FUNDACIÓN HIDRÓGENO ARAGON

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Fundación Hidrógeno Aragón

33 projects in the Clean Hydrogen JU

FHA is your partner for **communication** and also for **S- LCA** & **training activities**

HTP Hydrogen Territories Platform

FHA is your partner for **hydrogen valleys replication**

Hydrogen Europe Research

Mr. Guillermo Figueruelo, Head of Startegy Area is **Hydrogen Valleys Cross-Technical Committee Leader**

FHA is your partner for **component and system level technology validation at TRL 4 to 6**

650 kW wind
150 kW PV

AEL 20 & 250 kW, test bench
AEL 48 kW, 8 Nm³/h @8 bar
PEMEL 5 kW, 1 Nm³/h @6 bar
AEMEL 15 kW, 2 Nm³/h @35 bar

7 kg @35 bar
23 kg @350 bar
60 kg @500-900 bar
700 kg LH2

HRS 200
HRS 300
HRS 700

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Topic		Experience and Contribution
HORIZON-JU-CLEANH2-2025-01-01	Improvements in lifetime and cost of low temperature electrolysers by introducing advanced materials and components in stacks and balance of plant	Extensive experience in test bench development and operation for low-temperature electrolysis technologies, including ALK, PEM, and AEM.
HORIZON-JU-CLEANH2-2025-01-03	Scale-up and Optimisation of manufacturing processes for electrolyser materials, cells, or stacks	
HORIZON-JU-CLEANH2-2025-01-04	Efficient electrolysis coupling with variable renewable electricity and/or heat integration	
HORIZON-JU-CLEANH2-2025-01-05	Innovative co-electrolysis systems and integration with downstream processes	
HORIZON-JU-CLEANH2-2025-01-02	Improved lifetime and cost of high-temperature electrolysers by introducing innovative materials and components in stacks and BoP	Impact studies; LCA, S-LCA, tecno-economic evaluations, etc.
HORIZON-JU-CLEANH2-2025-01-07	Towards exploration and evaluation of European natural hydrogen potential	
HORIZON-JU-CLEANH2-2025-02-03	Demonstration of scalable ammonia cracking technology	
HORIZON-JU-CLEANH2-2025-03-03	Reliable, efficient, scalable and lower cost 1 MW-scale PEMFC system for maritime applications	

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