

BH2C: Basque Hydrogen Corridor

Set up in 2021 to create a **hydrogen ecosystem** in the Basque Country which, based on specific **projects** and actions and underpinned by a strategy of **public-private collaboration**, will enable progress to be made in the decarbonisation of the **energy, mobility** and various other **industrial sectors**.

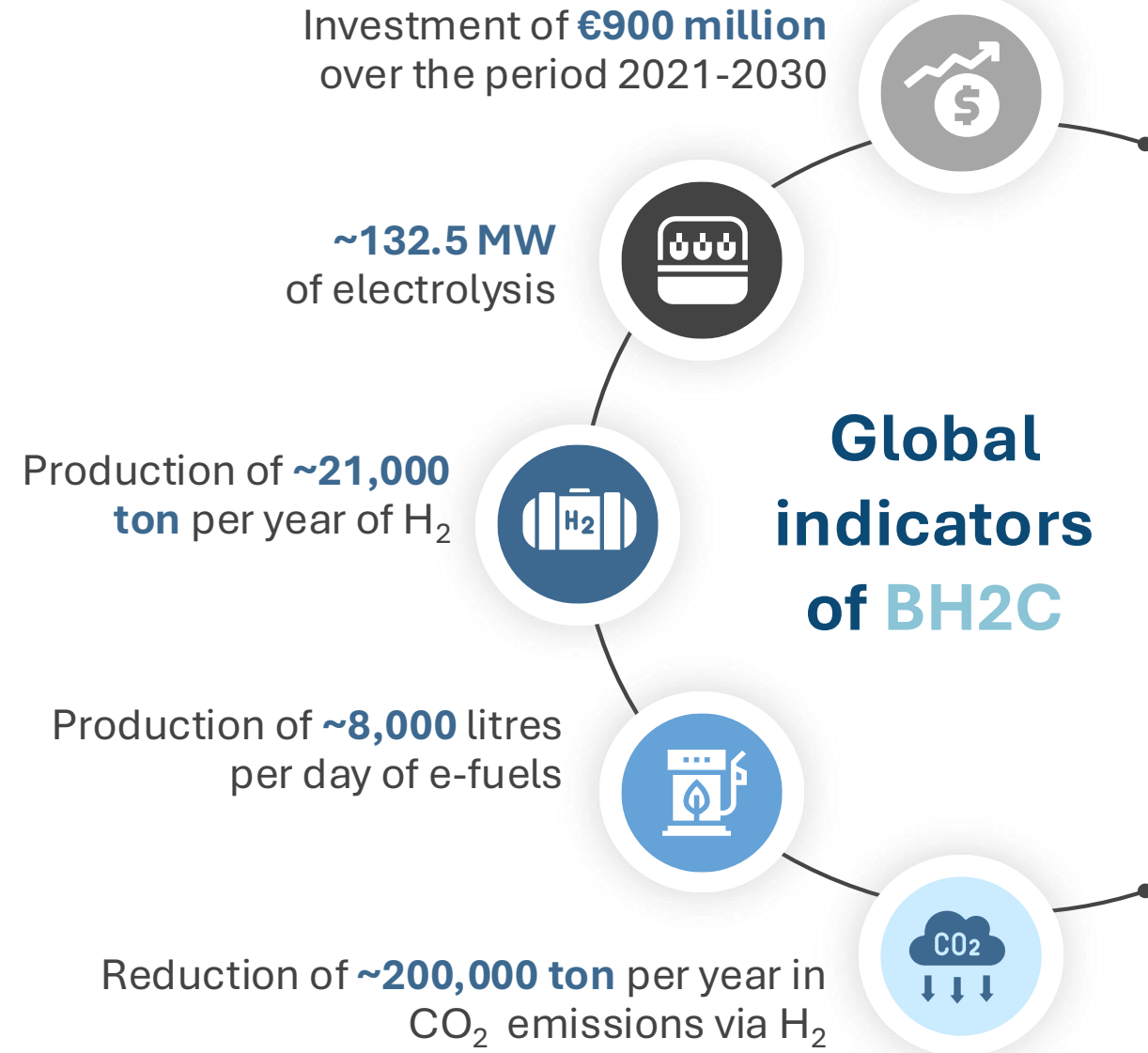
BH2C is a major initiative to develop a renewable hydrogen economy in the Basque Country.



**Association of
73 members**



**55 projects
ongoing**



Petronor strategy to deploy 112.5MW of electrolysis capacity by 2028

10/2023

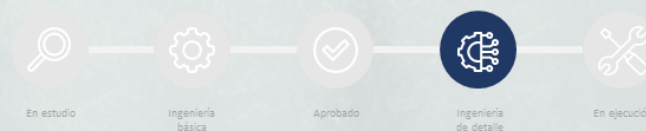


COD	Q4 2023
Investment	13 M€
Location	Petronor refinery
Grants	N/A
Partners	N/A

Production: **350tn/year of renewable H2**

2.5 MW Electrolyser

Q1 2026



COD	Q1 2026
Investment	40 M€
Location	Port of Bilbao
Grants	10,9 M€
Partners	EVE / ENAGAS Renewable

Production: **1.500tn/year of renewable H2**

10 MW Electrolyser

Q3 2028



CODr	Q3 2028
Investment	272 M€
Location	Petronor refinery
Grants	160 M€
Partners	N/A

Production: **16.000tn/year of renewable H2**

100 MW Electrolyser

Some examples of BH2C milestones

Technological development and manufacturing project for state-of-the-art electrolyzers.

July 2022



New palladium membranes factory in Bizkaia to add 200 jobs over 3 years.

October 2024



Start-up of a laboratory for the development of hydrogen technologies.

February 2024



The largest Tube Trailer in the world in terms of pressure (517 bar) and capacity (1.3 ton) for H2 transportation.

February 2023



100% hydrogen distribution network.

October 2023



The Abanto Campus is the first of its kind in Europe with a continuous supply of green hydrogen.

→ Strategic space for the development of BH2C and the creation of an industrial hub around the H2 economy.



First onboard ammonia cracking system that produces high purity hydrogen coupled to a PEM fuel cell.

November 2023



The Irizar bus completes the European homologation of hydrogen vehicles.

July 2024



The first hydrogen train to run in tests on the Spanish and Portuguese rail network.

November 2024



Reheating furnace prototype for the evaluation of hydrogen combustion technologies.

March 2023



First ladle preheating station capable of running entirely on green hydrogen.

July 2023



Oxyfuel-cutting prototype to evaluate the use of hydrogen for metallurgical cutting.

January 2024

