

Driving Widespread Access to Hydrogen Mobility: Atawey Achieves Legal Metrology Certification

ata'metrics

Amid an industrial acceleration phase, Atawey has reached a major milestone, enabling it to ensure precise measurement of the amount of hydrogen dispensed during refueling at its stations.

This essential advancement supports the company's ongoing production of its first four high-capacity stations, each capable of delivering more than one ton of hydrogen per day.

Paris, December 18, 2024

As Atawey ramps up its industrial acceleration phase — with the production of four hydrogen refueling stations, each with a capacity of over one ton of hydrogen per day — the company has reached a significant milestone: the certification of its legal metrology system. This industrial innovation allows for precise measurement of the amount of hydrogen dispensed with each refill, ensuring accurate billing for users. This advancement, which complies with European Alternative Fuels Infrastructure Regulations (AFIR) and national standards, paves the way for the democratization of hydrogen refueling stations, making them accessible to all hydrogen vehicle drivers.

Legal Metrology Certification: A Guarantee of Reliability and Transparency for Users

After several months of collaboration with the National Laboratory of Metrology and Testing (LNE), Atawey has officially obtained certification for its ata'METRICS legal metrology system. This high-precision device, capable of measuring the amount of hydrogen dispensed with a resolution of 10 g and an accuracy of 2%, meets French regulatory requirements based on the international OIML R139 recommendation. This technological breakthrough was made possible through collaboration with Cesame Exadébit, a gas flow metrology laboratory equipped with COFRAC-accredited test benches.

The result: Atawey's hydrogen refueling stations will enable transparent and precise billing for every fill-up, offering a level of accuracy comparable to that of conventional fuel stations.

« Collaborating with expert partners such as LNE and Cesame Exadébit was crucial in achieving this level of excellence and advancing our technological edge. For the sector, this certification demonstrates that hydrogen mobility is a tangible reality. For users, this certification means one simple thing: paying exactly for what they consume, with the same confidence as with a traditional fuel refill, says Guillaume Havard, » Product Manager for R&D at Atawey.

Hydrogen Sector Democratization: Atawey is Ready!

With an estimated 89,000 hydrogen-powered vehicles registered worldwide in 2024¹, Atawey positions itself as a key player and driving force in technological transition. With reliable, high-performance stations that meet international standards and regulatory requirements such as AFIR — now bolstered by this legal metrology certification — the manufacturer is opening the door to the deployment of public hydrogen refueling stations. One notable example is the Arv'Hy project in

¹ Hydrogen Mobility Deployment Barometer 2024, published by the Pôle Véhicule du Futur.

France. These stations, designed to meet the needs of intensive mobility (both captive fleets and transit users), will become essential infrastructure for open access to hydrogen mobility.

To support this increased production rate, Ataway launched an ambitious industrialization program earlier this year, aiming to standardize the modules integrated into its stations. This modular, configurable approach is based on the design and production of serially manufactured modules that are then integrated into all its stations.

« The standardization of our stations is a direct response to the sector's main challenge: rapidly deploying secure, reliable, and high-performance infrastructure. This industrial vision enables us to make hydrogen mobility viable on a large scale, » comments Pierre-Jean Bonnefond, co-founder and CTO of Ataway.

Through this strategy, Ataway's stations combine flexibility with efficiency. Each module can be configured according to the specific needs of clients while benefiting from the robustness and reliability of a proven system. Among these modules, the legal metrology system is a key component.

ABOUT ATAWAY

To support Europe's energy transition and the decarbonization of various applications, Ataway, a European leader in hydrogen refueling stations, collaborates with project developers to accelerate the adoption of hydrogen mobility. Leveraging its technological expertise built on a portfolio of over 50 installed stations, its industrial know-how, and the dedication of its teams, the company offers tailored solutions through:

- . Services and support closely aligned with customer needs,
- . One of the most comprehensive ranges of high-performance, modular hydrogen stations on the European market.

AT A GLANCE:

150 employees

+50 H2 stations installed

2023 Turnover: 8,5M €

Offices in 3 countries

Ataway operates two production facilities in France, with a total production capacity of 80 stations per year. The company also has several test zones that enable rapid market deployment of its stations. Ataway is expanding internationally through its subsidiaries in Spain and the Benelux region.

Contact:

Lucie Lagarde | l.lagarde@ataway.com | +33 6 18 83 84 29

ABOUT LNE

The LNE provides companies, industries, institutions, and local authorities with the technical solutions they need to address their challenges in innovation, performance, and competitiveness.

Its expertise spans research, consultancy, and innovation services, as well as metrology, testing, certification, and training.

Since 2005, the LNE has been leading the French National Metrology Network (RNMF), which is composed of 10 laboratories, and ensures the continuity of national measurement standards. As a designated body in legal metrology, the LNE helps companies demonstrate the compliance of measurement instruments used in commercial transactions, as well as in operations involving health, environmental protection, or the safety of people and property.

The LNE's priority areas of application include the digital economy, health and citizen safety, industrial competitiveness, and the ecological transition.

With a workforce of 1,000 employees, the LNE extends its expertise internationally through its subsidiaries located in America, Asia, and the United Kingdom.

ABOUT CESAME EXADÉBIT

Cesame-Exadebit is a gas flow metrology laboratory that has been providing calibration and regulatory verification services for industrial gas flowmeters and natural gas network meters for over 35 years.

For the past 15 years, the company has also been one of the laboratories associated with LNE — the French national metrology institute — in this area of expertise. As part of this mandate, its mission is to maintain and develop the national reference standards for gas flow metrology and to participate continuously in international metrology research programs under the auspices of EURAMET and BIPM.

Building on this commitment, the company has, in recent years, developed mobile reference measurement systems for the calibration of hydrogen dispensers used to refuel vehicles. These systems comply with the OIML R139 recommendation and French regulations. Cesame-Exadebit is currently the only company in Europe accredited to ISO 17025 for this activity.

Since 2023, the company has also been recognized as a Designated Body for conducting regulatory verifications of hydrogen dispensers. Additionally, with its advanced testing facilities, it now has the capability to perform Factory Acceptance Tests (FAT) and Site Acceptance Tests (SAT) for the safety and performance of these hydrogen dispensing systems.

Contact : cesame@cesame-exadebit.fr

