

The Future of Gas in Europe

Global macroeconomic and energy market outlook

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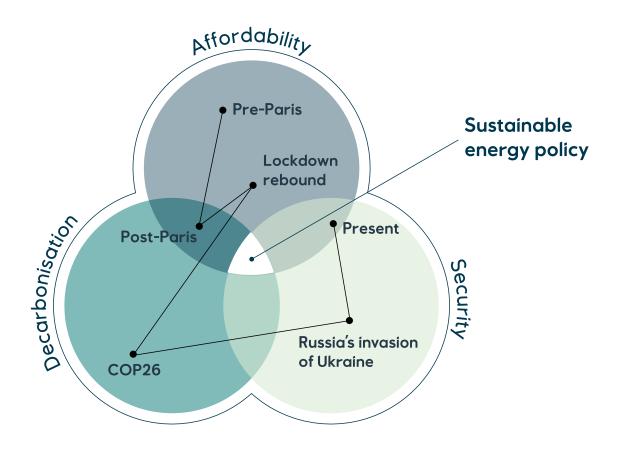
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We see a vivid illustration of the energy trilemma

Sustainability requires a balanced approach



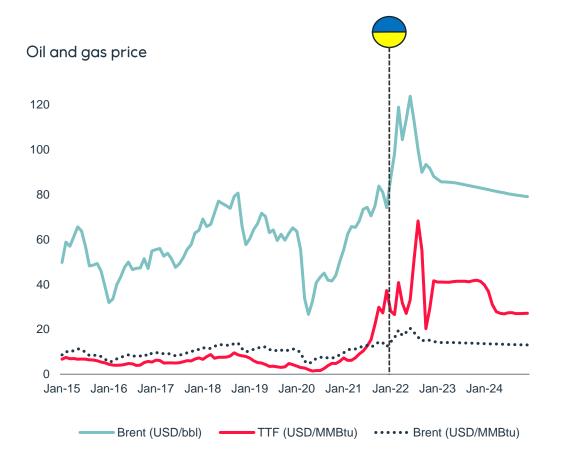


Source: Equinor Source: United Nations

2 | Open

We are in a world of extremes

Conflicts and unrest, lack of trust, market imbalances, disastrous weather events



Source: Platts, Heren (history), ICE (projection)



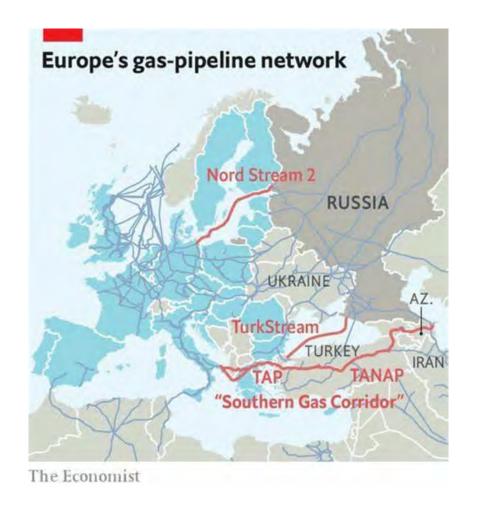








Russian gas supply to Europe: 2021: c.130-140bcm. 2022. c.55-65bcm est.



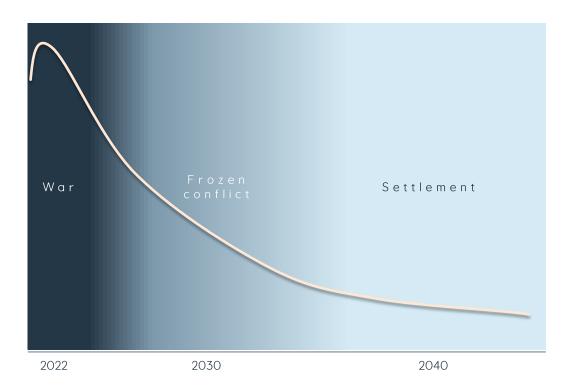
4 | Energy Perspectives 2022 Open



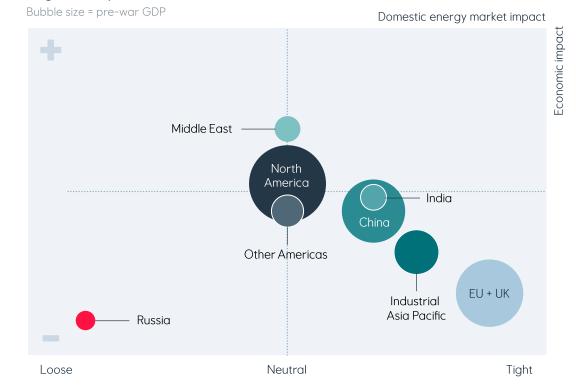
Our take on the global development over the next years

The Russian invasion will have long-lasting impact on the global energy system and economic growth

Negative economic and energy market impact



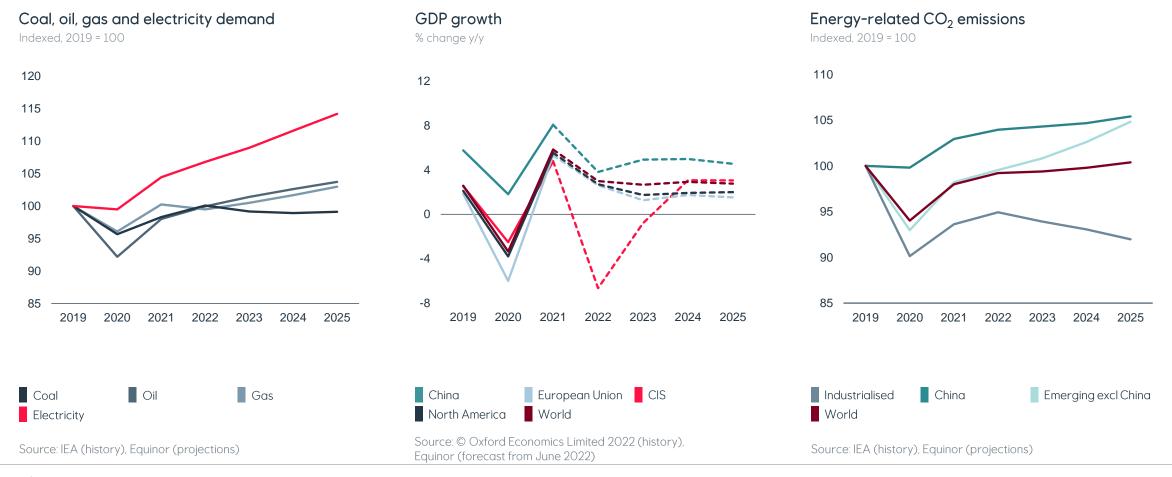
Regional impact towards 2030





Our short-term outlook to 2025

Out of Covid, handling the energy crisis and supply bottlenecks, food inflation and re-globalisation





The net zero target is dominant

Countries with net zero targets set in law, policy documents or pledges



More than 70 countries committed to net zero

Representing more than 75% of global emissions









Walls

- Builds on historical and current market trends and policy signals
- Economic growth is a key driver
- Russia's invasion of Ukraine and geopolitical tensions have given rise to reappearance of obstacles
- Energy security increasingly important in the short-to-medium term



Bridges connect and enable



Bridges

- A normative back-cast scenario
- Consistent with a temperature rise of 1.5°C
- Immediate and coordinated international action needed
- Illustrates what it takes to get there





A change of pace and a revolution in transforming the energy system

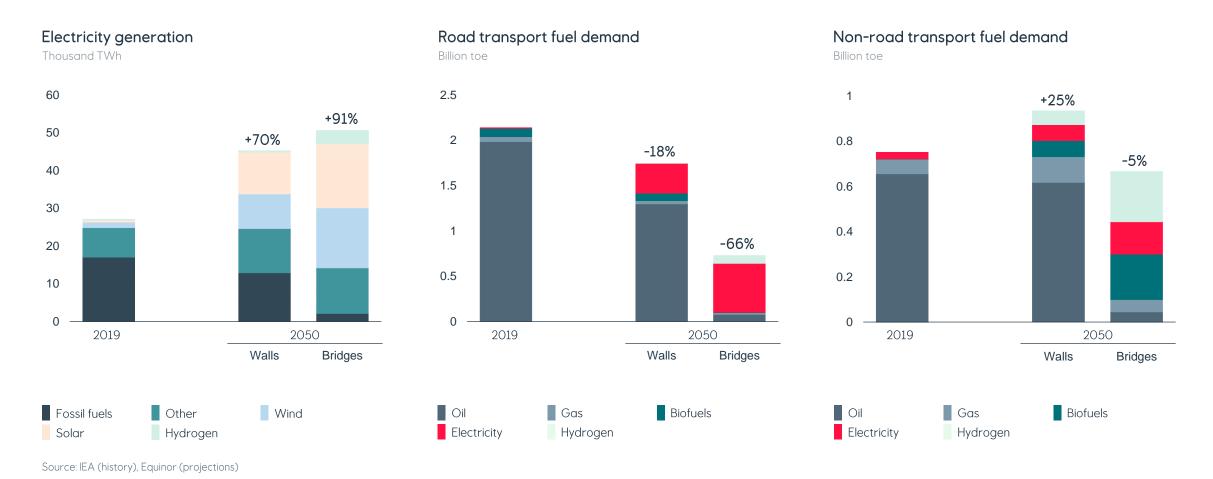


	History 1990 - 2019	Walls 2019 - 2050	Bridges 2019 - 2050
Total primary energy demand CAGR %	1.8%	O.1%	-1.0%
Energy intensity CAGR%	-1.2%	-2.0%	-3.1%
Fossil fuel demand (Change in period - Gtoe)	4.5	-2.3	-9.2
Solar and wind in power generation (Change in period - Thousand TWh)	2	18	31



Massive changes in different parts of the energy system

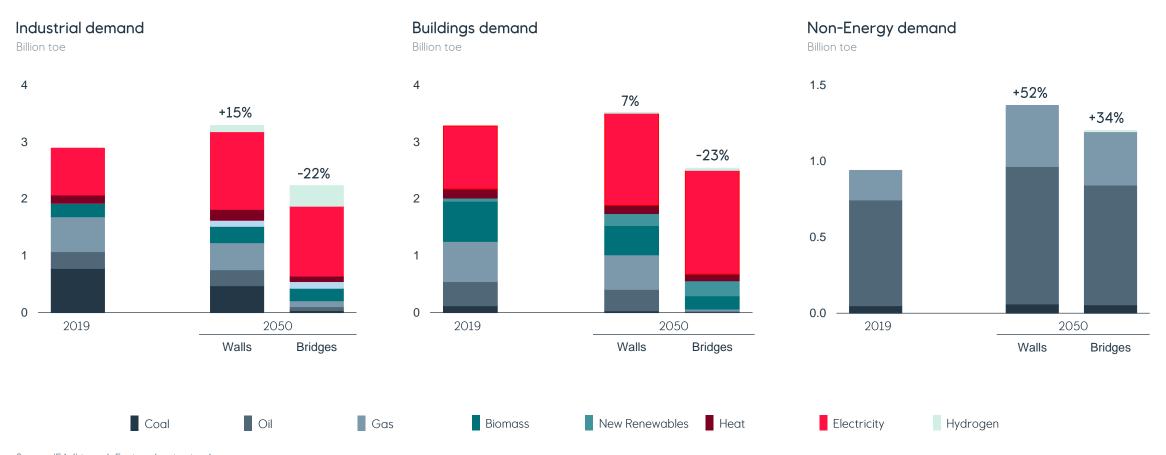
Electrification is the key element of the energy transition, and a major factor in efficiency improvements





Electrification and efficiency improvements are keys in other sectors

Fossil fuels still needed as feedstock



Source: IEA (history), Equinor (projections)



"We build too many walls and not enough bridges."

- Attributed to Sir Isaac Newton





Thank you