



International Partnership  
for Hydrogen and Fuel Cells  
in the Economy

## ***Costa Rica* Update**

42<sup>nd</sup> IPHE Steering Committee Meeting

20 – 21 November 2024

Brussels, European Commission

# Announcements / New Initiatives *Costa Rica*

- The Mitigation Action Facility (MAF) has approved the implementation phase of a €25 million grant devoted to promote a green hydrogen economy in Costa Rica. This 5-year project includes pilot demonstrations and a soft-loan mechanism through additional \$100 million from the IFC (World Bank).
- The relocation of 13 fuel-cell buses from Oakland, CA, USA to Costa Rica has been completed. These units are currently being refurbished and commissioned.
- The privately-funded Pronova Energy's 1 MW heavy-duty hydrogen transportation pilot project has begun its design phase.

# Examples of Lessons Learned and Impact *Costa Rica*

Program initiative, policy, regulation or mandate	Lessons Learned/Outcomes
<p>Costa Rica Hydrogen School</p>	<ul style="list-style-type: none"> <li>• Successful completion of first three training groups.</li> <li>• Hands-on training of hydrogen technicians is a key component for the development of the required workforce.</li> </ul>
<p>Relocation of hydrogen bus fleet from the US to Costa Rica</p>	<ul style="list-style-type: none"> <li>• The cost of transportation and logistics is a significant challenge.</li> <li>• Education is required with authorities in ports and customs along the way in order to speed up the process.</li> </ul>
<p>MAF Green Hydrogen grant to Costa Rica (EUR 25M)</p>	<ul style="list-style-type: none"> <li>• Long and complex process required with lots of entities involved, both locally and abroad.</li> <li>• Financial models become outdated when approval process take long (~4 years in this project).</li> </ul>



# Costa Rica – Profile November 2024

## Status of Deployments

- Existing Green Hydrogen Ecosystem continues nominal operation after 11 years of producing GH2 and 7 years of refuelling vehicles.

## Leading Government Initiatives

- Feasibility study of the Green Hydrogen Knowledge and Innovation Hub in Costa Rica concluded Nov 2024.

## Goals or Focus Areas

- Training of technical workforce through the Costa Rica Hydrogen School.
- Deployment of modular, small- to medium-scale hydrogen transportation demonstration projects in next 2 years.

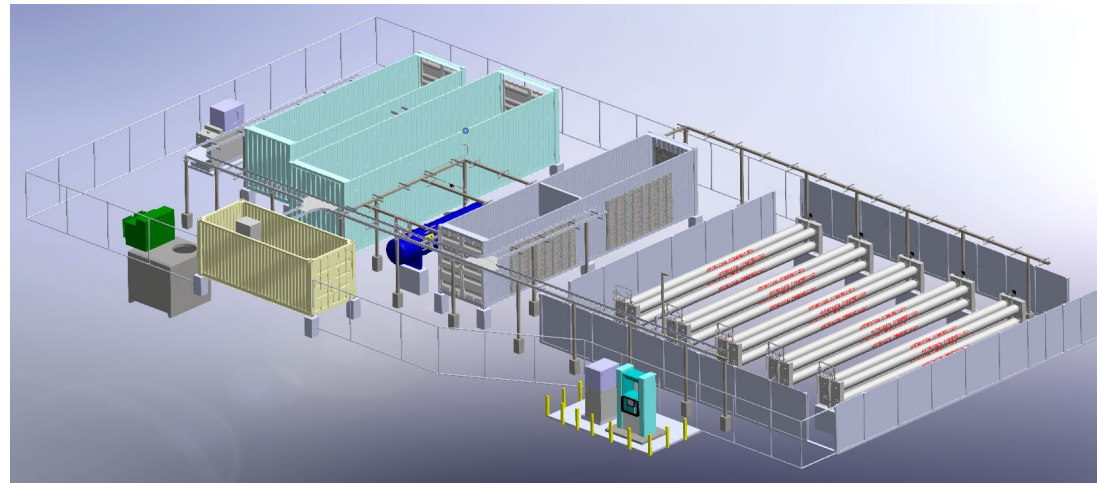
## Deployment Goals

- ~5 buses and ~5 trucks, plus associated HRS, in private ProNova project (Q4 2026).
- ~10 trucks in MAF-funded pilot project (2027).

## Funding

- EUR 25M grant from MAF for GH2 projects and financial mechanism.





# Thank you



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