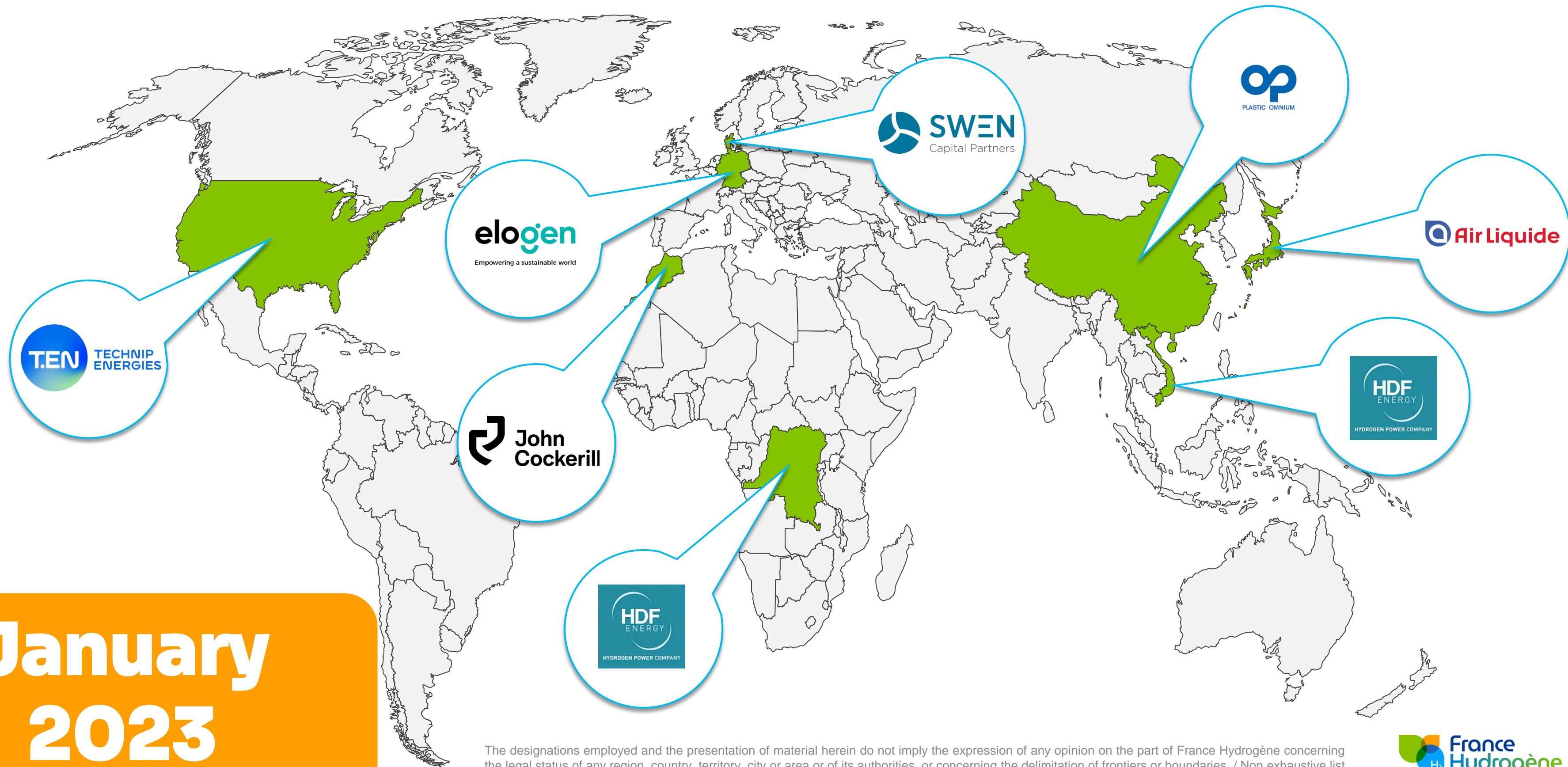


FRENCH COMPANIES' IMPULSE TOWARDS A GLOBAL HYDROGEN ECONOMY



January
2023

The designations employed and the presentation of material herein do not imply the expression of any opinion on the part of France Hydrogène concerning the legal status of any region, country, territory, city or area or of its authorities, or concerning the delimitation of frontiers or boundaries. / Non exhaustive list of French companies' international business development in the hydrogen economy, made public during the corresponding month.



DENMARK



SWEN Capital Partners, a French asset management firm, invested in Arcadia eFuels' PtX-facility, to produce eKerosene for the aviation industry. The funds will finance the Front End Engineering Design works for the production sites. Arcadia eFuels aims at operating its first plant in Denmark by 2026, with a capacity of 75 kt/year.

**January
2023**

Source: SWEN Capital Partners, Press release,
January 4, 2023



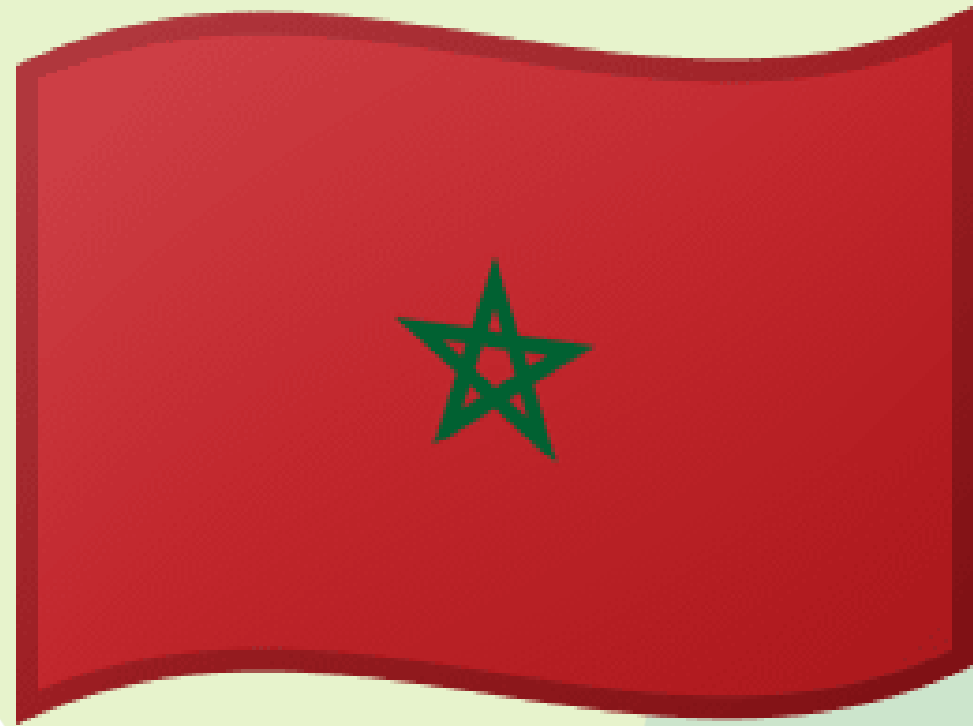
VIETNAM



HDF Energy, a French Hydrogen-to-Power infrastructure operator and developer, concluded a MoU with PTSC, part of PetroVietnam Group, to develop, finance and implement hydrogen power plant projects in Vietnam and examine green hydrogen production opportunities in the country and the region.

**January
2023**

Source: HDF Energy, Press release, January 4, 2023



MOROCCO



**John
Cockerill**

John Cockerill, a world leader in alkaline electrolyzers, is to set up a joint venture with a Moroccan energy company to provide green hydrogen solutions and build Africa's first alkaline electrolyser gigafactory in Morocco.

**January
2023**

Source: John Cockerill, Press release, January 4, 2023



GERMANY

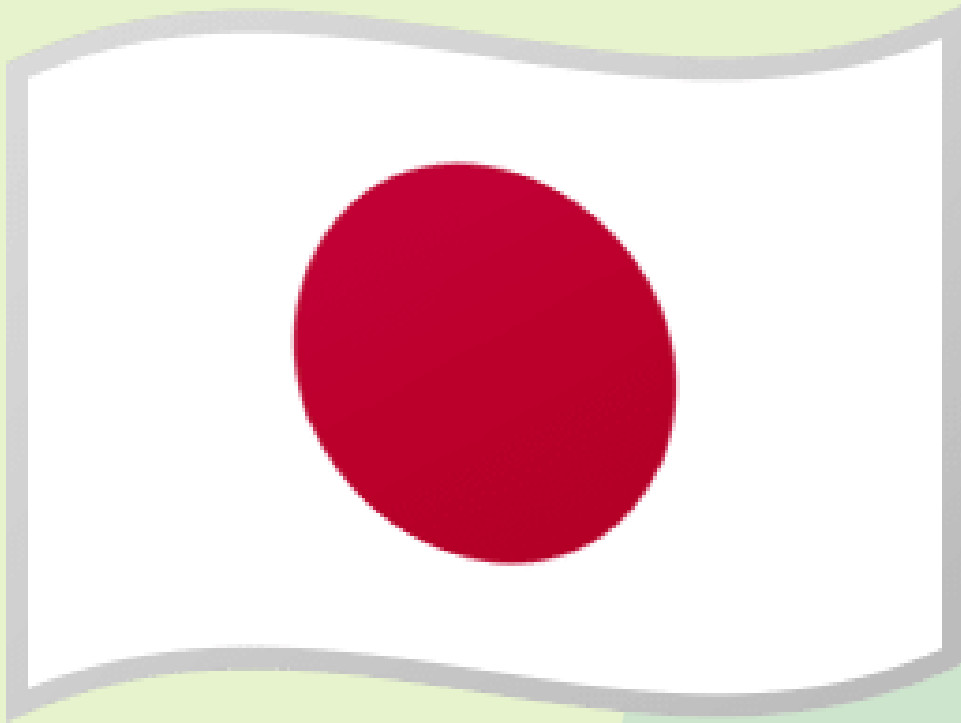
elogen

Empowering a sustainable world

Elogen (GTT group), a French PEM electrolysis technology company, signed a contract with ENERTRAG SE, a German renewable-energy company, to deliver a 10 MW PEM electrolyser for a facility near Magdeburg in Germany by 2024, with a production capacity of up to 4 tonnes of hydrogen per day.

**January
2023**

Source: Elogen, Press release, January 4, 2023



JAPAN



**January
2023**

Air Liquide, a leading French industrial gas company, will provide Japanese INPEX CORPORATION with its proprietary Autothermal Reforming technology for the implementation of the Kashiwazaki Clean Hydrogen and Ammonia Project in the Hirai area of Kashiwazaki City, Japan's first project demonstrating the integration of low-carbon hydrogen and ammonia production and usage.

Source: Air Liquide, Press release, January 10, 2023



CHINA



**January
2023**

Plastic Omnium, a French industrial group, launched a 50/50 joint venture with Chinese Shenergy Group to produce high-pressure hydrogen storage systems for commercial vehicles. A pilot production line is to be deployed by 2025 and a major facility is to manufacture up to 60000 high-pressure hydrogen vessels by 2026 from a plant in Shanghai to address the market in China.

Source: Plastic Omnium, Press release, January 11, 2023



DEMOCRATIC REPUBLIC
OF THE CONGO



HDF Energy, a French Hydrogen-to-Power infrastructure operator and developer, signed a partnership with the Kinshasa Province authorities in the Democratic Republic of the Congo, to explore the possibility of building a hydrogen solar power plant to manage the intermittency of solar panels.

**January
2023**

Source: Afrik21 Article, January 24, 2023



UNITED STATES
OF AMERICA



Technip Energies, a leading Engineering & Technology company listed on Euronext Paris, won the front-end engineering and design (FEED) contract of the world's largest low-carbon hydrogen project for ExxonMobil in Texas (USA). The facility's production capacity is set to reach 1 Bcfd of hydrogen and capture 7 Mtpa of associated CO₂ emissions.

**January
2023**

Source: Technip Energies, Press release, January 31, 2023

