



Project supported by the Clean Hydrogen Partnership



CertifHy® accelerates the use of renewable and low-carbon hydrogen certificates and launches new website

BRUSSELS, January 11, 2022

CertifHy® is proud to announce the launch of its newly redesigned website available at

<https://www.certifhy.eu/>

The new, user-friendly modern site provides easy access to essential information that will help every market player (producers, consumers, traders, issuing bodies, regulators or hydrogen focused institutions) to go through the process of hydrogen certification, so that they can issue and receive immediate and lasting value from CertifHy® Guarantees of Origin (GOs).

"Our primary goal was to create a more valuable, user-friendly, and responsive platform for our customers. We are now ready to go live with CertifHy® GO certification for labeled green or low carbon hydrogen. Market participants can now issue, trade and use CertifHy® GOs to meet their environmental objectives and positively impact their corporate GHG emissions reporting," said Wouter Vanhoudt, project leader of CertifHy® as well as Head of Business Development & Global Marketing for Hiniicio, the company who is coordinating the project.

Bart Biebuyck, Executive Director of the Clean Hydrogen Partnership also added: *"We are thrilled to see that a project we started financing back in 2014 has had such an impressive impact and its results are feeding the harmonisation of Guarantees of Origin Schemes for Hydrogen across Europe and beyond. We are looking forward to the expansion of the scope of certification to renewable fuels of non-biological origin; that will allow to further improve the market value of green hydrogen and support its business case."*

Hydrogen is widely used in various industrial applications and in transport, and will play an important role in Europe's future low-carbon energy mix. CertifHy® GOs will support hydrogen's market growth as they are a reliable tool for consumers to track hydrogen's origin and environmental attributes.

The CertifHy® GO scheme was tested successfully during a pilot phase carried out in collaboration with four hydrogen production plants: Air Liquide's Steam Methane Reformer in France, Nobian's Chlor Alkali plant in the Netherlands, Colruyt's Water Electrolysis in Belgium and Uniper's Windgas project in Germany.

"Nobian is the front-runner in using CertifHy® for the certification of Green Hydrogen from our Chlor-Alkali plants. We believe that CertifHy® GOs reinforce the added value of Green Hydrogen for our customers in Mobility and Chemistry by fulfilling five essential principles: Traceability, Trackability, Tradability, Transparency and Trustworthiness." said Dr. Jürgen Baune, Vice President Chlor-Alkali at Nobian.

In total, 85,000 CertifHy® GOs of green and low carbon hydrogen have been issued in Europe by the scheme participants during this pilot project and afterwards.

CertifHy® GOs are a tradable product between market players, as they enable trading the environmental attributes of hydrogen, irrespective of the physical delivery of molecules. This is a key feature of all GOs, known as the Book & Claim model.

ACT completed the first transaction between a provider and an end customer this July. This transaction highlighted ACT's history as a pioneer in emerging markets. ACT sees this landmark transaction in renewable hydrogen as the start of a significant trend in energy markets. ACT is a leading global provider of market-based sustainability solutions headquartered in Amsterdam with offices in New York, Paris, and Shanghai. *"We are interested to see the full potential of the hydrogen certificates market," said Mario Russi, Senior Operator Certificates at ACT. "We look forward to helping accelerate this market in collaboration with CertifHy®."*

Next steps

CertifHy®'s further developments include the extension of the CertifHy® GOs' scope outside of Europe as well as the development of an EU Voluntary Scheme for the certification of hydrogen as RFNBO (Renewable Fuel of Non-Biological Origin) according to the European Renewable Energy Directive (recast).

Next to the voluntary market, RFNBOs will be the key driver for the development of the hydrogen market in the transport sector and in the industry, incentivized by regulatory targets and national legislations. By showing compliance with the EU criteria through specific certification schemes such as CertifHy®, economic operators will be able to capture the premium value of the renewable hydrogen they produce and supply

Therefore, CertifHy® invites every market player interested in mapping market needs or in developing the RFNBO Voluntary Scheme to contact us and join the CertifHy® Stakeholder Platform at <https://www.certifhy.eu/stakeholder-platform/>.

About the Clean Hydrogen Partnership

The Clean Hydrogen Partnership—the successor of the Fuel Cells and Hydrogen Joint Undertaking (FCH JU)—aims to accelerate the development and improvement of advanced clean hydrogen technologies. It builds on 13 years of cooperation between public and private sectors through the FCH JU to help innovative technologies graduate from the experimental phases to be exploited by industry, businesses and consumers for the benefit of Europe. The three members of the partnership are the European Commission, fuel cell and hydrogen industries represented by Hydrogen Europe and the research community represented by Hydrogen Europe Research.

About CertifHy®

CertifHy® has been initiated at the request of the European Commission and is financed by the Fuel Cell and Hydrogen Joint Undertaking (FCH JU). CertifHy® is conducted by the CertifHy® Consortium, which is led by HINICIO and composed of GREXEL, Ludwig-Bölkow-Systemtechnik (LBST), AIB (Association of Issuing Bodies), CEA (Commissariat à l'énergie atomique et aux énergies alternatives) and TÜV SÜD.

About AIB

AIB represents European certificate system administrators, and is the leading enabler of international energy certificate schemes throughout Europe, and in particular those relating to guarantees of origin under Directives 2009/28/EC and 2012/28/EC. The AIB has developed, uses and promotes a standardised system: the European Energy Certificate System - EECs – which ensures the reliable operation of international certificate schemes. These schemes satisfy the criteria of objectivity, non-discrimination, transparency and cost effectiveness in order to facilitate the international exchange of certificates. In order to further facilitate the international exchange between of energy certificates, the AIB operates an inter-registry telecommunications Hub. The AIB also provides a knowledge centre for energy certificate authorities across Europe, providing and sharing advice and guidance.

About CEA

The CEA is a key player in research, development and innovation in four main areas: defense and security, low carbon energies (nuclear and renewable), technological research for industry, fundamental research in the physical sciences and life sciences.

About Grexel

Grexel is the leading European energy certification service provider. Customers are authorities and other organizations who facilitate energy certification and energy certificate markets. Grexel provides services to help their customers to create rules and processes and equip them with a central registry system, the heart of every environmental commodity market. Issuing bodies in 10 countries rely on Grexel's technology 365x24. The transaction volume in registries provided by us is over one billion MWhs a year with over 30 % of RES-e production of Europe is issued in registries provided.

About Hinicio

Hinicio is a strategy consulting firm focused on sustainable energy, covering renewable energy technologies, fuel cells and hydrogen, smart energy storage, energy efficiency and clean transport technologies. Hinicio is built with a multinational team of engineers, economists, environmentalists, and policy experts in sustainable energy active in Europe and Latin America. The company's headquarters are located in Brussels.

About LBST

Ludwig-Bölkow-Systemtechnik GmbH (LBST) is an expert consultant for sustainable energy and mobility. Focus areas include renewables, energy storage, hydrogen and fuel cells, infrastructure modelling, fuels and drives, and sustainability analysis.

With its expertise bridging technologies, markets, and policy LBST supports international clients from industry, finance, politics, and non-governmental organisations in strategy, feasibility, and market assessments. Its cutting-edge competence is based on over three decades of continuous experience, and on the interdisciplinary team of leading experts.

About TÜV SÜD

TÜV SÜD is one of the world's leading technical service providers of testing, inspection, certification and training solutions with the strategic business segments industry, mobility and certification. The experts of TÜV SÜD Industrie Service boast longstanding experience in safety of fuel cell engineering and hydrogen technology (e.g. filling stations). The group Carbon Management Service (CMS) has more than ten years of experience in the area of greenhouse gases, renewable energy and certification.



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