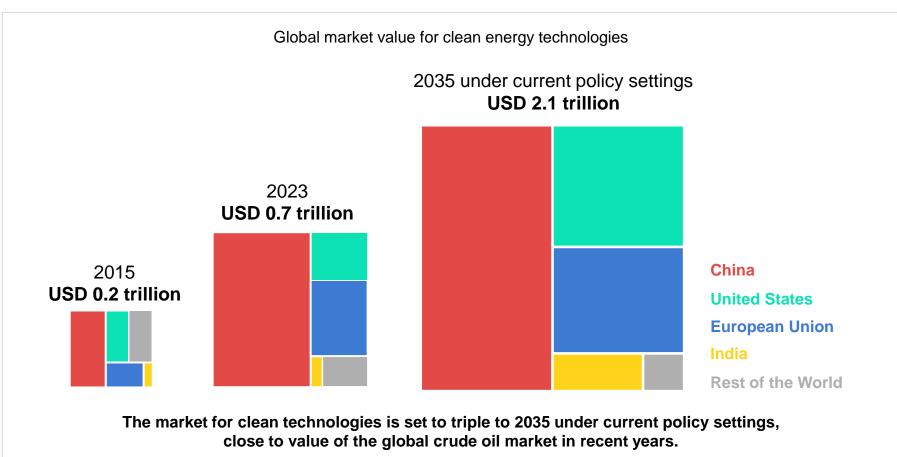


# **Energy Technology Perspectives 2024**

Presentation to the press

30 October 2024

# Clean & modern technologies are a sizeable economic opportunity

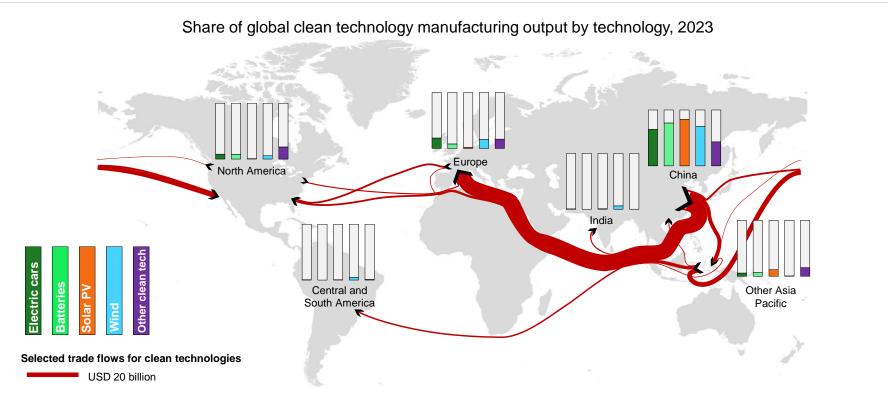


# Investment in clean technology manufacturing is booming



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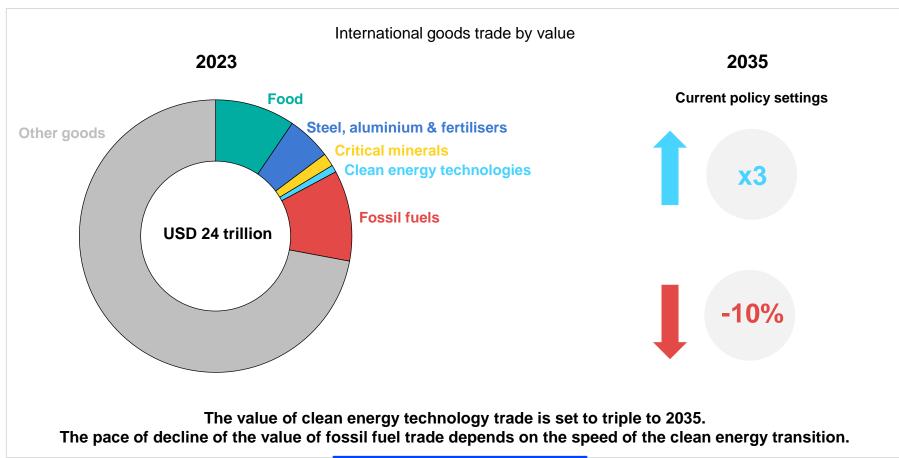
#### Investment in clean technology manufacturing is booming



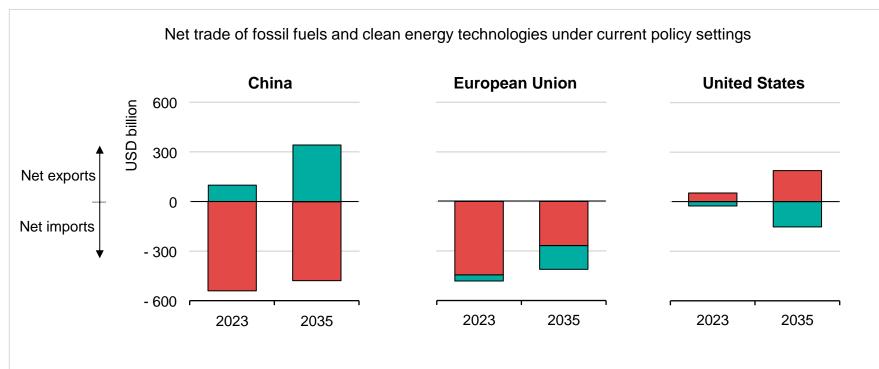
The manufacturing of clean technologies is highly concentrated geographically, with China accounting for around 70% of the global manufacturing output value for the six key clean technologies.

led

# International trade is essential to the global economy



#### China remains the world's clean technology powerhouse

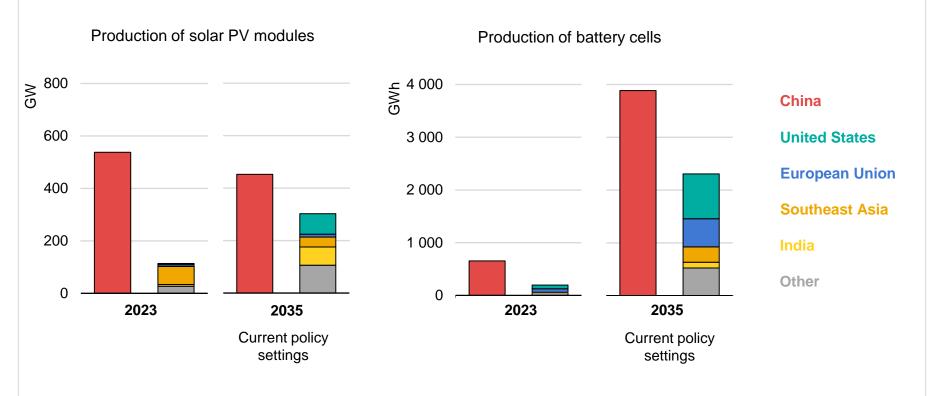


■ Fossil fuels ■ Clean energy technologies

The value of China's clean tech exports in 2035 is roughly equivalent to the projected 2024 oil export revenue of Saudi Arabia & the United Arab Emirates combined. The EU's import bill shifts to clean tech, which is a boon to resilience.

# Industrial policy & competitiveness shape the outlook for trade

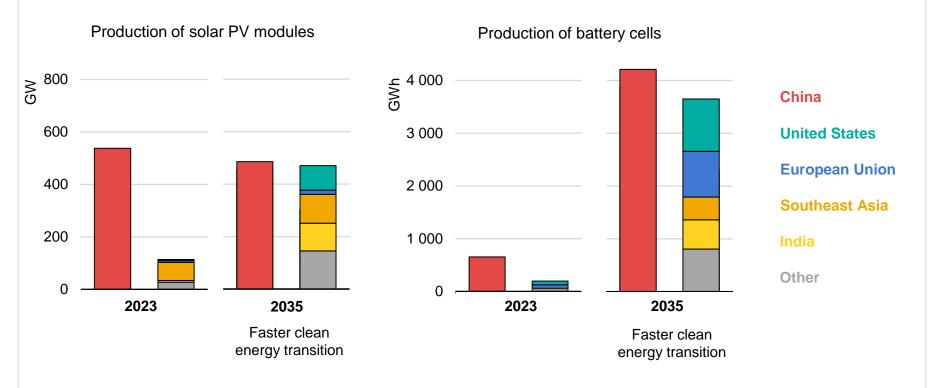




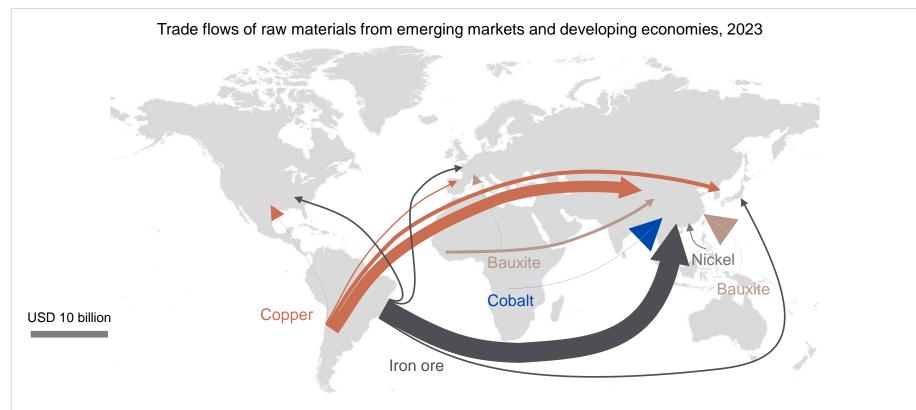
Industrial strategies can help boost the competitiveness of clean technology manufacturing. The policies established by countries around the world will affect the outlook for manufacturing & trade.

# Industrial policy & competitiveness shape the outlook for trade





Industrial strategies can help boost the competitiveness of clean technology manufacturing. The policies established by countries around the world will affect the outlook for manufacturing & trade.



A fair and just transition requires enabling more regions to reap the economic benefits from growing supply chains for clean and modern energy technologies.

Key manufacturing opportunities in the High Potential Case



Wind blade manufacturing increases x4 by 2035



Third largest battery manufacturer by 2050



Second largest exporter of near-zero emissions ammonia by 2050

A fair and just transition requires enabling more regions to reap the economic benefits from growing supply chains for clean and modern energy technologies.

 $\checkmark$  Skills of the workforce

✓ High fertiliser demand

✓ Good energy infrastructure

 $\checkmark$  Large lithium & iron ore reserves

Key manufacturing opportunities in the High Potential Case

EV manufacturing accounts for 3% of North Africa's GDP by 2050



Iron exports x4 more value than iron ore exports



Africa meets all ammonia demand with domestic resources by 2050

A fair and just transition requires enabling more regions to reap the economic benefits from growing supply chains for clean and modern energy technologies.

✓ Good renewable resources

- ✓ Large cobalt reserves
- $\checkmark$  Existing large fertiliser production
- Available energy infrastructure (North & South Africa)

Key manufacturing opportunities in the High Potential Case

✓ Good business environment

- $\checkmark$  Strong high-tech manufacturing sector
- $\checkmark$  Existing solar PV and ICE manufacturing
- $\checkmark$  Large nickel reserves

by 2050

Over 10% of global polysilicon production

EV exports approach 3 million by 2035

A fair and just transition requires enabling more regions to reap the economic benefits from growing supply chains for clean and modern energy technologies.

