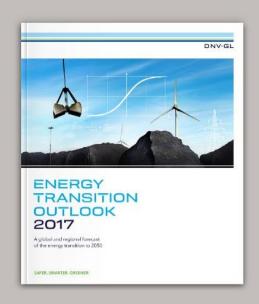
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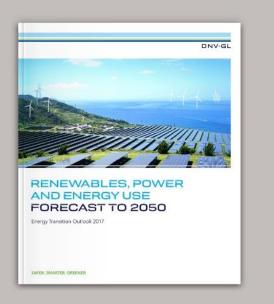
What is Energy Transition Outlook 2017?

- An independent forecast of how the world's energy mix will evolve towards 2050
- Based on our own energy model, forecasting regional energy demand, supply and transport
- Analyses published in a new suite of Energy Transition Outlook reports:

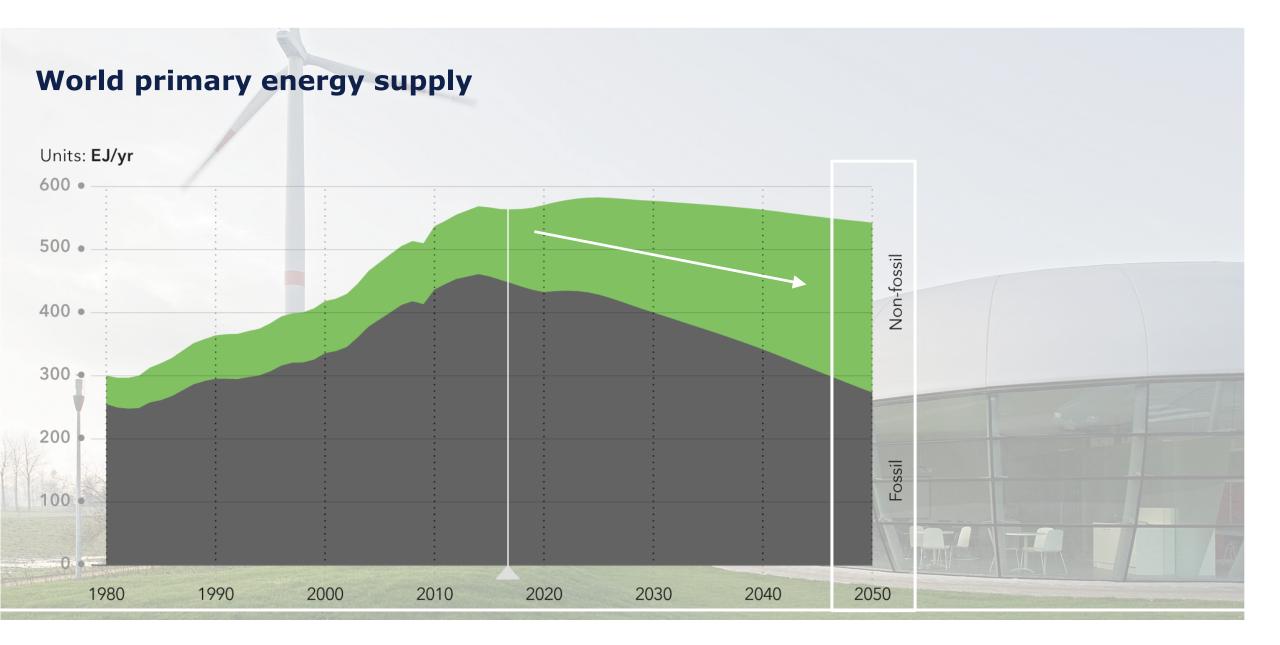


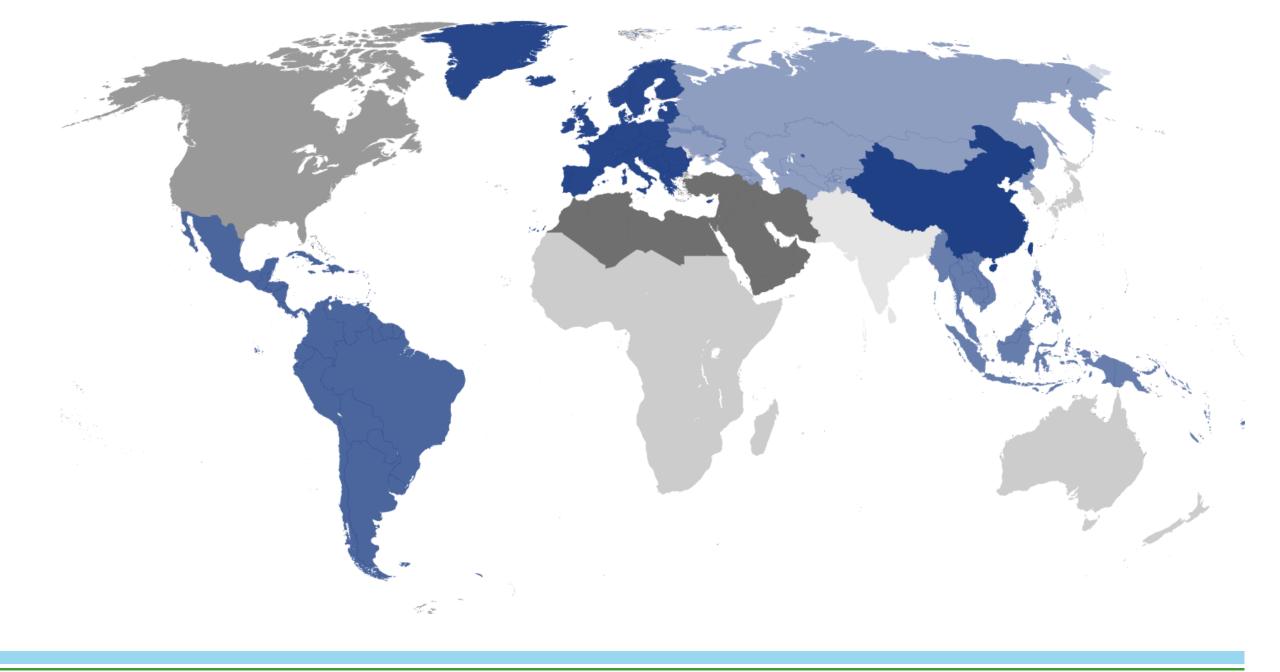


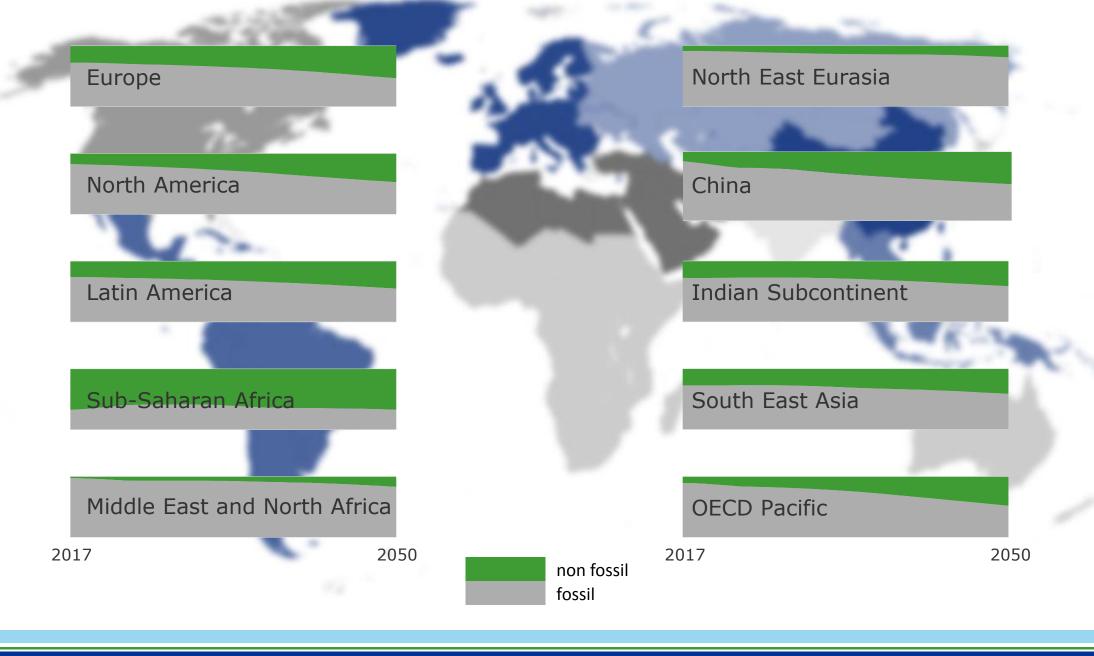




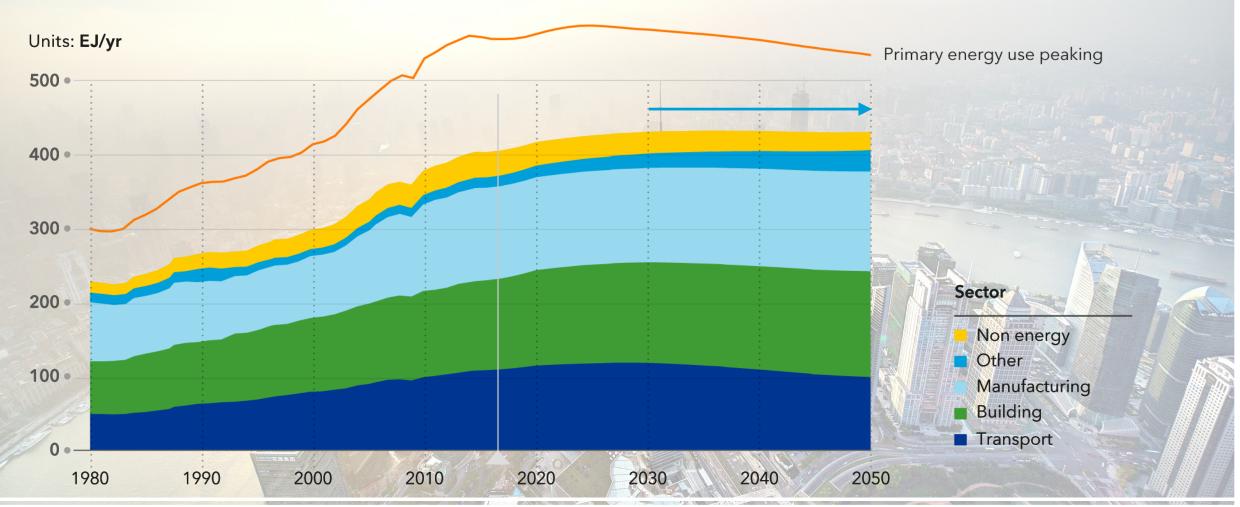
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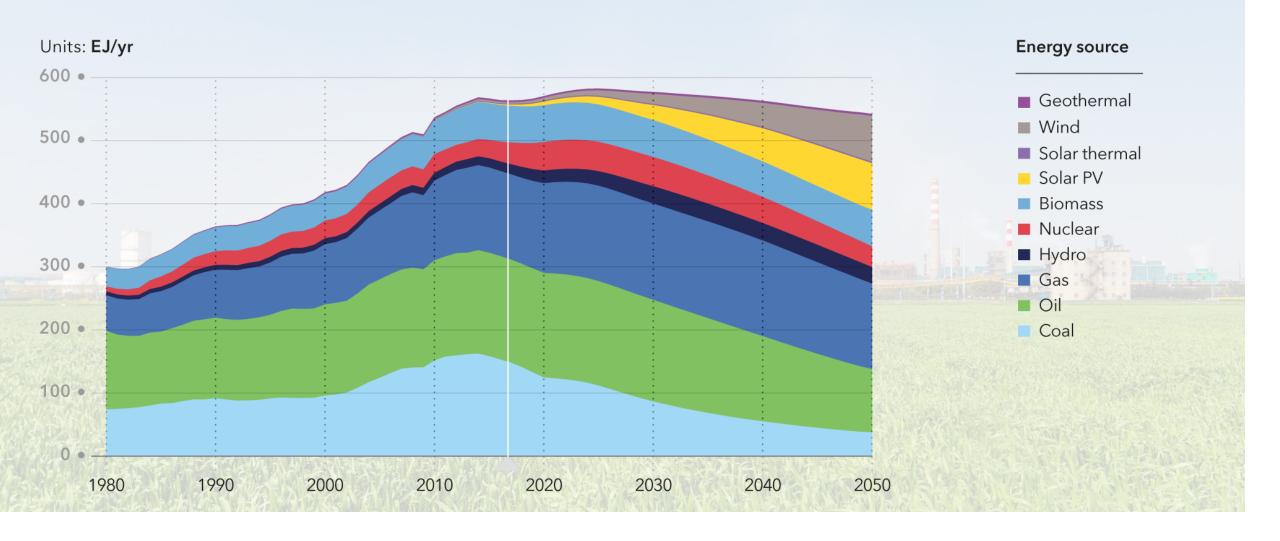




World final energy demand by sector



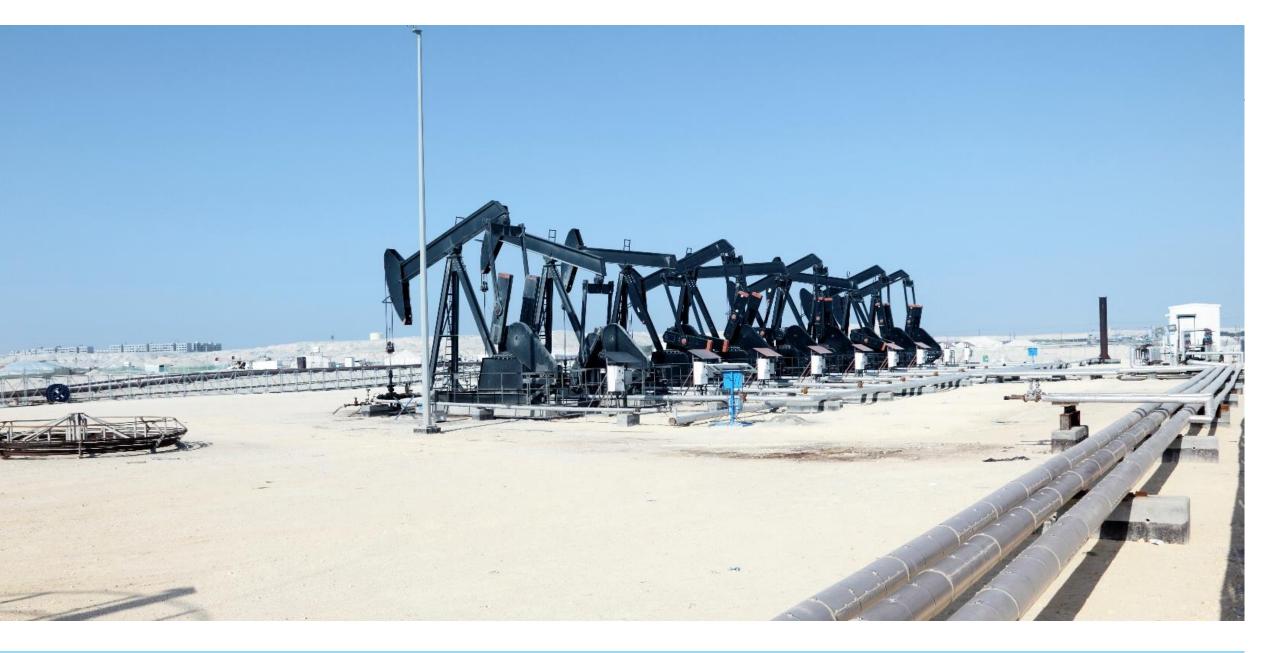
World primary energy supply by source



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UPSTREAM

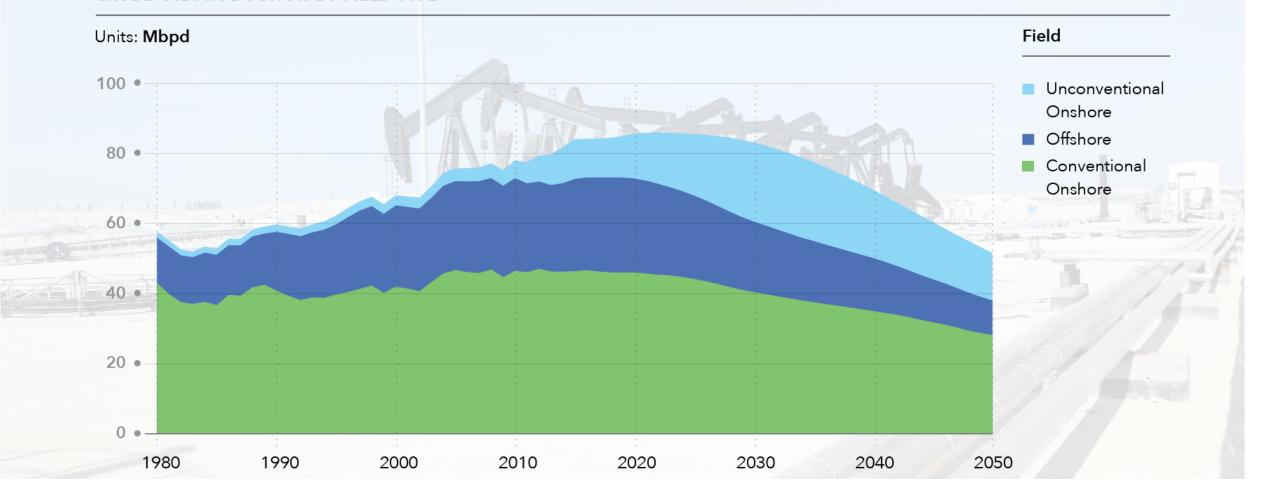
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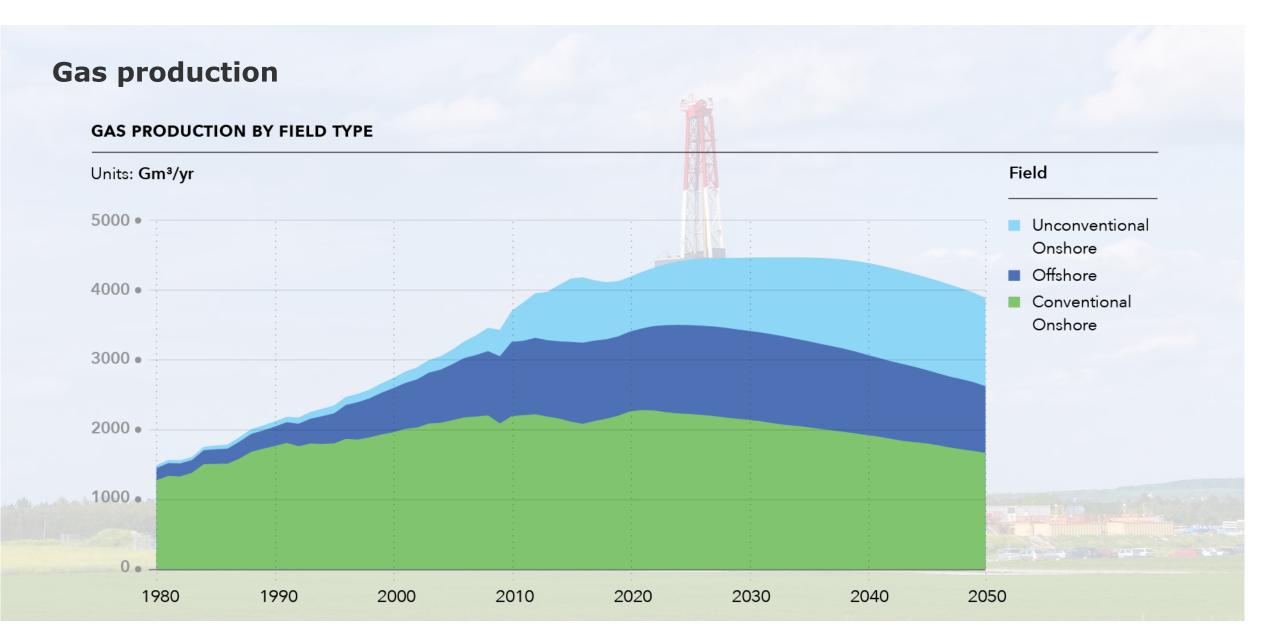


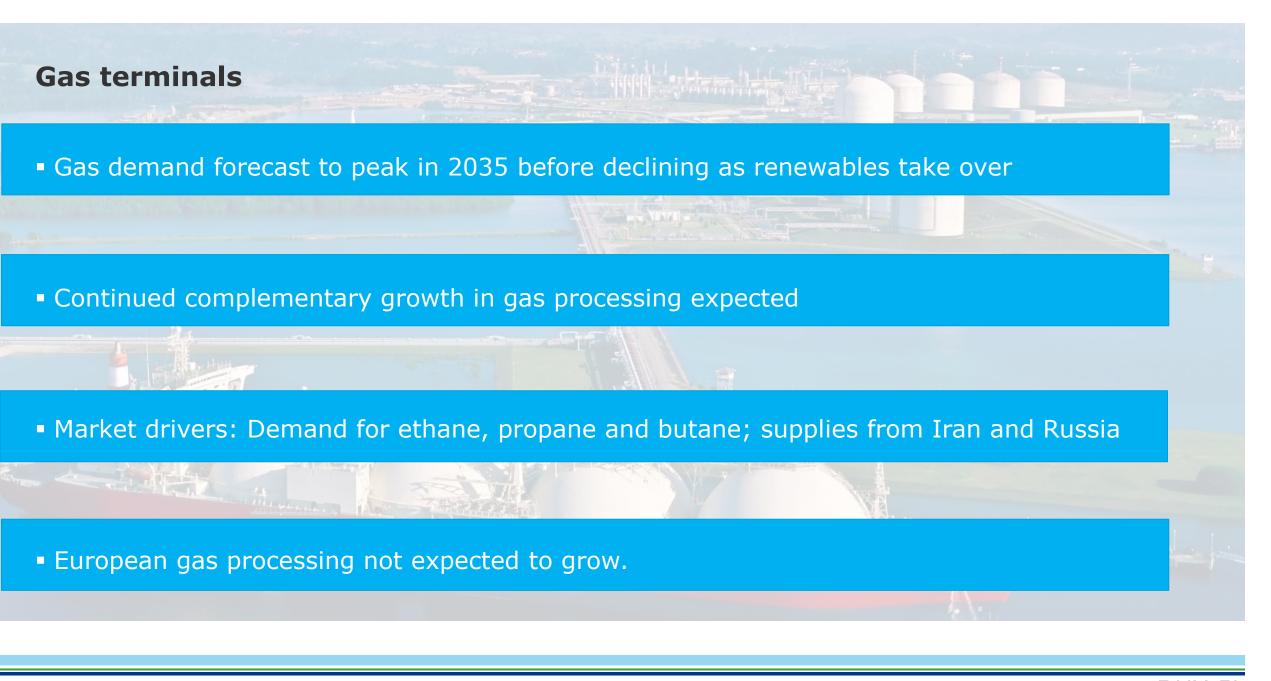
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Oil production

CRUDE OIL PRODUCTION BY FIELD TYPE







Summary



from CARBON,
POPULATION and
ECONOMIC
GROWTH



Oil and gas account for **44%** of world energy supply by **2050**



TWOFOLD increase in global ENERGY EFFICIENCY



PLATEAU after 2030



GAS becomes the LARGEST single energy source with peak demand by 2035



Demand for oil

REMAINS FLAT and

PEAKS in 2022



INVESTMENT is needed to add new capacity and operate existing assets safely and sustainably



The oil and gas sector must take new approaches to COST CONTROL to stay relevant

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Thank you,

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SAFER, SMARTER, GREENER