

A Hydrogen Strategy for a climate neutral Europe

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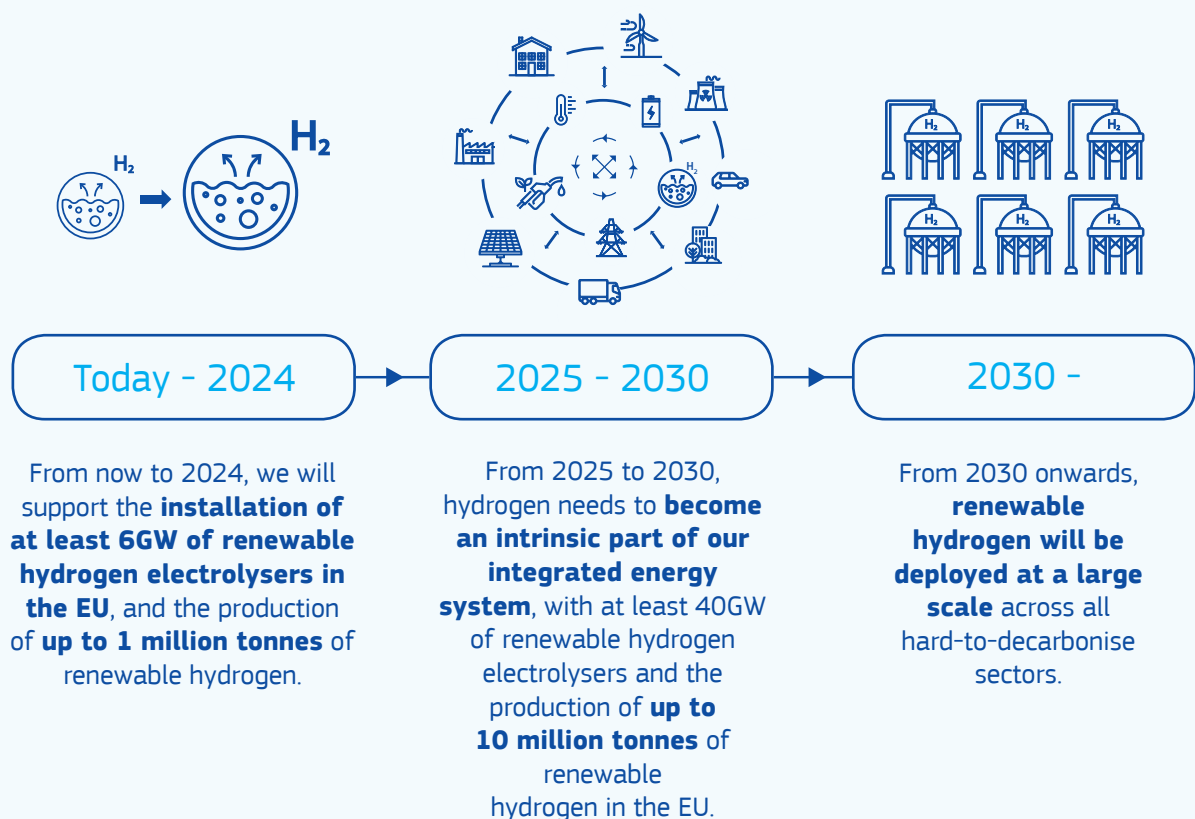
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The EU Hydrogen Strategy will give a boost to **clean hydrogen production in Europe**. Hydrogen can be used as **a feedstock, a fuel or an energy carrier and storage**, and has many possible applications which would reduce greenhouse gas emissions across industry, transport, power and buildings sectors. The Commission's economic recovery plan 'Next Generation EU' highlights **hydrogen as an investment priority** to boost economic growth and resilience, create local jobs and consolidate the EU's global leadership.



The path towards a European hydrogen eco-system step by step :



How can hydrogen be promoted in Europe?



- The production of clean hydrogen needs to be increased **by creating a sustainable industrial value chain.**



- We should **boost the demand for clean hydrogen** coming from industrial applications and mobility technologies.



- Clean hydrogen needs a **supportive framework, well-functioning markets** and **clear rules**, as well as dedicated infrastructure and a logistical network.



- **Promoting research and innovation** in clean hydrogen technologies is crucial.



- Europe we will secure **cooperation opportunities with neighboring countries and regions of the EU** and work to establish a global hydrogen market.



- The **European Clean Hydrogen Alliance** will help build up a robust pipeline of investments.

To decarbonise our economy we need to **promote clean hydrogen**

Our priority is to develop **clean, renewable hydrogen**, produced using mainly wind and solar energy as the most compatible option with the EU's climate neutrality goal in the long term. However, in the short and medium term other forms of low-carbon hydrogen are needed to rapidly reduce emissions from existing hydrogen production and support the development of a viable market at a significant scale.

To **target support at the cleanest available technologies**, the Commission will work to introduce a comprehensive terminology and certification, to define renewable and other forms of hydrogen. It will be based on life-cycle carbon emissions, anchored in existing climate and energy legislation, and in line with the EU taxonomy for sustainable investments.

This strategy, through supporting investment in clean hydrogen, will be critical in the context of the recovery from the COVID-19 crisis **by creating sustainable growth and jobs.**

