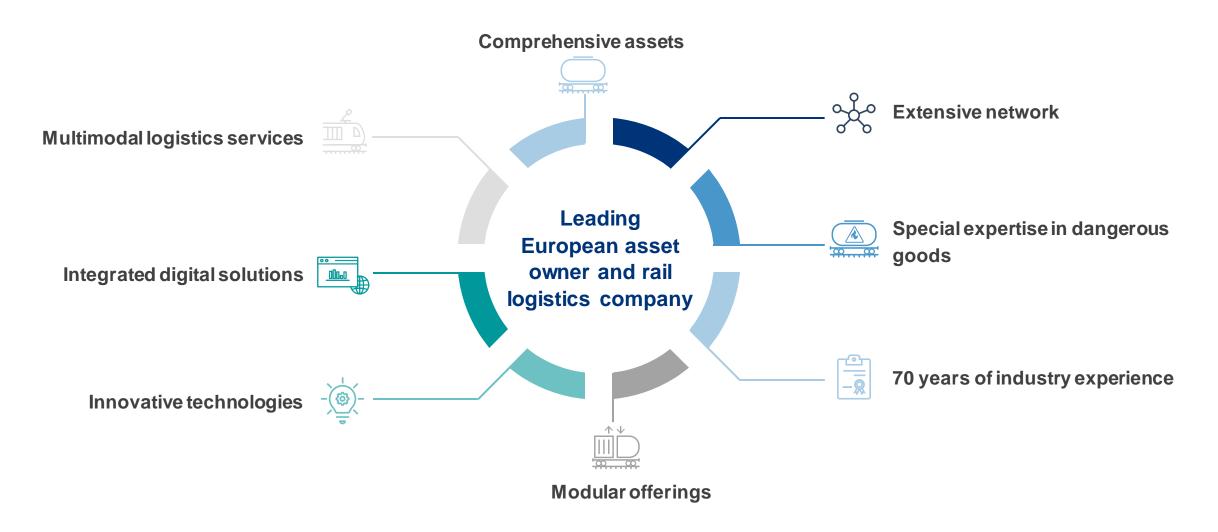
VTG New Energies





VTG at a Glance



VTG in Figures

Key Figures for 2022

84,000 FREIGHT WAGONS

5,000 TANK CONTAINERS

LOCOMO-TIVES

2,100 EMPLOYEES



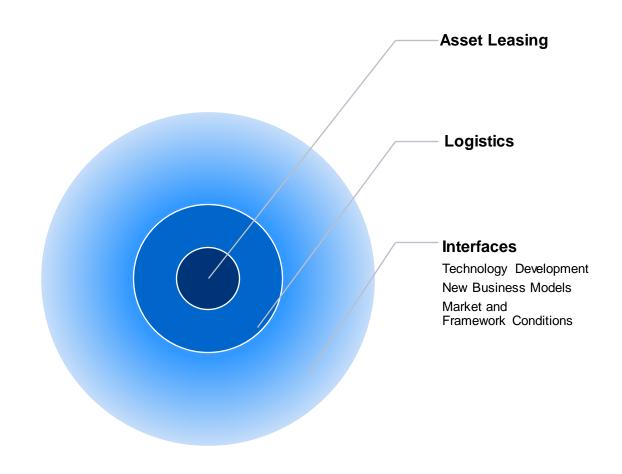






The VTG New Energies strategy aims to provide our customers with the best possible support in the transformation towards sustainable industrial processes.

- **Identify** customer requirements in the new markets.
- Discuss challenges and team up to establish fitting framework conditions.
- Create new networks of cooperation.
- Develop new strategic partnerships with customers and technology providers.
- Implement technological innovation for rail transport.



"New Energies is the term VTG uses to describe all energies not yet transported by rail, as well as products that are already transported by rail but not for the purposes of energy use. This includes liquified natural gas, hydrogen and hydrogen derivatives. Furthermore, the definition includes carbon dioxide captured from industrial processes or energy production and sent for recycling or storage."



Hydrogen

- Compressed hydrogen
- Liquified hydrogen
- Liquid organic hydrogen carriers (LOHC)



Hydrogen Derivatives

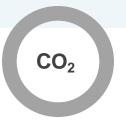
- Ammonia (NH3)
- Methanol (CH4O)
- Power to Liquid (PtL)
- Sustainable aviation fuels (SAF)

• ..



Liquefied Natural Gas

- Fossil liquified natural gas
- Bio liquified natural gas
- Synthetic liquified natural gas



Carbon Dioxide

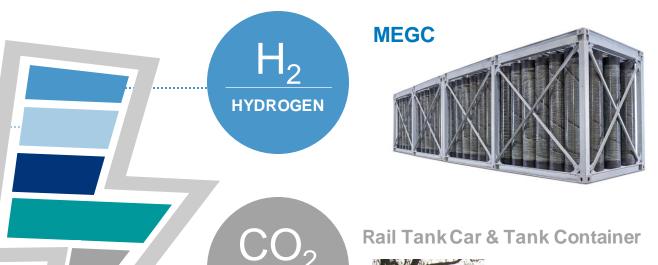
Carbon Dioxide

Transport Solutions & More















♦ VTG



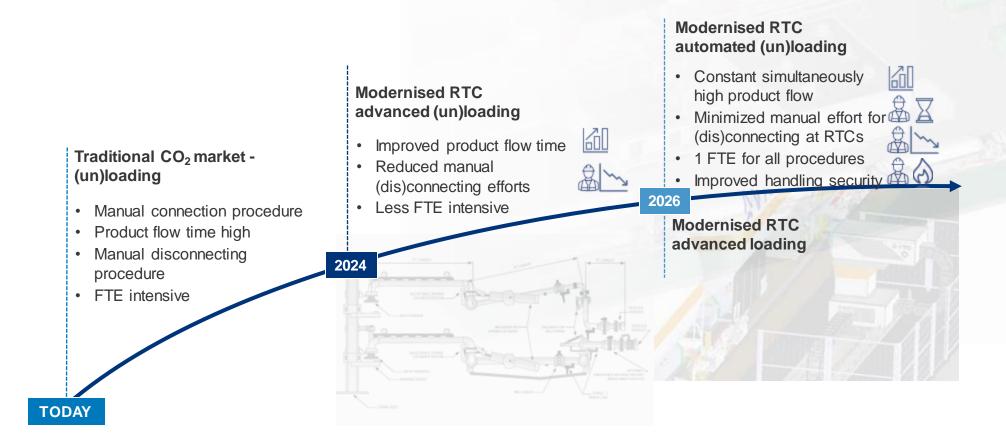
CARBON

DIOXIDE





New Loading Concepts - Driver for higher Efficiency and Safety



Thank you for your attention!