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## The role of gas in a low carbon future

Vice president Hay Fieten, Marketing and trading  
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# Growth in demand for gas in Europe



# Understanding the challenge

Natural Gas currently provides Europe with more than 1500 TWh of flexible energy. A proven resilient, robust system developed over more than 80 years. **What is 1500 TWh?**

## Vehicle

20 000 000 000 X



## Battery park

11 600 000 X



## Hydro

200 X



# Gas is a cost efficient enabler

... to a carbon neutral energy system



Gas displacing more carbon intense fuels in transport, heating and power

Gas combination with renewables (gas and electricity)

Hydrogen and renewable electricity smartly integrated

# From natural gas to hydrogen



Power Generation



Heat



Transport



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