

A conceptual illustration of a globe with a cutaway section. Inside the cutaway, there is a green landscape with several wind turbines and solar panels. In the foreground, there are several white hydrogen storage tanks or fuel cell units. The globe is set against a dark blue background with a crescent moon.

HDF Energy is starting operations in Germany to propose its hydrogen-to-power and power-to-power infrastructure solutions

Berlin, 15 November 2023 – HDF Energy (Hydrogène de France), a leading developer of large-scale green hydrogen infrastructure and high-power fuel cell manufacturer, announces the official launch of its operations in Germany, through the establishment of its subsidiary HDF Energy Deutschland GmbH, along with the opening of its local office in Berlin.

As Germany strives to achieve greenhouse gas neutrality by 2045, there is an urgent need to shift the energy sector's focus from fossil fuels to exclusive reliance on renewable energy sources, encompassing hydrogen. To bolster these ambitious goals, the German Federal Government has accelerated its decarbonization efforts in 2023. This includes revising its initial National Hydrogen Strategy and unveiling three national tenders with the aim of phasing out conventional fossil coal and gas power plants.

Headquartered in Bordeaux, France, HDF Energy has responded to this call by establishing its subsidiary **HDF Energy Deutschland GmbH** and a local presence in Berlin. Here, we are excited to introduce our cutting-edge readily available hydrogen infrastructure solutions tailored to meet the needs of the German market:

- **Hypower hydrogen-to-power plants:** Our multi-megawatt fuel cell power plants correspond to the “sprinter” concept in the EEG tender (§39p). They harness the potential of green hydrogen sourced from existing hydrogen infrastructure to produce clean peak-load electricity.
- **Renewstable power-to-power plants:** These large-scale facilities correspond to the “hybrid” concept in the EEG tender (§39o). They seamlessly integrate intermittent renewable energy sources with batteries and green hydrogen storage to generate firm and clean electricity on demand, day and night, providing 24/7 baseload, peak shaving or load-following power.

These infrastructures provide the same grid services as conventional thermal power plants, such as black start and island mode.

What's more, they incorporate HDF's multi-MW fuel cell systems, transforming hydrogen into clean electricity. Having undergone successful testing, these systems feature high-quality PEM stack technology and are set to be mass-produced at the company's French factory starting in mid-2024—an unprecedented achievement on a global scale.

Backed by a team of hydrogen infrastructure experts with a decade of hands-on technical experience spanning the entire value chain, HDF Energy has already built an important portfolio of hydrogen infrastructure projects worldwide. Notably, our groundbreaking CEOG plant, the first green hydrogen power plant to reach financial closing, is currently under construction in French Guiana with Siemens Energy as EPC.

HDF Energy is actively forging partnerships with key players in Germany's hydrogen economy, including hydrogen producers and renewable asset developers/operators to jointly present competitive proposals for the forthcoming national hydrogen power plant tenders.



"We are thrilled to announce the launch of HDF Energy's operations in Germany," stated Gilles Boudier, HDF Energy's Director for the EMEA region. "Our mission is to deliver game-changing hydrogen solutions in alignment with Germany's National Hydrogen Strategy. Germany's commitment to greenhouse gas neutrality perfectly aligns with our vision, and we eagerly anticipate collaborating with local partners to facilitate the country's energy transition and foster local job opportunities."

We will be exhibiting at the [European Hydrogen Week](#) in Brussels from November 20 to 23 (booth C110, hall 11). Join us to further exchange on our hydrogen infrastructure solutions.

ABOUT HYDROGÈNE DE FRANCE (HDF Energy)

HDF Energy is a leading global player in the hydrogen industry, dedicated to developing large-scale hydrogen infrastructure and advanced multi-megawatt fuel cell technology. Its primary focus lies in decarbonizing the power, heavy mobility and industrial sectors with cutting-edge H2 solutions.

With its flagship model, the Renewstable® turnkey hydrogen power plant, HDF Energy delivers green, stable, and baseload power by seamlessly integrating intermittent renewable energy sources with substantial on-site energy storage in the form of green hydrogen. Backed by a team of hydrogen infrastructure experts with a decade of hands-on technical experience across the entire value chain, HDF Energy has already built an important portfolio of projects in advanced stages of development.

Furthermore, HDF Energy stands out with its technological know-how in the development of multi-MW fuel cells. In 2024, the Group will start mass production at its state-of-the-art factory near Bordeaux. HDF Energy's fuel cells will be integrated into hydrogen power plants, freight locomotives and vessels.

Headquartered in France, HDF Energy has regional offices in Latin America, the Caribbean, Asia, Africa, and Oceania with 30+ nationalities among its staff. Since 2021, the Group has been listed on the Euronext Paris stock market, member of the Euronext Tech Leaders segment.

More information about **HDF Energy** here:

www.hdf-energy.com

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