



Deployment of a H₂ ecosystem on the Island of Mallorca

POWER TO GREEN HYDROGEN MALLORCA

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<https://greenhysland.eu>





11.947.382 tourists visited Mallorca in 2018

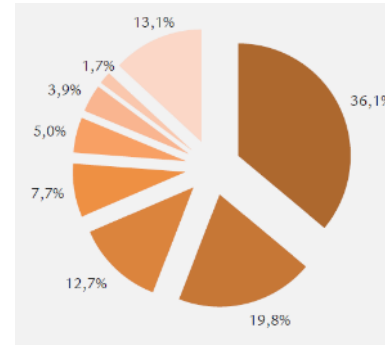
This initiative is part of an agreement between the Ministry of Industry, Trade and Tourism and the Balearic Government with Enagás, Acciona, CEMEX and Redexis to **reindustrialise** Lloseta (Mallorca).

Al acuerdo firmado a finales de 2018 por Enagás, Acciona y Cemex, para el desarrollo de una planta de generación de hidrógeno verde, se ha unido también Redexis

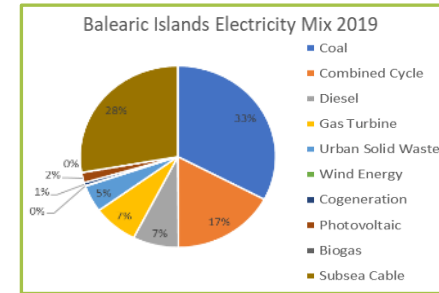
El Govern de les Illes Balears, **Francina Armengol** y el conde de Treball, Comerç i Indústria, **Jago Nequeruela**, junto con Enagás, Acciona, Cemex y Redexis presentaron el martes 7 de mayo el proyecto "Power to Green Hydrogen Mallorca". La iniciativa cuenta con la implicación directa del Instituto para la Diversificación y el Ahorro Energético (IDAE).



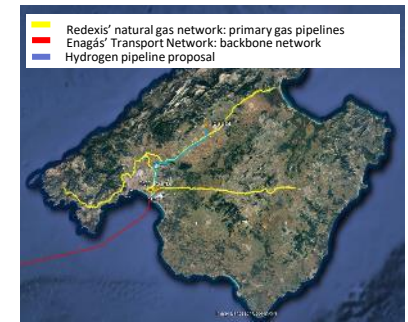
Grupo de asistentes a la presentación pública del proyecto en Mallorca.



Source: "El turismo a les Illes Balears. Anuari 2018". AEITB.



Source: REE Annual Report 2018.



Source: Enagás

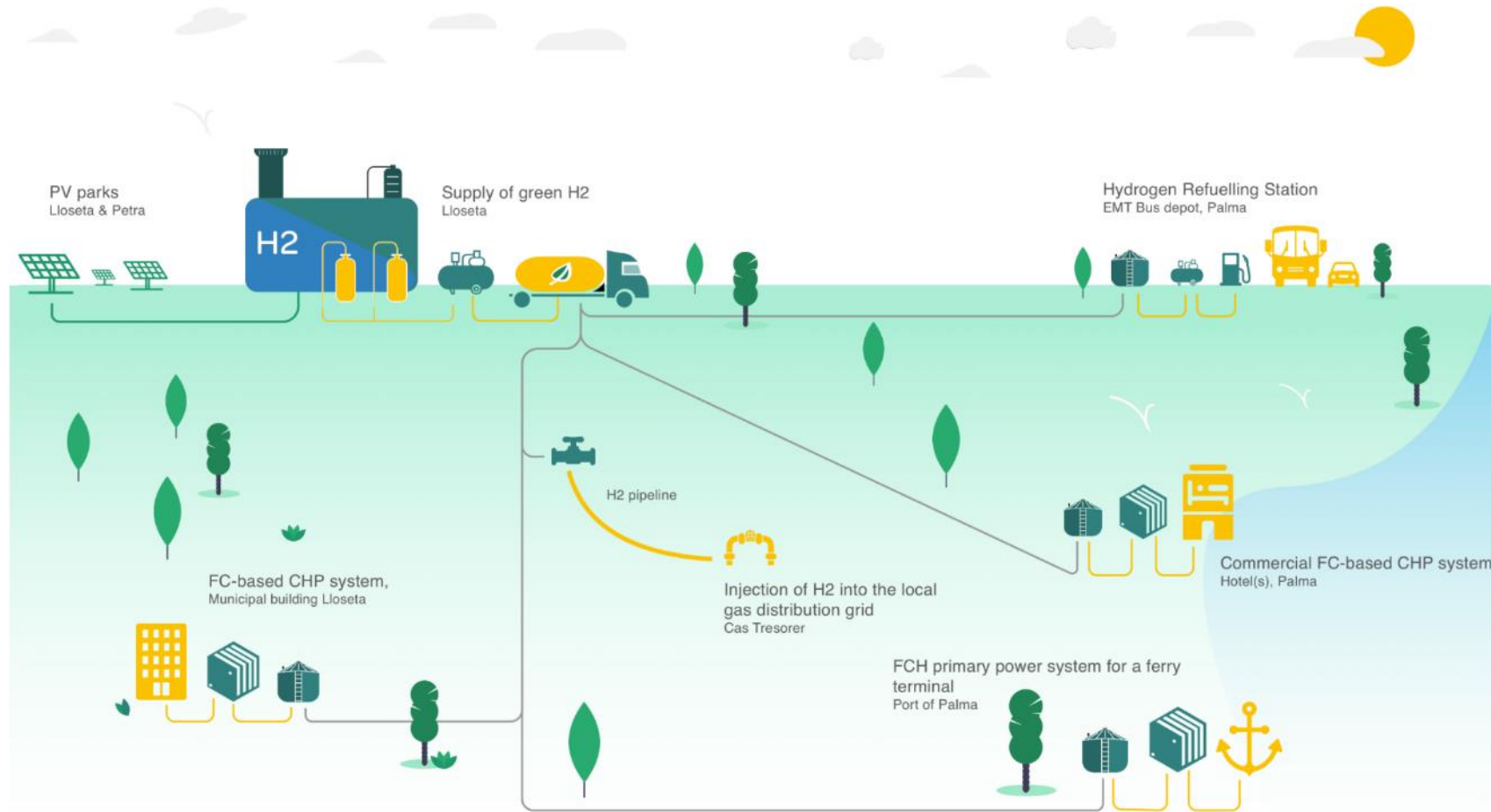
The project includes the development of a **green hydrogen** production plant from renewable photovoltaic energy. Green hydrogen will have **multiple applications** on the island, including the **fuel supply** to a fleet of **fuel cell buses** and **fuel cell vehicles**, the generation of **heat and power** for commercial and public buildings and the creation of a **HRS**.

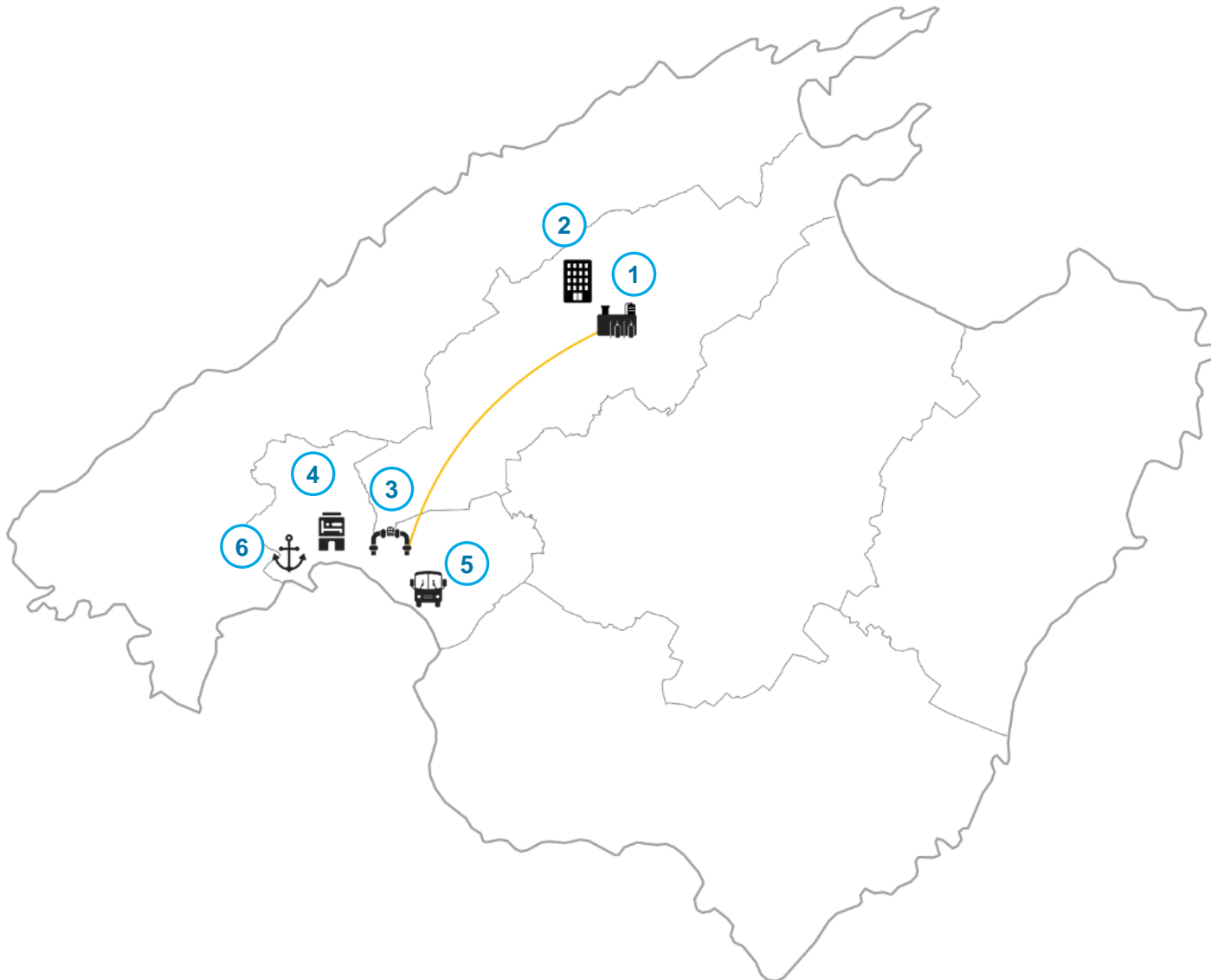
The project includes **green hydrogen injection** into the island's gas pipeline network, through a **Guarantee of Origin System**, to decarbonise the gas supply.

On 24/05/2019 the Balearic Government approved the declaration of the Power to Green Hydrogen Mallorca Project as a **Strategic Industrial Project**.



Development of a **"H2 ecosystem"** which can be replicated across other islands and remote territories in UE and beyond





- 1 Green hydrogen production plant at Lloseta
- 2 Fuel cell in a public building in Lloseta
- 3 H2/GN blending station at Cas Tresorer & injection point to NG grid
- 4 Fuel cell at hotel in Palma
- 5 HRS at EMT de Mallorca
- 6 Fuel Cell at the maritime station in Palma Port
- Hydrogen pipeline



Avoided carbon footprint: more than **21,000 tpy**



New **direct and indirect employment ecosystem** associated to **hydrogen**



Development of a **sustainable large-scale island-based H2 hub** in Mallorca



Development **a long-term roadmap** to lay the path for a local & regional based economy towards 2050



Scalability and Replicability



Estimated **investment** \approx 50 M€



Green Hysland – Partners and supporters





THANK YOU