

WAKE UP CALLS

DEN GRØNNE SUPERMAGT

Plastindustrien

20. november 2025

Christina Boutrup

FROM CHINA

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E-commerce boom

- 200 millioner måltider/dag
- 175 milliarder pakker leveret i 2024

NB: Online handel udleder næsten 5 gange mere end fysisk handel



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Kinas klimamål

2030: CO2 peak

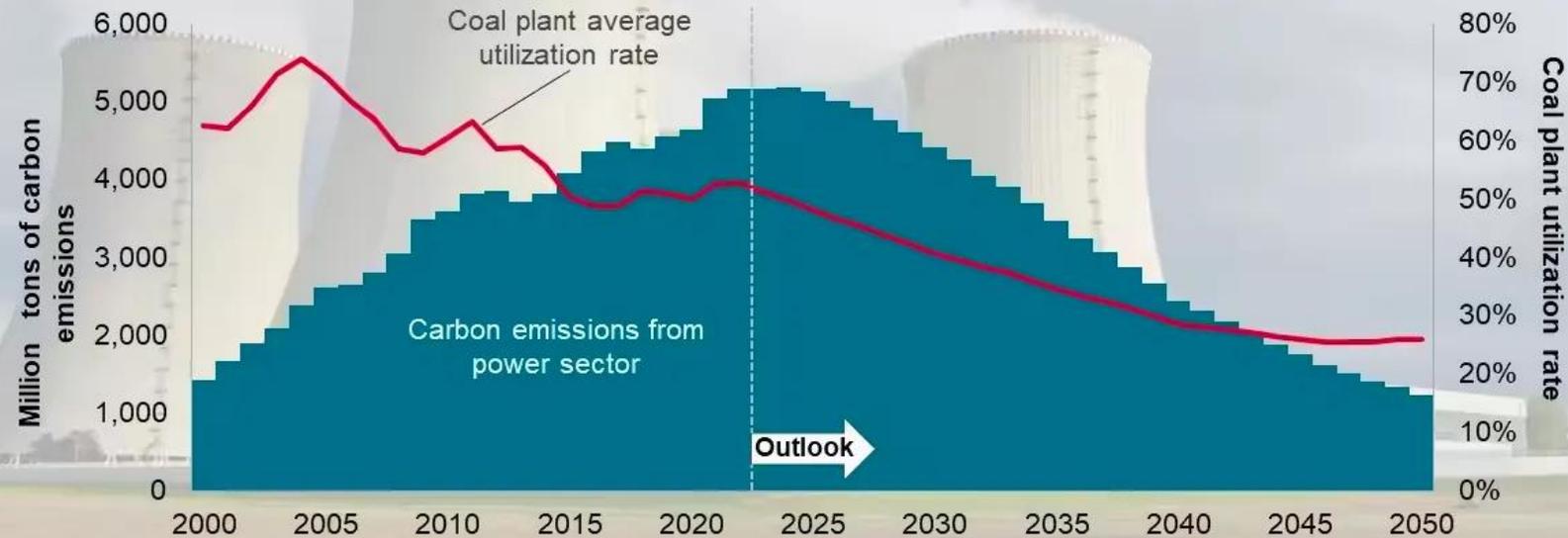
2060: CO2 neutral

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Coal-fired power in China: Running fewer hours to help meet reliability requirements

China's coal-fired power utilization rate and total power sector emissions



Data compiled March 14, 2023. Part of the Asia Pacific Regional Integrated Energy Research service by S&P Global Commodity Insights.

Source: S&P Global Commodity Insights.

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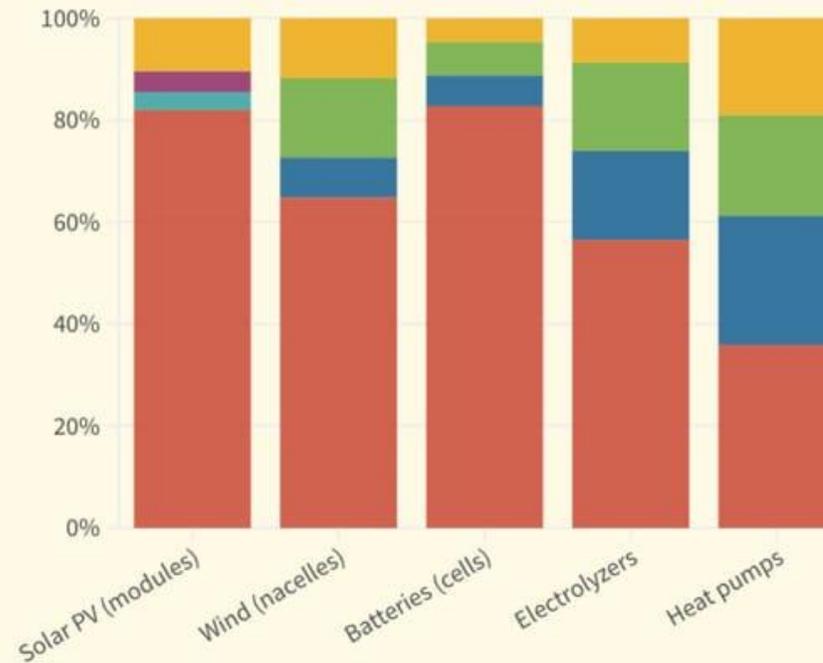
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China has a huge lead in clean tech manufacturing

- + Technology
- + Critical minerals

China United States European Union India Vietnam Rest of world



CANARY MEDIA | CHART OF THE WEEK

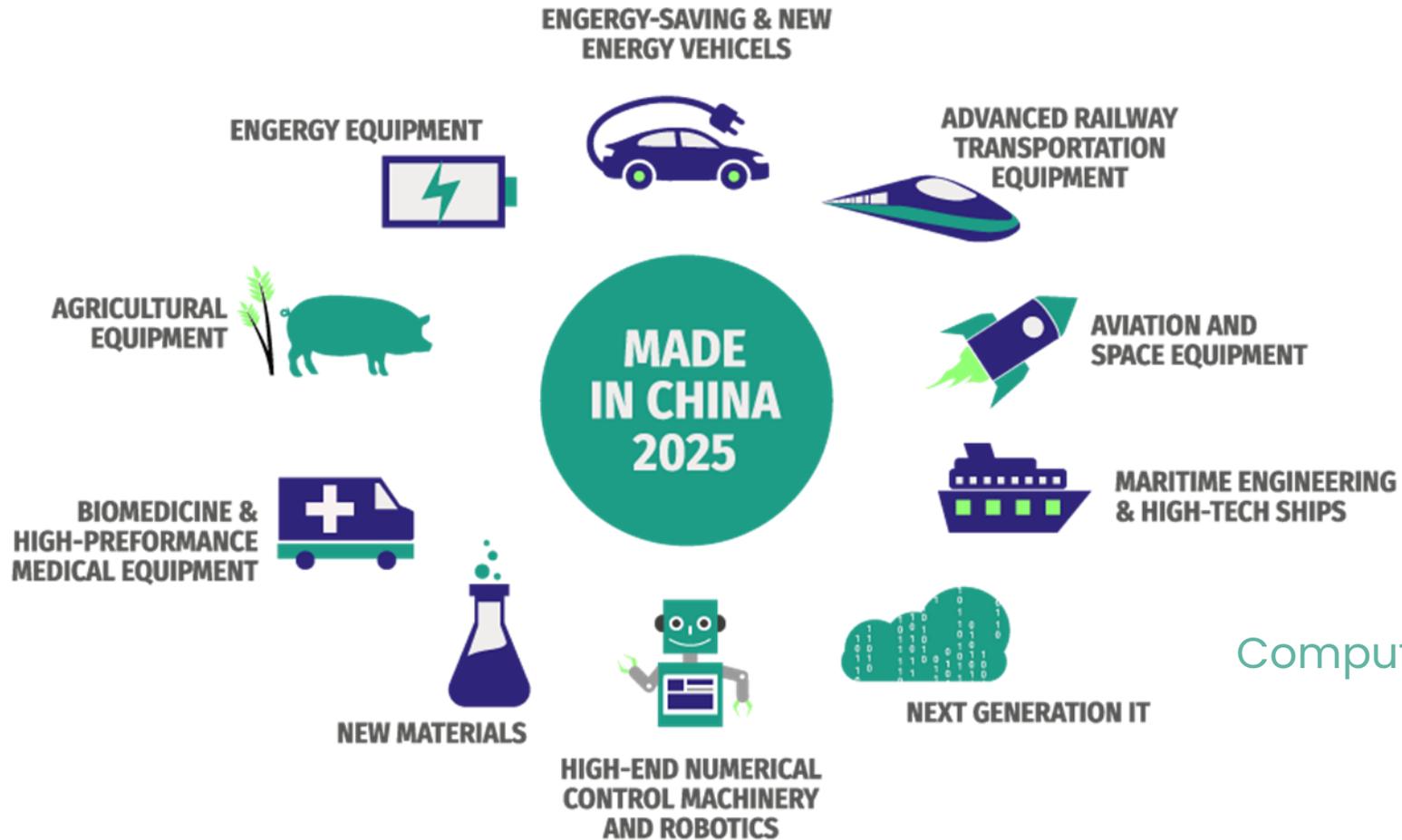
2024

Sjældne jordarter

- Kina har 1/3 af ressourcerne
- Kina står for 2/3 af forarbejdningen
- EU køber 98 pct. fra Kina

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MADE IN CHINA 2025



Computer chips?

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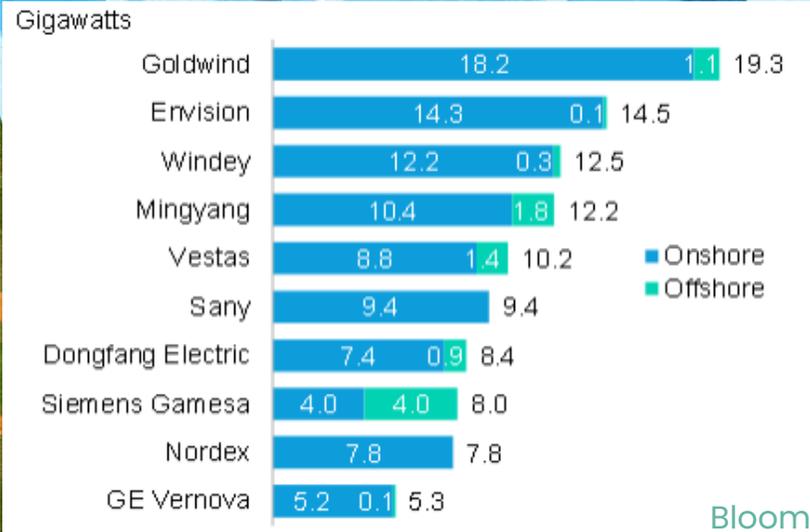
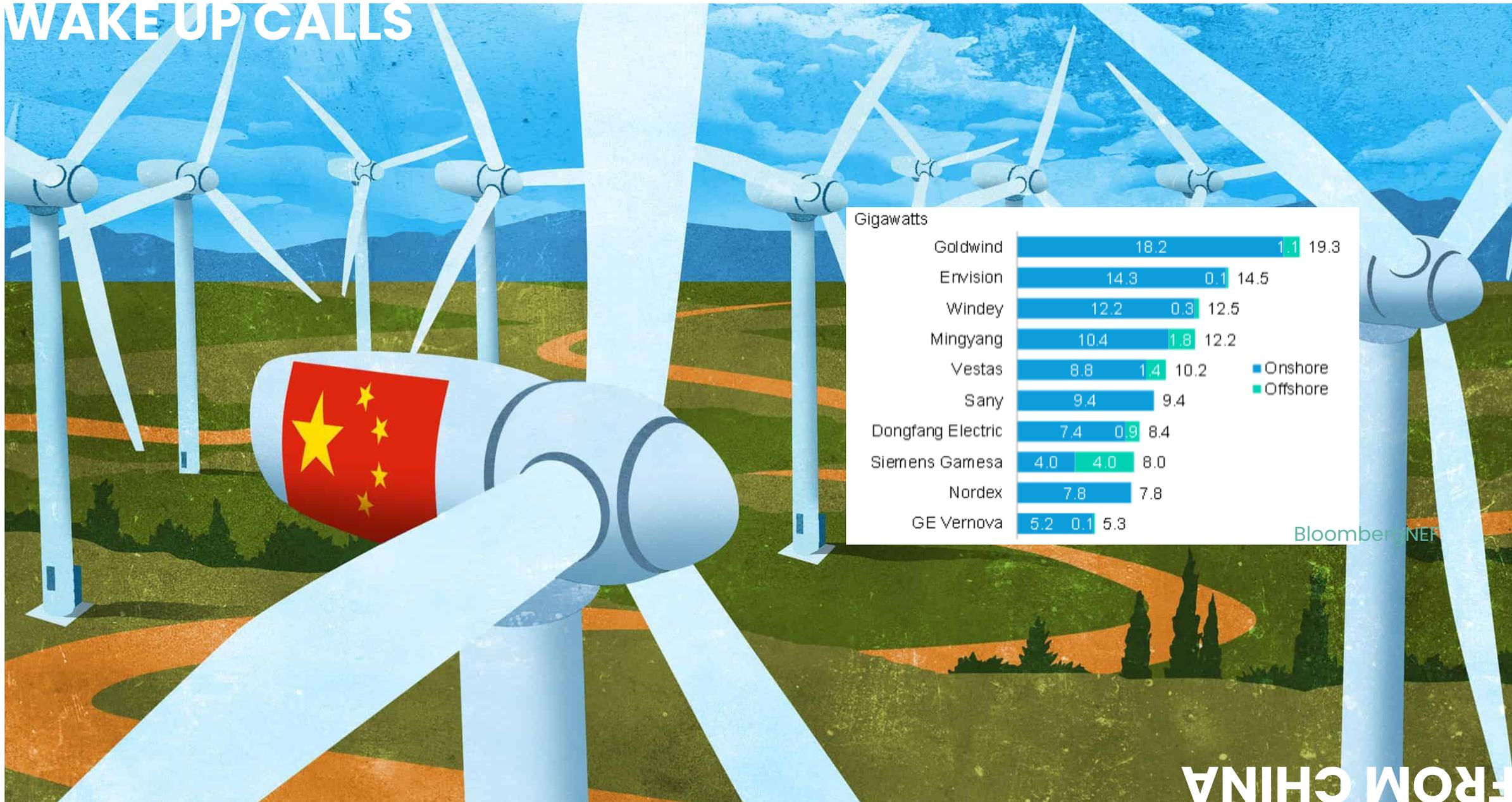
Critical Technology Tracker



Artificial intelligence, computing and communications	
13. Advanced radiofrequency communications (incl. 5G and 6G)	China
14. Advanced optical communications	China
15. Artificial intelligence (AI) algorithms and hardware accelerators	China
16. Distributed ledgers	China
17. Advanced data analytics	China
18. Machine learning (incl. neural networks and deep learning)	China
19. Protective cybersecurity technologies	China
20. High performance computing	USA
21. Advanced integrated circuit design and fabrication	USA
22. Natural language processing (incl. speech and text recognition and analysis)	USA
Energy and environment	
23. Hydrogen and ammonia for power	China
24. Supercapacitors	China
25. Electric batteries	China
26. Photovoltaics	China
27. Nuclear waste management and recycling	China
28. Directed energy technologies	China
29. Biofuels	China
30. Nuclear energy	China
Quantum	
31. Quantum computing	USA
32. Post-quantum cryptography	China
33. Quantum communications (incl. quantum key distribution)	China
34. Quantum sensors	China

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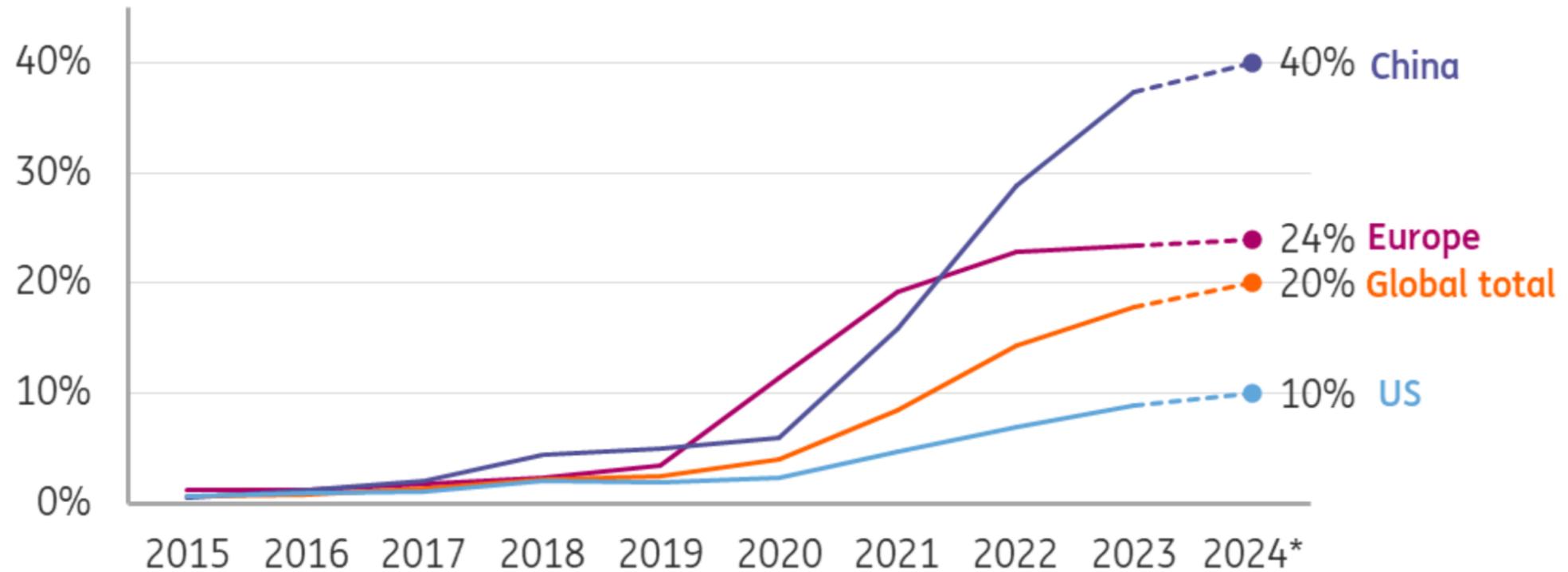
BloombergNEF

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China way ahead in electrification, while Europe and the US face stagnation in 2024

Share of electric vehicles (BEV + PHEV**) in total new car registrations per region



Source: BNEF, ING Research *forecast. **PHEV make up around 30% of global EV-sales

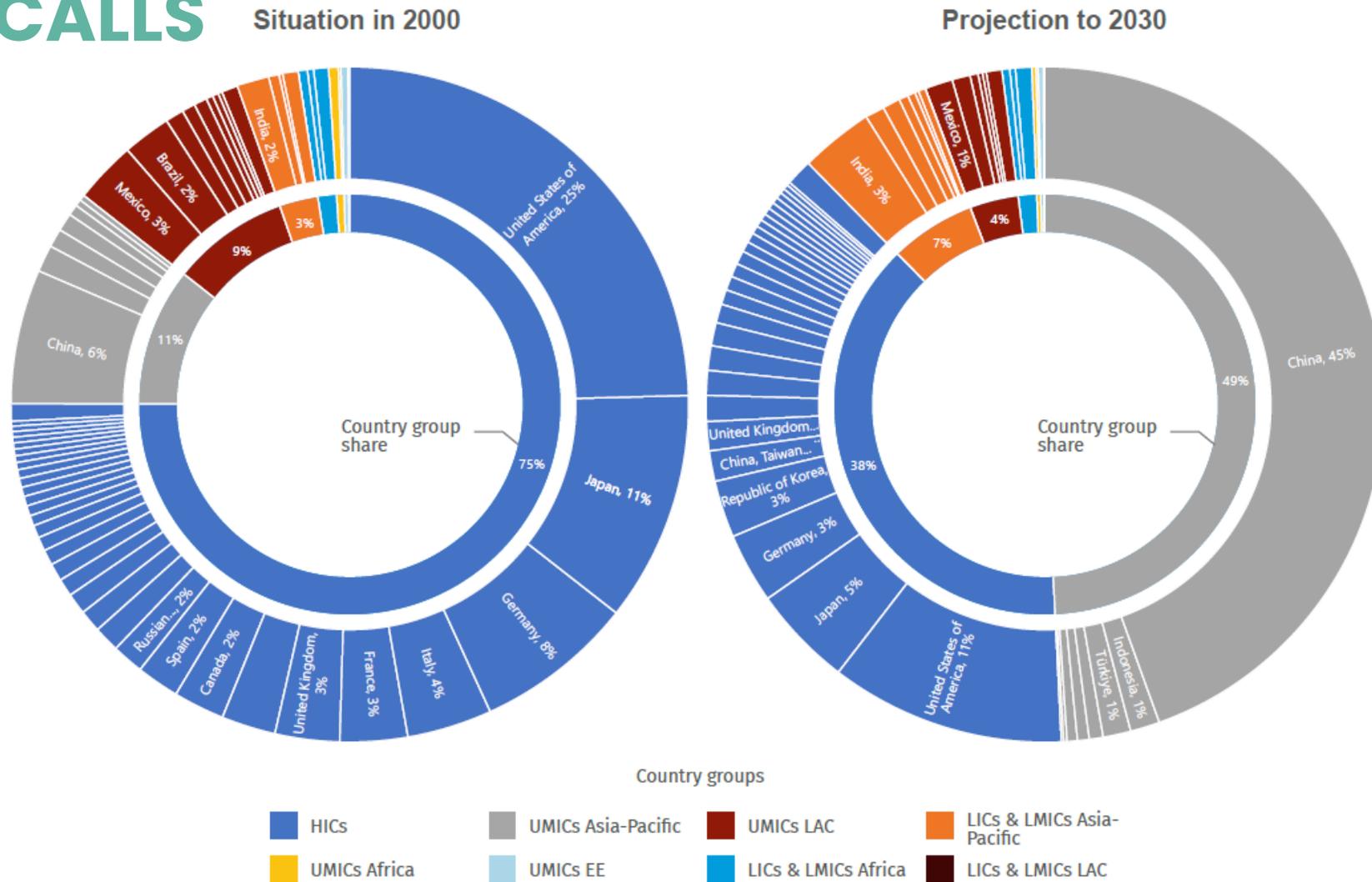
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Source: UNIDO elaboration based on [UNIDO National Accounts Database](#).

Note: Projections to 2030 are made based on historical average annual growth rates (between 2010 and 2019) and applied to the latest available observations (2024) up to 2030. LICs = Low-income countries; LMICs = Lower middle-income countries; UMICs = Upper middle-income countries; HICs = High-income countries; EE = Eastern Europe; LAC = Latin America and the Caribbean.

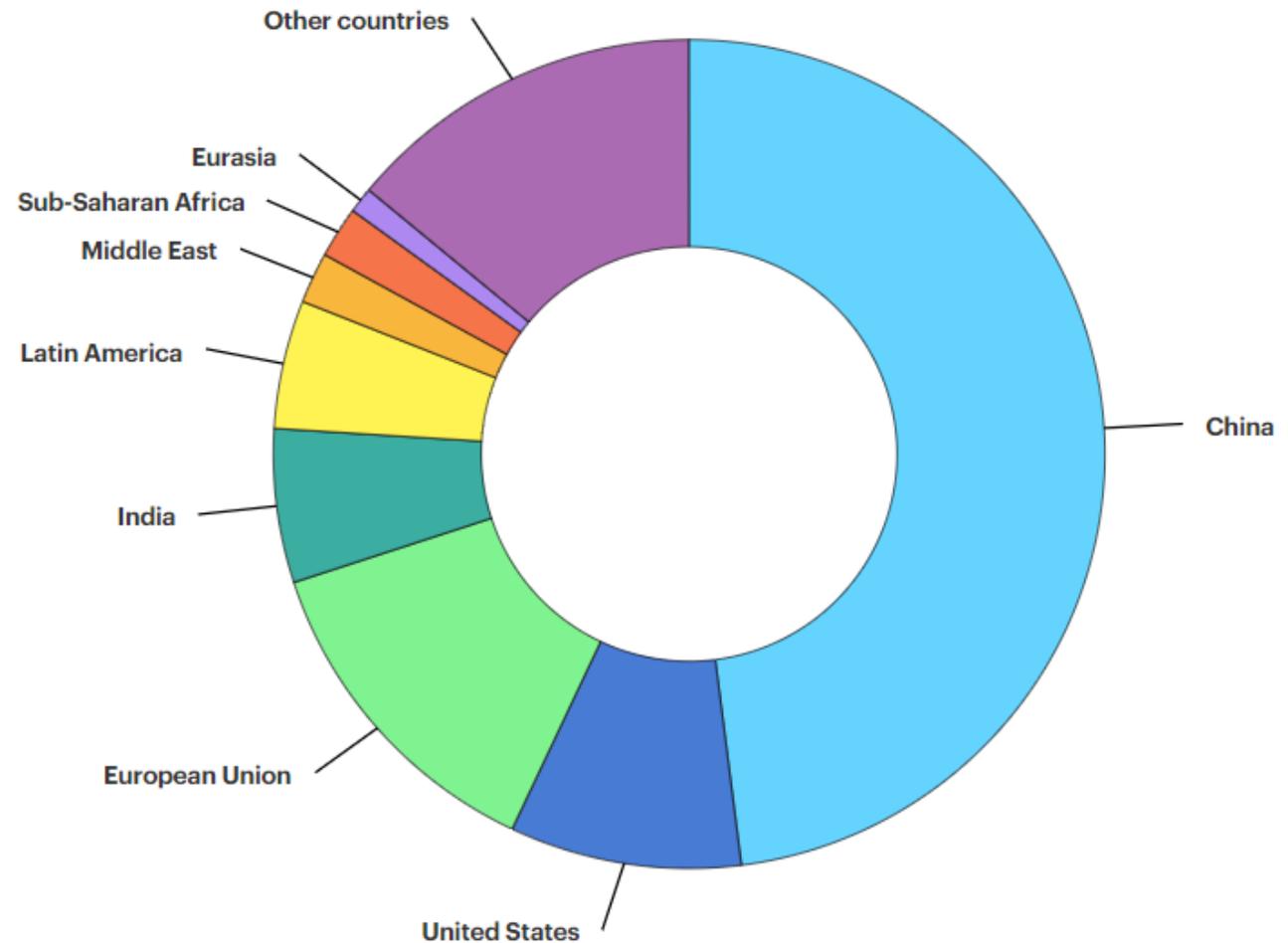
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GRØNNE SUPERKRÆFTER

Accelerated case cumulative capacity in 2030: 10 800 GW



Source: IEA

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Eksport af grønne brændstoffer?



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TEKNOLOGI = LØSNINGEN



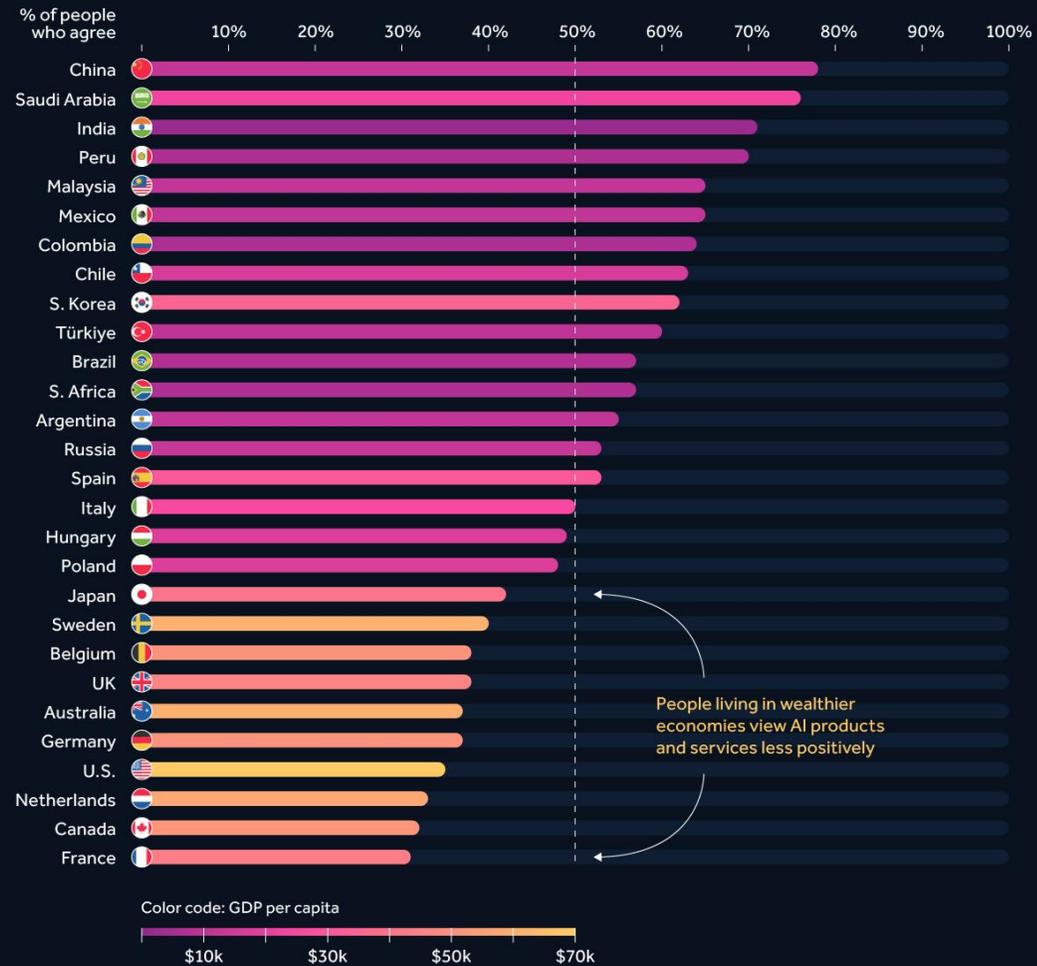
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PUBLIC SENTIMENT TOWARDS ARTIFICIAL INTELLIGENCE

A recent survey by Ipsos shows the % of respondents who agree to the question:

Q: Do products and services using AI have more benefits than drawbacks?



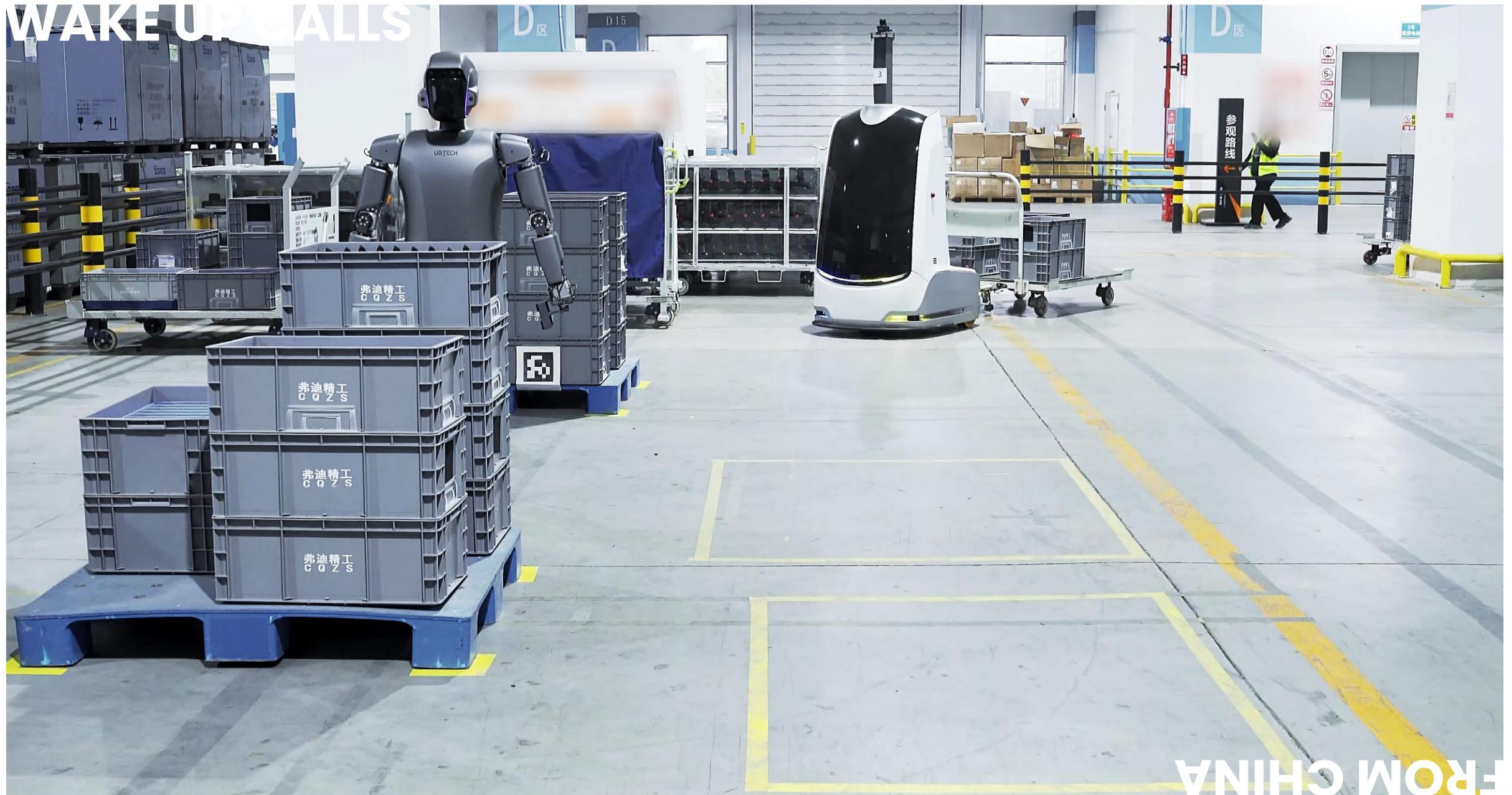
As of 2022. Based on the survey results of 19,504 adults aged 16-74 across 28 countries. Source: Ipsos, World Bank



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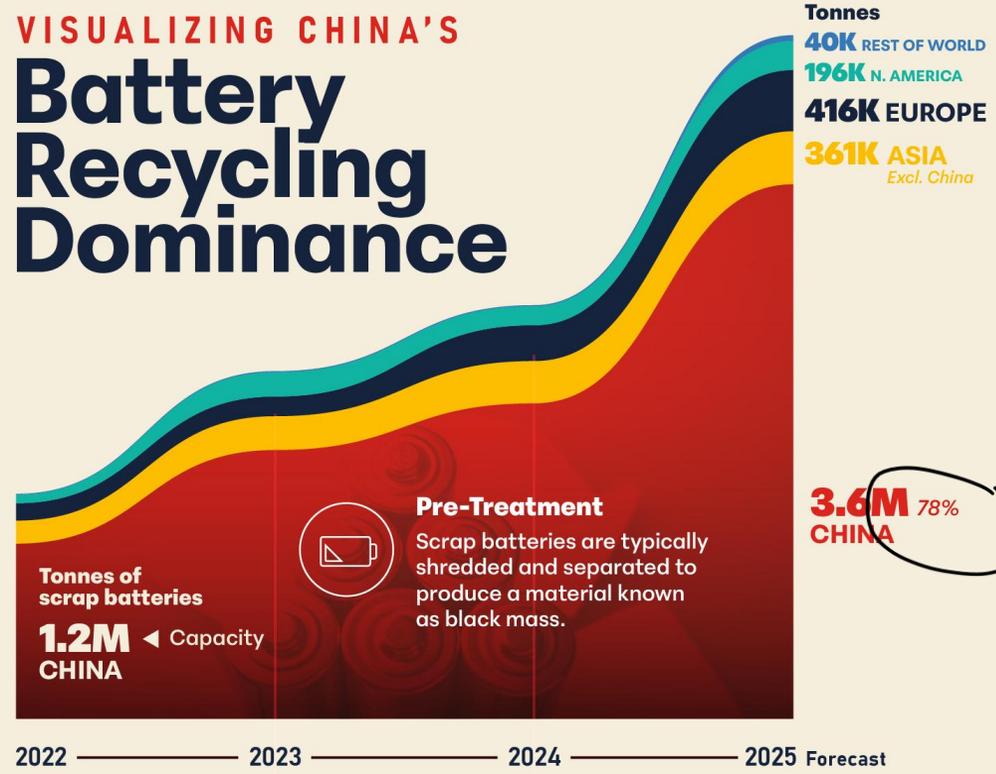


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VISUALIZING CHINA'S

Battery Recycling Dominance



Source: Benchmark Mineral Intelligence



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