# HYDROGEN IN FRANCE

## ADVANCING TOWARDS A NET ZERO FUTURE

*Dunkerque (Nord)*

**EDF to be awarded an unknown amount of subsidiary from the EU Innovation Fund for its HYODE project | October 23**

*Alizay (Eure)*

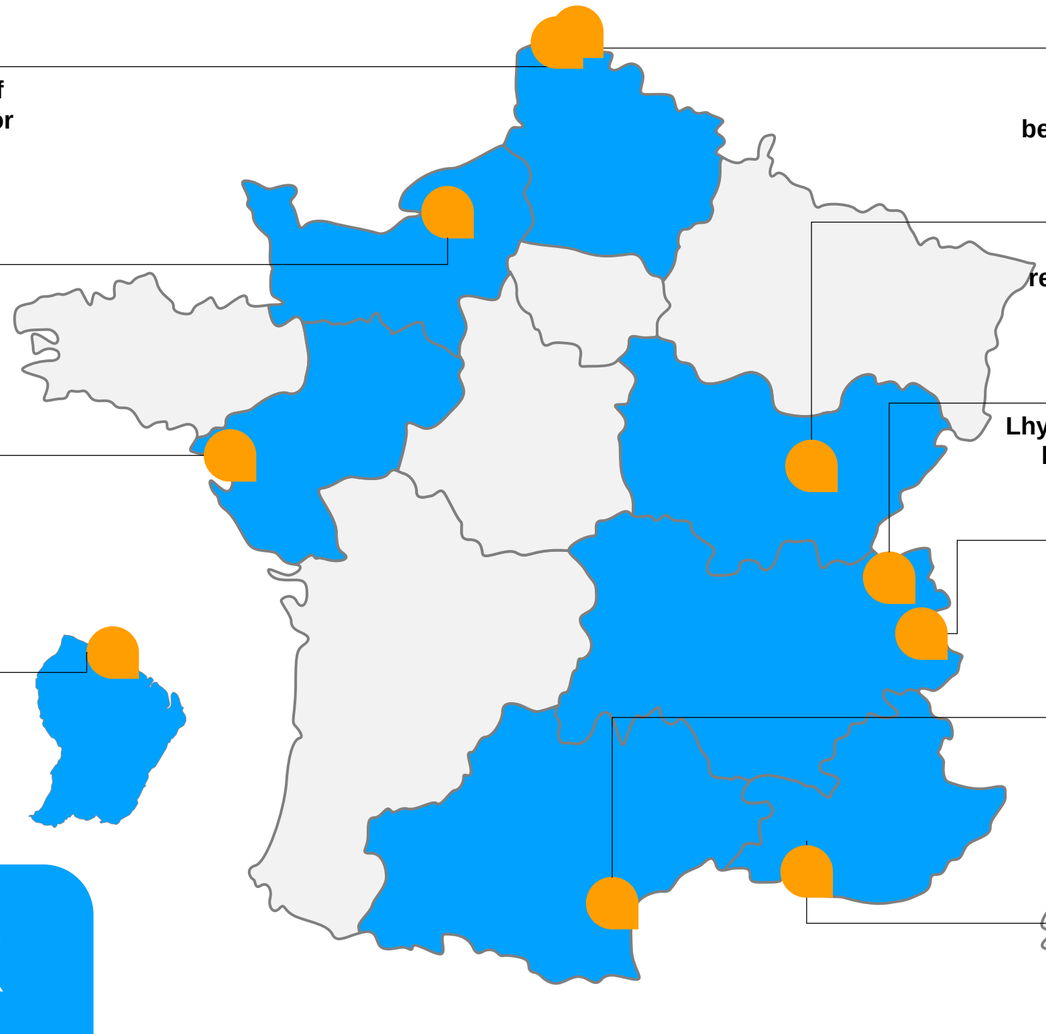
**BEA Alizay and Verso Energy sign an agreement to produce sustainable fuel with biogenic CO2 and green hydrogen | October 22**

*Port de Saint-Nazaire (Loire-Atlantique)*

**French green hydrogen-based methanol project aims to displace a quarter of country's imports | October 11**

*Kourou (Guyane)*

**EKPO and MITIS to supply highly efficient fuel cell systems for power generation in Europe's Spaceport | October 29**



*Dunkerque (Nord)*

**GRTgaz and Fluxys hydrogen launch a call for manifestations of interest for a connexion between French and Belgian harbors | October 16**

*Dijon (Côte d'Or)*

**Q ENERGY and Inthy join forces to develop a renewable project combining green hydrogen and agrivoltaics | October 15**

*Le Cheylas (Isère)*

**Lhyfe lays the foundation stone of its largest green hydrogen production site in France | October 18**

*Vallée de l'Arve (Haute-Savoie)*

**As part of the Arv'hy project, HYVIA supplies hydrogen station and vans to decarbonize the Arve Valley in France | October 1**

*Port-la-Nouvelle (Aude)*

**Occitanie Region, DEME, Euroports and Teréga sign a MoU to establish a low-carbon hub | October 16**

*Marseille (Bouches-du-Rhône)*

**Ephyra inaugurates the first hydrogen fuelling station in a marina | October 2**

# OCTOBER 2024

## Monthly News & Highlights

Non exhaustive list of news (projects, contracts, investment, partnership, etc.) in France published between the first and the last day of the month

France Hydrogène
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# HYDROGEN IN FRANCE

## ADVANCING TOWARDS A NET ZERO FUTURE

# Also in the news

Partnerships

Mergers and acquisition

Standard, certification

R&D projects

Other news

**NAAREA and EO Concept, Energy Observer's subsidiary, join forces to develop the production of renewable hydrogen and e-fuels, focusing on maritime mobility applications for the technology | October 3**

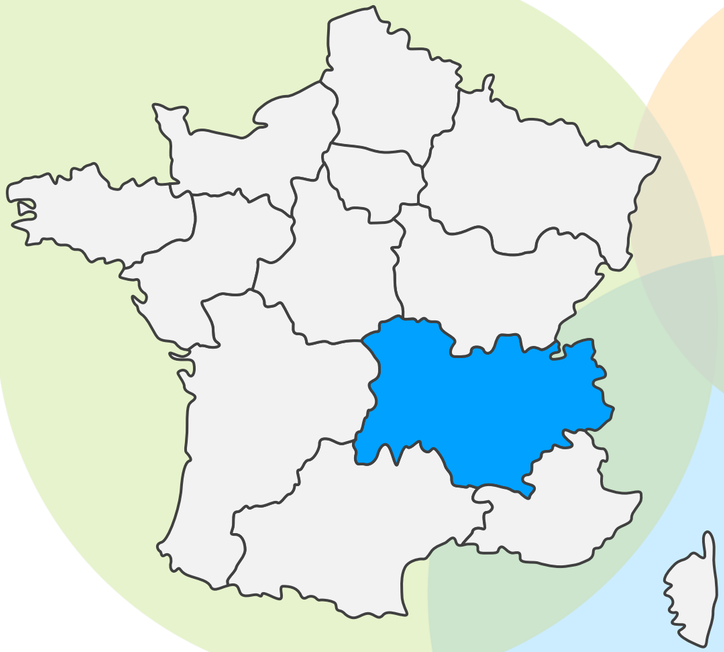
**EODev to be awarded an unknown amount of subsidiary form the EU Innovation Fund for the developement of its Energy Observer 2 | October 23**

**Beyond Aero raises total capital to $44M to electrify aviation with hydrogen propulsion | October 28**

**OCTOBER 2024**

**Monthly News & Highlights**

Non exhaustive list of news (projects, contracts, investment, partnership, etc.) in France published between the first and the last day of the month



**AUVERGNE-RHÔNE-ALPES**

HYVIA

atawey
ANYTIME, ANYWHERE, ENERGY

# OCTOBER 2024

"As part of the Arv'Hy project in the Arve Valley in "**Haute-Savoie**" (France), **HYVIA** will supply a dozen Renault Master Van H2-Tech vans and a HYWELL® hydrogen filling station developed in partnership with **Atawey**, which will be operational in spring 2025. (...) The hydrogen distributed will be 100% green, initially transported by tube-trailer, then produced on site by an electrolyzer powered by 100% renewable electricity."

Source: HYVIA, Press Release, October 1

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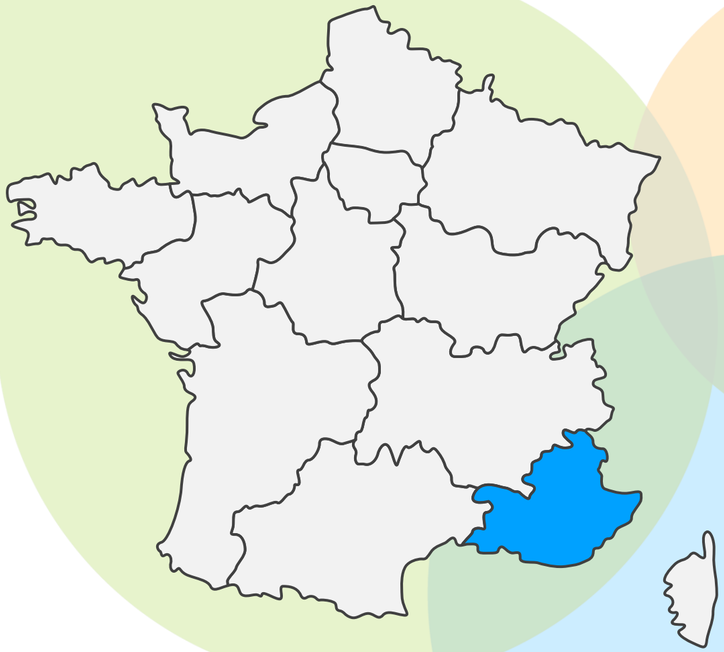

**PROVENCE-ALPES-COTE D'AZUR**

# OCTOBER 2024

"At Anse de la Réserve in Marseille [**Provence-Alpes-Côte d'Azur**], **Ephyra** has just inaugurated the very first hydrogen refuelling station to be installed in a marina. The system combines an electro-hydrogen-powered boat with a refuelling station. (...) At present, the station is fuelled by hydrogen delivered on site. By 2025, the company is due to receive an electrolysis system that will enable it to manufacture hydrogen on site."

Source: Le Journal des Entreprises, Article, October 2 | Translated with DeepL

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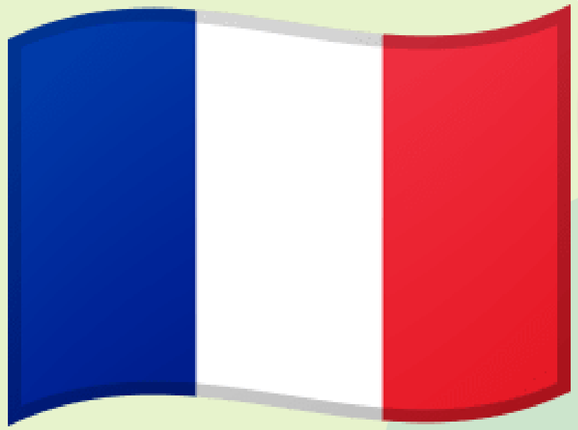

FRANCE

ENERGY OBSERVER

naarea

**OCTOBER 2024**

“**NAAREA**, a French pioneer in innovative nuclear power, has entered into a strategic partnership with **EO Concept**, a subsidiary of **Energy Observer**, with the mission of accelerating the development and innovation of decarbonised energy chains that break away from conventional propulsion for heavy maritime applications. The aim of this collaboration is to explore the opportunities offered by the XAMR® Solution for the production of hydrogen and/or low-carbon electrofuels, with a particular focus on maritime mobility.”

Source: Naarea and EO Concept, Press Release, October 3 | Translated with DeepL

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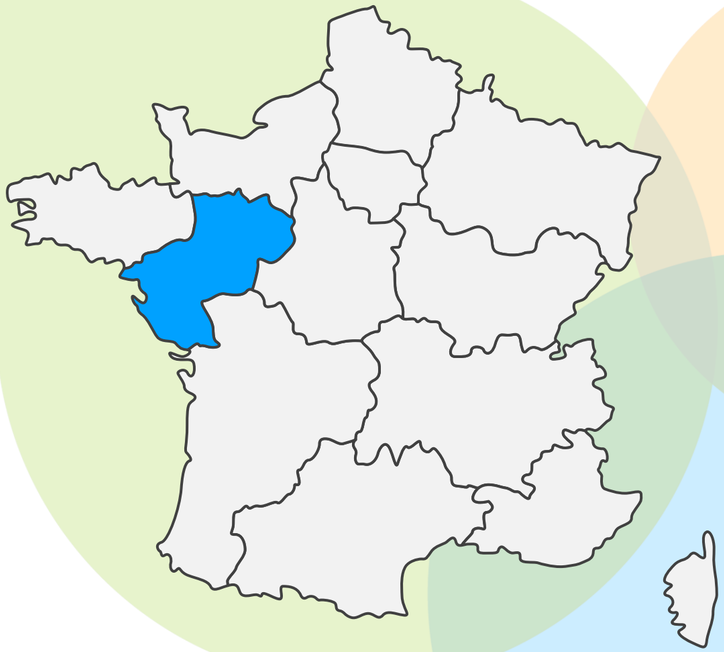

**PAYS DE LA LOIRE**

Lhyfe

Elyse

# OCTOBER 2024

“**Lhyfe** (…) and **Elyse Energy** (…) have announced their intention to work together to develop the production of e-methanol from green, renewable hydrogen in **Montoir-de-Bretagne** [**Pays de la Loire**]. (…) At the time, Lhyfe presented its plans to build an industrial unit with a production capacity of up to 85 tonnes per day of renewable green hydrogen (installed electrolysis capacity of 210 MW) to the north of the Multivrac terminal, by 2028. (…) Elyse plans to produce 150,000 tonnes of e-methanol a year on this site.”

Source: Lhyfe and Elyse Energy, Joint Press Release, October 11

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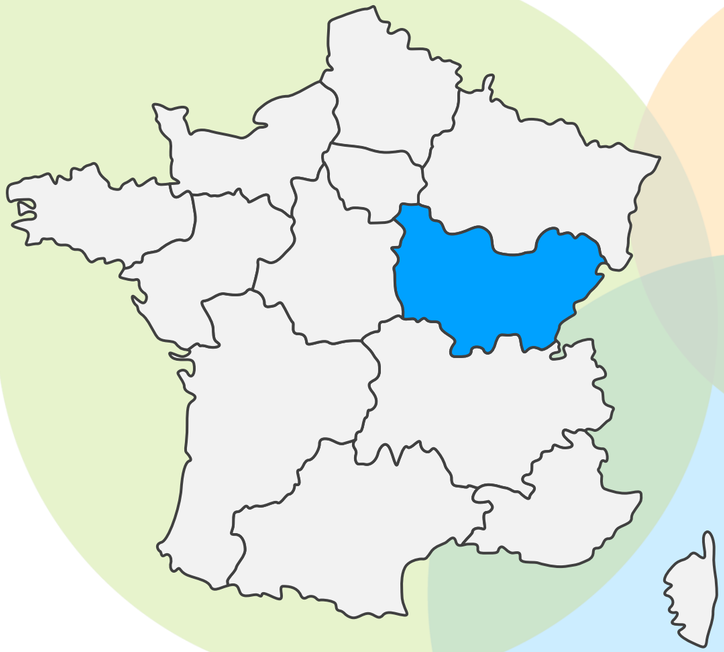

**BOURGOGNE FRANCHE-COMTE**

# INTHY

## OCTOBER 2024

"In July, **Q ENERGY**, (...) and **Inthy**, (...) signed a joint development partnership for an innovative hybrid renewable energy project in Burgundy, near **Dijon** [**Bourgogne Franche-Comté**]. The two companies have decided to pool their know-how and experience to commission a green hydrogen production facility by 2028 (...). The project is designed to help decarbonise the fleets of local authorities, the region´s heavy goods vehicles and local industrial processes. Covering a total area of 11 hectares, the project will bring together a 5 MW electrolyser (...) [with a production of up to] 2 tonnes of green hydrogen per day."

Source: Q ENERGY, Press Release, October 15

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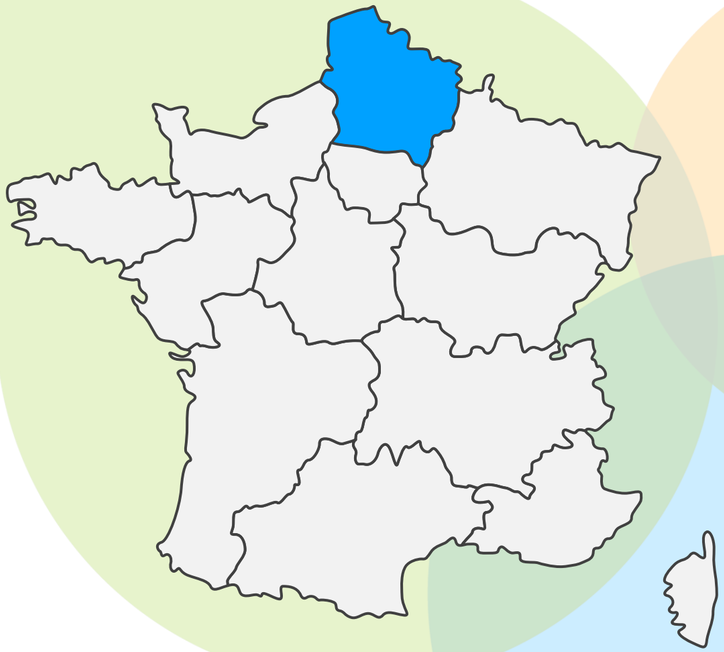

HAUTS-DE-FRANCE

GRTgaz

# OCTOBER 2024

“**GRTgaz** and **Fluxys** are joining forces to propose a hydrogen transmission infrastructure which will connect these major North Sea ports [**Dunkirk**, in the **Hauts-de France**, **Ghent** and **Antwerp** in Belgium]. This Call for Expressions of Interest is part of the first key stage of development of a hydrogen transport network project, which takes place in two main phases:

- An initial, non-binding phase, allowing needs to be qualified (...) to define the appropriate infrastructure. (...)
- [The definition of] the access conditions to structures and the conditions for carrying out works.

Source: GRTgaz, Press Release, October 16

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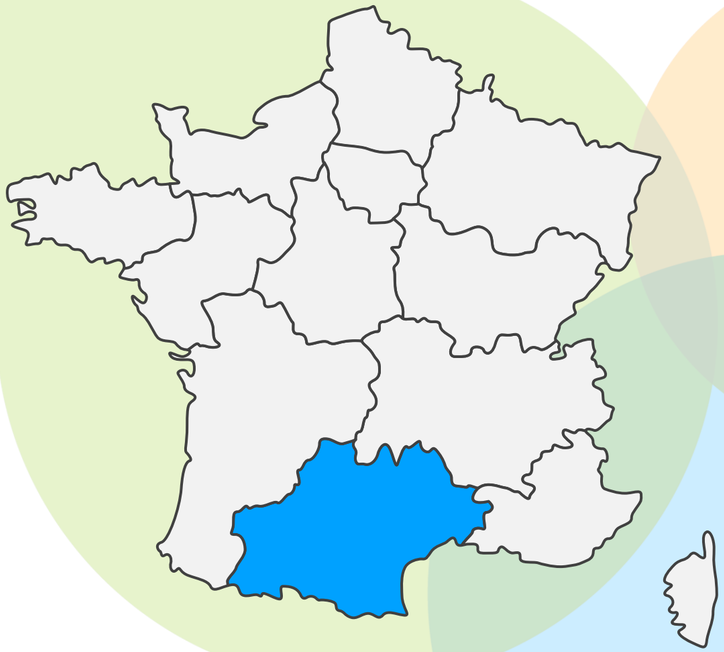

**OCCITANIE**

Terēga

# OCTOBER 2024

“A Memorandum of Understanding (MoU) was signed between the **Occitanie Region**, **DEME Concessions NV**, **Euroports** and **Teréga**. (...) The aim of the [partnership] is to develop port and logistics infrastructures in **Port-La Nouvelle** [**Occitanie**] dedicated to the future flows of clean molecules such as hydrogen, but also to those relating to $CO_2$, and other alternative fuels or low-carbon by-products (...) [to] transform the port of Port-La-Nouvelle into a platform for the import and export of hydrogen, $CO_2$ and low-carbon by-products. Eventually, hydrogen import capacity could reach 2 million tons per year.”

Source: Teréga, Press Release, October 16

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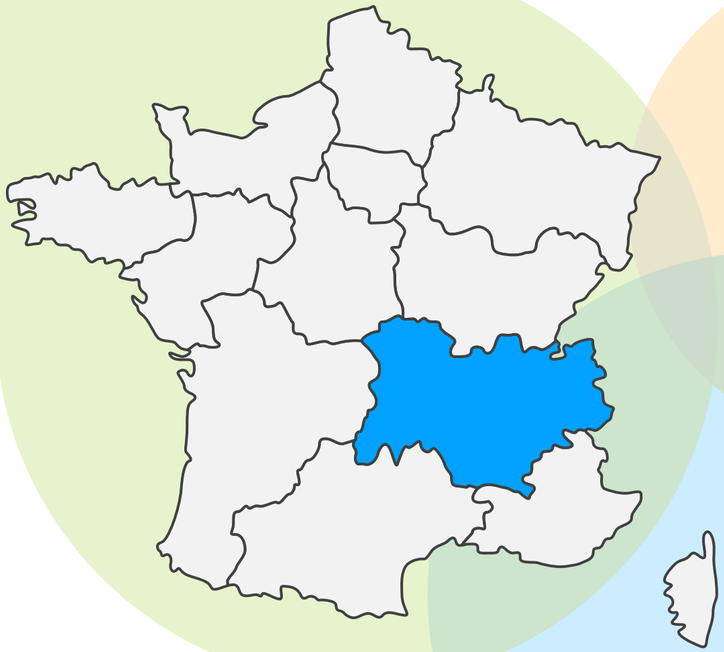

**AUVERGNE-RHÔNE-ALPES**

Lhyfe

# OCTOBER 2024

"**Lhyfe** is today officially starting construction of its green hydrogen production plant in **Le Cheylas** [**Auvergne-Rhône-Alpes**].(...) The site, which has been named Lhyfe Le Cheylas, was initially planned to have 5 MW of capacity producing up to 2 t/day, but instead, will have a production capacity of up to 4 t/day (i.e. an installed electrolysis capacity of 10 MW), right from its launch – planned early 2026. (...) Lhyfe has signed a ten-year sales contract with **HYmpulsion**, giving priority to supplying HYmpulsion hydrogen stations in the Alps, with a volume of 600 tonnes per year (i.e. around 1.6 tonne a day), over a total period of ten years."

Source: Lhyfe, Press Release, October 18

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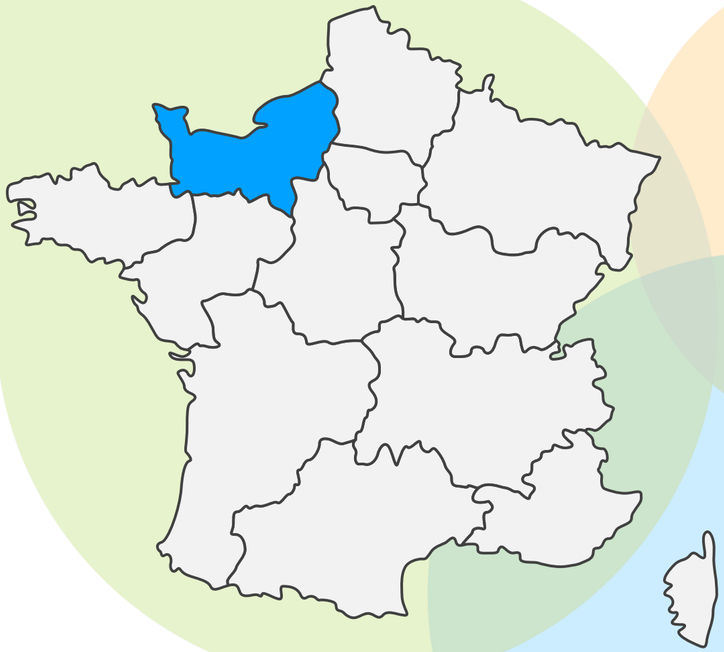

NORMANDIE

# OCTOBER 2024

“**BEA Alizay** and **VERSO ENERGY** are joining forces to study the feasibility of capturing biogenic carbon dioxide (...) emitted at the BEA Alizay site [**Normandy**], with a view to combining it with low-carbon hydrogen to generate sustainable fuels. (...) A $CO_2$ capture facility will be installed on the site where BEA Alizay currently operates a 180 MWt biomass boiler. (...) The installation will capture almost 95% of the annual emissions, i.e. over 300,000 tons of biogenic $CO_2$. (...) The biogenic $CO_2$ will be transported to Rouen’s industrial area to supply a sustainable fuel production site (...) developed by Verso Energy, scheduled for commissioning in 2029. ”

Source: BEA Alizay, Press Release, October 22

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**FRANCE**

French companies recipient of the **EU Innovation Fund for projects in France**:

- **EDF Renewables** | HYdrogen Offshore DunkerquE (**HYODE**) project (**Dunkirk**) | renewable hydrogen production by electrolysis, by offshore wind production
- **EODev** | **Energy Observer 2** project | development of a liquid hydrogen-powered vessel

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Source: European Commission, Press Release, October 23

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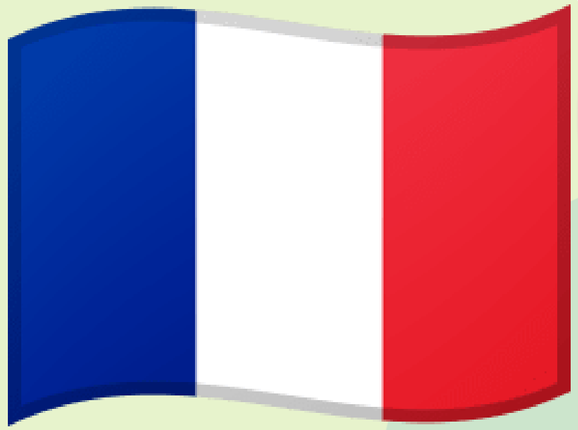

FRANCE

# OCTOBER 2024

“**Beyond Aero**, a pioneer in hydrogen-propelled electric aviation, announced a successful Series A funding round, securing an additional $20 million. Co-led by **Giant Ventures** and **Bpifrance** (the French Sovereign Fund) via its Deeptech 2030 fund, this round brings the company’s total capital raised to $44 million, inclusive of debt and grants. Other investors in this round include **Initialized Capital** (...), **Airbnb** and **Dropbox** founders Nate Blecharczyk and Arash Ferdowsi and several high-profile athletes.”

Source: Beyond Aero, Press Release, October 28

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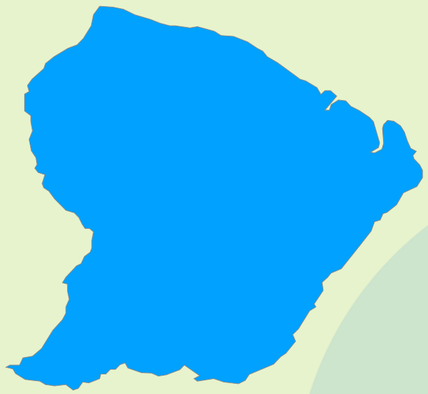

GUYANE

EKPO FUEL CELL TECHNOLOGIES

MITIS

# OCTOBER 2024

“**EKPO** delivered the first fuel cell stacks to Belgian system integrator **MITIS SA** (MITIS) in a multi-year development project. It is part of the **HYGUANE** project which targets the production of renewable and low-carbon hydrogen from electrolysis of water powered by a solar farm to fuel Ariane 6, H2 vehicles and power generators. The HYGUANE project aims to provide a full low-carbon hydrogen ecosystem, with the production of hydrogen from water electrolysis, for space propulsion (Ariane 6), mobility applications, decentralized power supply for **ESA** (European Space Agency) Europe's Spaceport in French Guiana.”

Source: EKPO, Press Release, October 29

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