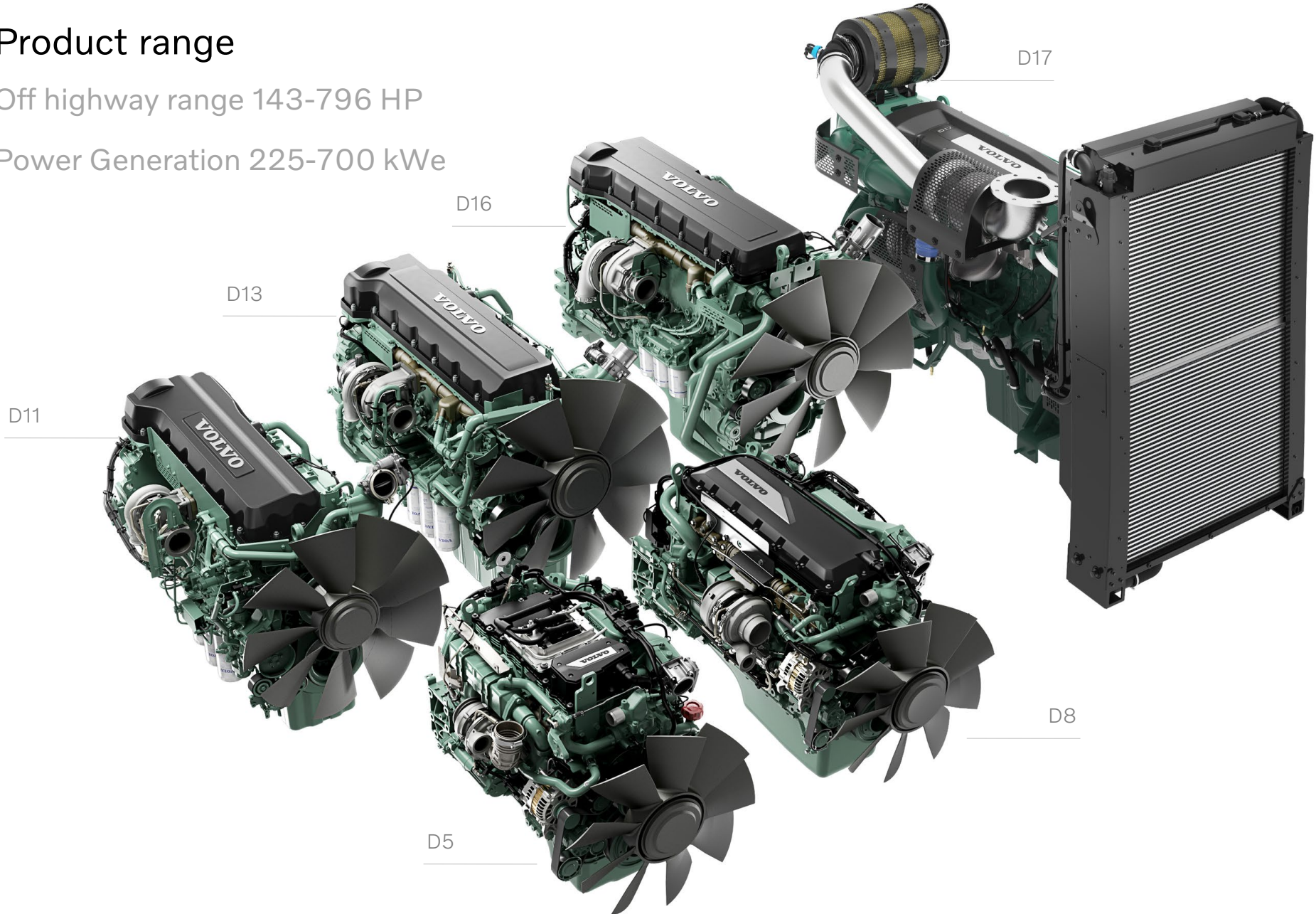


Product range

Off highway range 143-796 HP

Power Generation 225-700 kWe

Diesel Progress Summit



D17 Power Gen Engine

Most powerful genset engine.


Introduced: February 2023



Diesel Progress Summit

D17 Power Gen Engine


Up to
700 kWe 
Electric power


RoHS2Com
pliant


Compact
Installation footprint

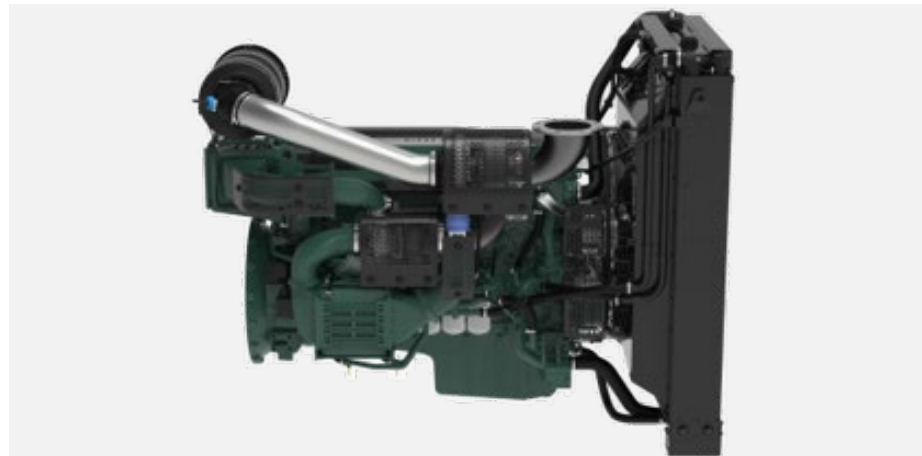
ECM 4

 **Global Product**


Dual Speed

Stage 2


EPA Tier 2



17 LITER
SERIES

Volvo Group
Technology base

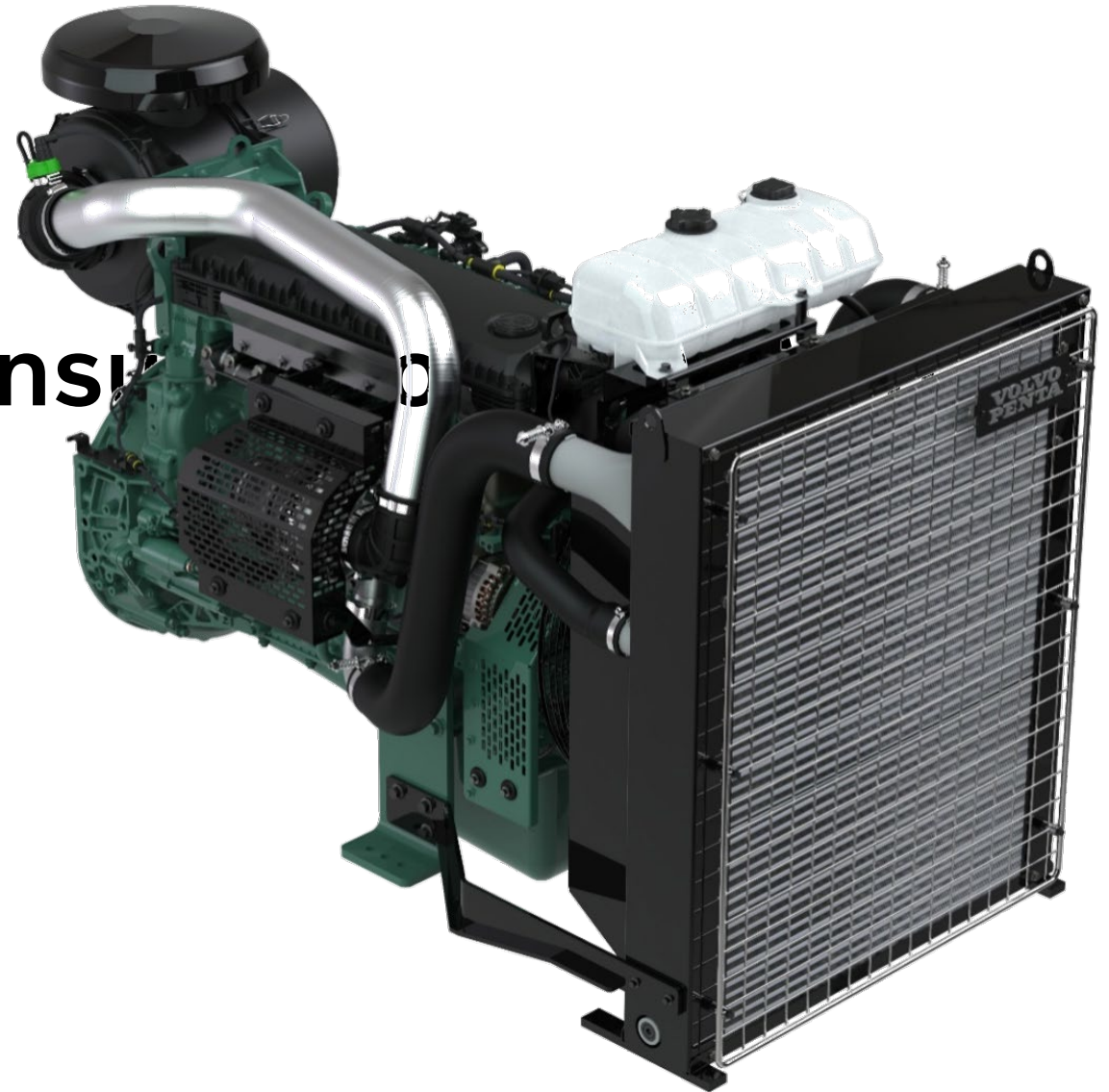
Noise optimized
design

1000 h
oil change interval 

Up to
4%
Reduced Fuel
consumption
G/kWh vs earlier technology


D8 Power Node 8% reduction in fuel consumption


Introduced: February 2023



Diesel Progress Summit

D8 Power Node


Up to
275 kW_e 
Electric power


RoHS2_{Com}
pliant


Compact
Installation footprint

EMS 2.4

 **Global Product**


Dual Speed

Stage 2

Stage 3A

EPA Tier 2


Reg 96



8 LITER SERIES

Volvo Group
Technology base

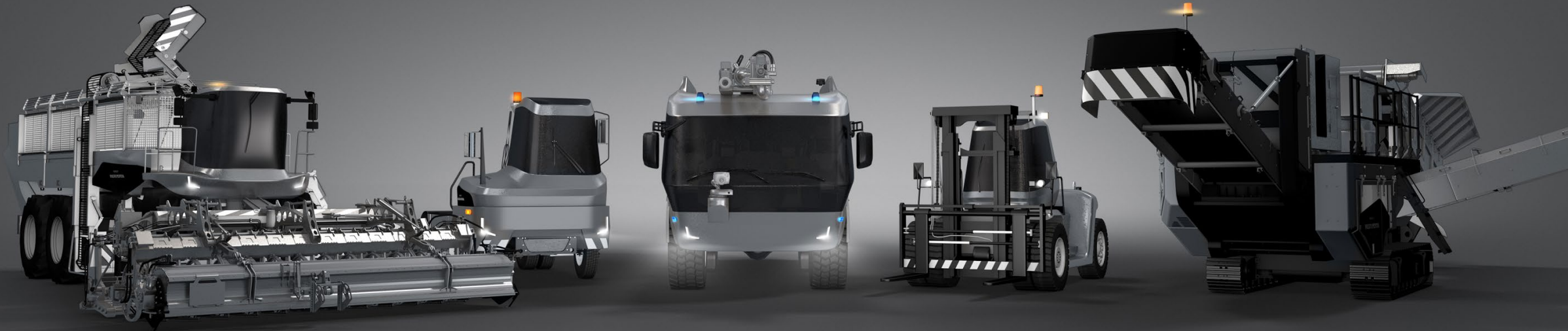
Noise optimized
design

CAN bus 
Communication

Globally Manufactured

Shorter Lead times

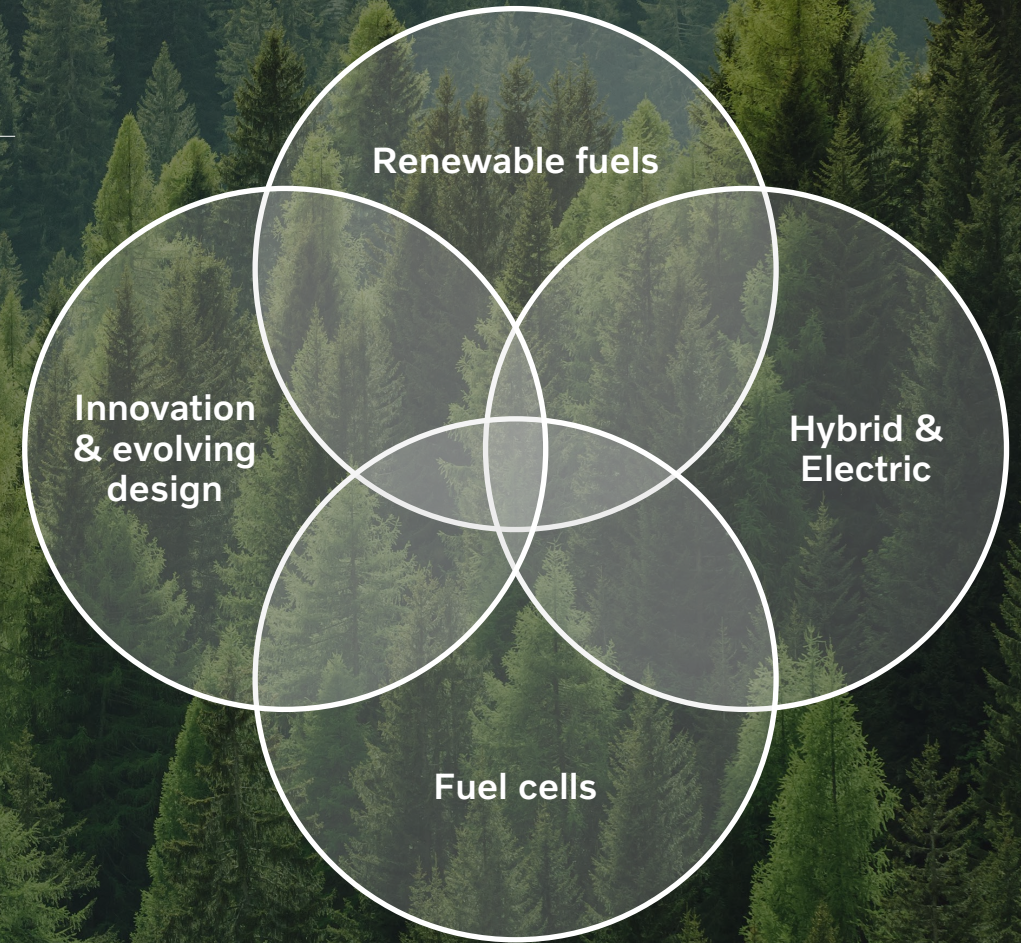
The Way Forward



Diesel Progress Summit

Our path to decarbonize

Reaching zero emissions by 2050
requires a multifaceted approach



VOLVO PENTA

Battery electric

Serial Hybrid

Parallel Hybrid

Diesel

Methanol

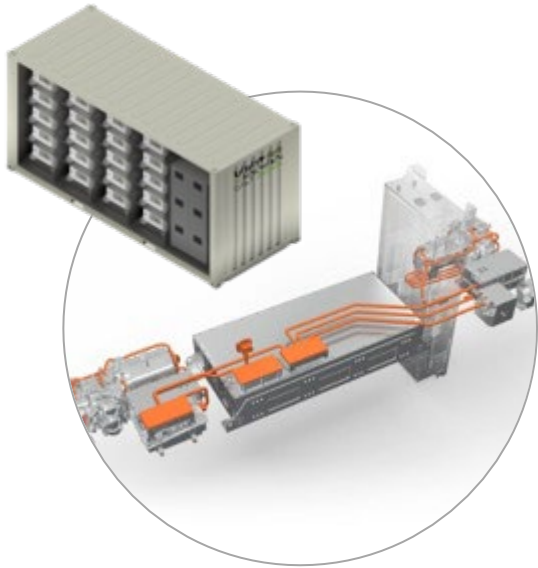
Hydrogen ICE

Fuel cells



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Multifaceted offer



**Battery Electric
& Hybrids**



Non-Fossil Fuels



Fuel Cells

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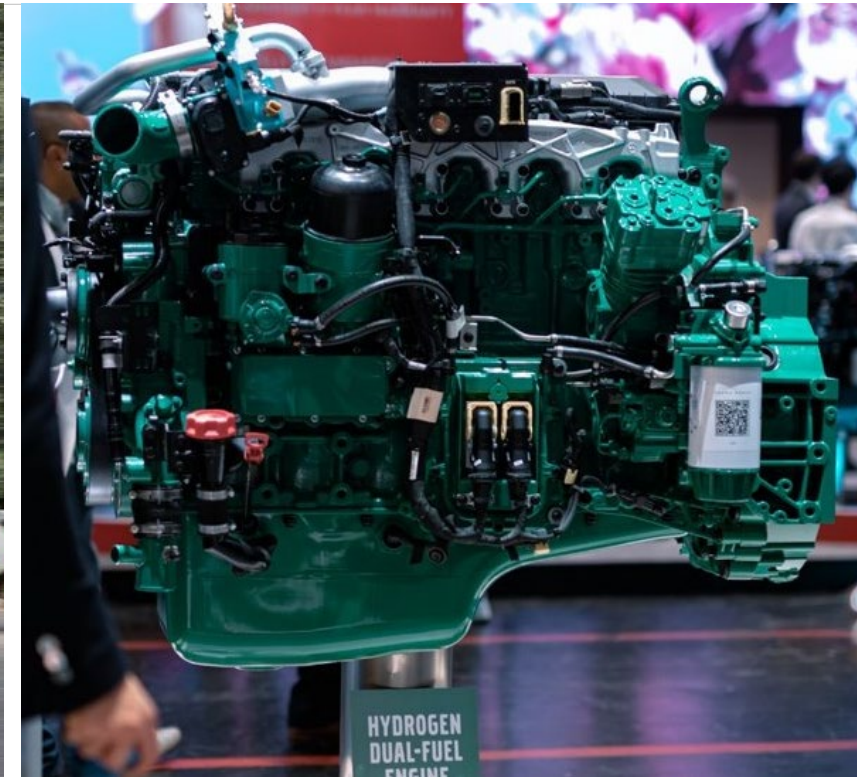
The Journey to Net Zero



Electric terminal tractor in partnership with TICO, US



600 V electric driveline to Rosenbauer's electric city fire truck



Dual fuel (hydrogen/diesel) solution for combustion engine in partnership with CMB.Tech

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The Journey to Net Zero



Modular electric driveline offering

Battery Energy Storage Subsystems

Based on Volvo Group components

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New Technology

Complete solution provider

Based on proven Volvo Group components

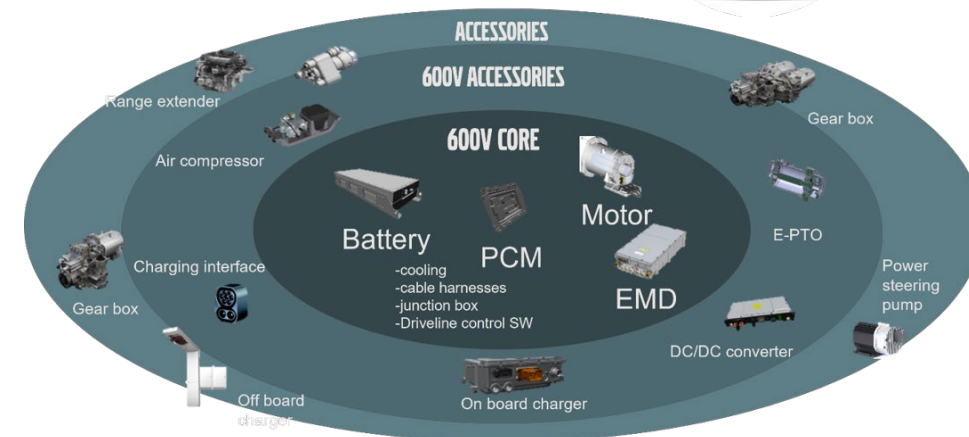
First customers secured

- Terminal Tractor
- Excavator
- BESS

Industry announcements made and further coming

Interest in charging and autonomous solutions

In detailed discussions with several potential customers



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BESS Sub-system

Volvo Penta approach:

Based on proven Volvo Group components

Sub System supplier

Strategic partnership with UIG

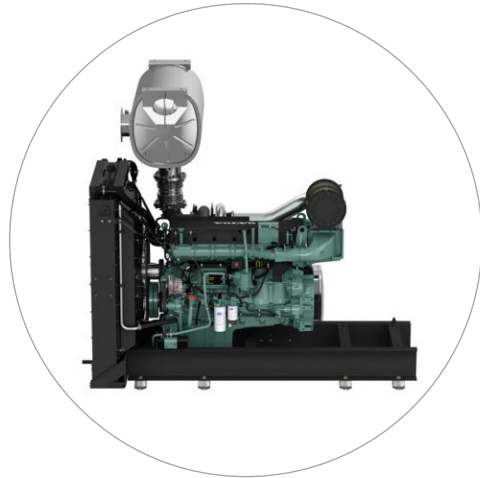


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Hydrogen & Gas fuels



Dual fuel



SI Methane GE



100% Hydrogen



Fuel Cell

Hydrogen availability

Moving Together

A person stands on a grassy mountain peak, looking out over a vast valley. In the center of the valley, a large lake is visible, surrounded by rolling hills and mountains. The sun is low on the horizon, creating a bright sunburst effect and casting a golden glow over the scene. The sky is filled with dramatic, dark clouds. The overall mood is serene and inspiring.

Volvo Penta Way Forward

