

# Why *clean manufacturing* should define the future of *EU–India strategic partnership*

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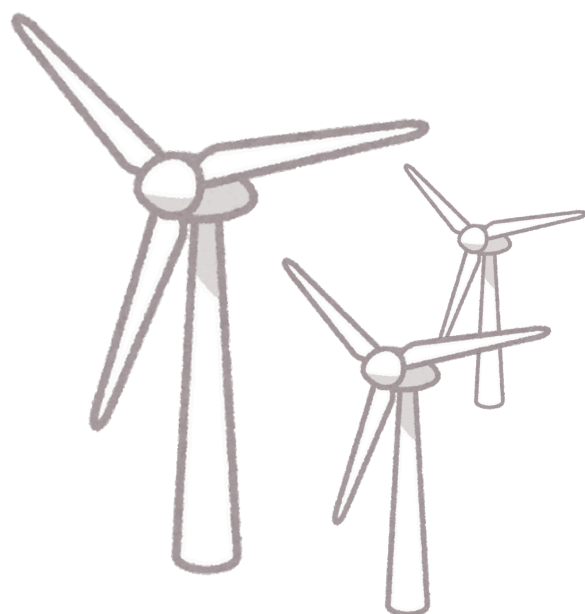
With global clean-energy investment now exceeding that of fossil fuels, clean-tech manufacturing and trade have become central to energy security, industrial strategy, and geopolitical influence. For the EU and India deepening clean-energy based partnerships can offer mutual benefits.

The EU is India's largest trading partner, accounting for around 17% of India's exports and 8% of its imports in 2024–25, while India represents about 2.4% of total EU goods trade. As clean technologies become more central to trade and industrial strategy, **this relationship has clear potential to deepen around clean-tech supply chains**. EU-India clean tech cooperation can scale across key areas including the **wind, batteries, and solar**.

## Three areas where *EU-India clean tech trade* could scale

### *Wind power*: a proven partnership ready to scale

- ▶ India is already a significant global exporter of wind turbines, accounting for around **6% of global exports**.
- ▶ It is one of the **largest non-EU supplier** to key EU markets including France and Poland.
- ▶ EU wind deployment is off track for 2030, increasing the need for **diversified and resilient supply chains**.



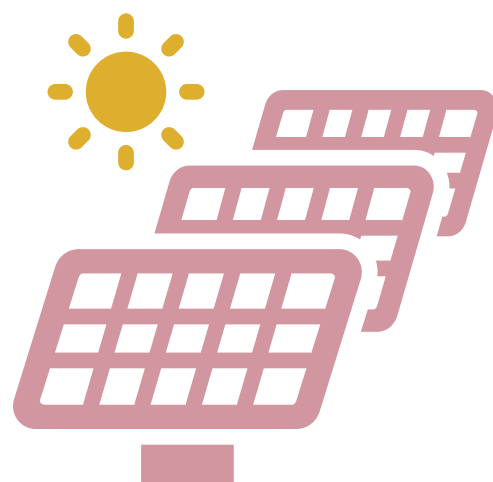
## ***Lithium-ion batteries:*** aligning strategic priorities

- ▶ Global battery supply chains remain highly concentrated in a few cell-manufacturing hubs in China and East Asia.
- ▶ India is seeking to **move beyond pack assembly into higher-value cell manufacturing**.
- ▶ The EU is seeking to diversify suppliers under its **Critical Raw Materials Act**.



## ***Solar PV:*** stabilising vulnerable supply chains

- ▶ India's solar value chain remains dependent on China for upstream inputs.
- ▶ Export markets are currently highly concentrated, particularly in the US.
- ▶ Europe presents an opportunity for **export diversification and long-term demand stability**.



## What this means for ***EU–India cooperation***

The EU–India Free Trade Agreement should be seen as a foundation for deeper cooperation. **Unlocking its full potential will require targeted collaboration on finance, standards, regulation, skills and joint innovation, supported by delivery-focused sectoral platforms.**

Making clean-technology cooperation a central pillar of the EU–India relationship can help build a more resilient, competitive and sustainable global clean-energy landscape aligned with climate and development goals.