

Find out more

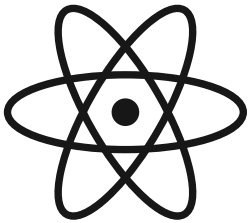


aelios

Alkaline ELectrolysis – Innovative materials and Operating Systems
to **boost efficiency and durability** under dynamic operation

Robust and efficient alkaline electrolysis solutions for the **flexible
production of green hydrogen**

AELIOS makes high-pressure hydrogen production more cost-effective and scalable, by addressing critical challenges such as stack efficiency, component degradation, and material circularity.



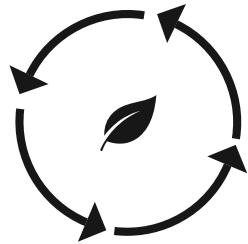
Materials

Develop advanced 3-D structured Ni-based electrodes and innovative BPP coatings for robust and durable material performance



Flexibility

Implement flexible operation strategies to enable the seamless integration of fluctuating renewable power into a clean energy grid



Circularity

Drive cost-efficient, sustainable, and circular scaling of green hydrogen production to support the global transition to a net-zero economy.

Our Partners

tecnal:a

MEMBER OF BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

**stargate
hydrogen**

nano4ENERGY

elhco
electroless hard coat, s.a.

RINA

F6S

X
Matgenix

Get in touch with the AELIOS Project team



www.aeliosproject.eu



info@aeliosproject.eu



[@aeliosproject](https://www.linkedin.com/company/aeliosproject)



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The project is supported
by the Clean Hydrogen
Partnership and its
members.



Co-funded by
the European Union

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