

Press Release



Air Liquide's "Trailblazer" electrolysis plant

First Successful ISCC EU RFNBO Certification Audit by DEKRA Certification

DEKRA Certification GmbH has successfully conducted the first ISCC EU RFNBO certification audit at Air Liquide Germany's Oberhausen site – marking the first-ever RFNBO certification in accordance with the 37th BImSchV. The audit certified the production of renewable hydrogen from the 20-megawatt "Trailblazer" electrolysis plant. This plant utilizes renewable energy sources for hydrogen production and represents a key milestone for the energy transition and the decarbonization of industrial processes.

This certification confirms that the hydrogen produced in Oberhausen meets the sustainability criteria for Renewable Fuels of Non-Biological Origin (RFNBOs). It is a crucial step in scaling up the market for renewable hydrogen and its application in industry, mobility, and energy storage.

Official Recognition by the European Commission

The significance of ISCC EU certification was recently emphasized by the European Commission. Effective from December 19, 2024, ISCC EU has been officially recognized as a voluntary certification system for RFNBOs, Recycled Carbon Fuels (RCFs), and forestry biomass. This recognition marks an important step toward ensuring sustainable energy carriers and achieving climate targets.

High Relevance for the Energy Transition

Renewable hydrogen plays a central role in the future energy system. It can replace fossil fuels in various applications and significantly reduce CO₂ emissions in energy-intensive industries and the mobility sector. The electrolysis technology used in Oberhausen demonstrates how renewable hydrogen can be produced on an industrial scale in an economically and environmentally sustainable way.

Date Stuttgart, 09.04.2025 / Nr. 027
Contact Tilman Vögele-Ebering
Phone +49 711.7861-2122
Fax +49 711.7861-742122
Email tilman.voegle-ebering@dekra.com

DEKRA e.V.
Corporate Communications
Handwerkstraße 15
D-70565 Stuttgart
www.dekra.com

Dr. Rolf Krökel, Managing Director of DEKRA Certification GmbH, explains:

"The successful RFNBO certification of Air Liquide's 'Trailblazer' electrolysis plant in Oberhausen, based on the ISCC EU system, proves that the energy transition is not just a vision but a reality. Renewable hydrogen can be produced and certified according to the highest sustainability standards – and this transparency is key to market acceptance. With our expertise, we ensure that companies not only comply with European regulations but also actively shape the future of climate-friendly energy supply."

DEKRA Certification GmbH Recognized as a Certification Body

By official notice dated February 24, 2025, the German Environment Agency has granted DEKRA Certification GmbH provisional recognition as a certification body for RFNBOs. This recognition was a crucial prerequisite for successfully conducting the ISCC EU RFNBO certification audit at Air Liquide Germany's Oberhausen site. The recognition applies to the scope of the revised 37th Ordinance for the Implementation of the Federal Immission Control Act (37th BImSchV) and is valid internationally.

The recognition of DEKRA Certification GmbH as a certification body highlights the importance of sustainable certification processes for the energy transition. It ensures compliance with Directive (EU) 2018/2001 (RED II) and Delegated Regulations (EU) 2023/1184 and 2023/1185. Companies relying on RFNBOs and RCFs now have a reliable basis for integrating these climate-friendly energy carriers into the market. This enables a smooth transition of the energy system and provides planning security for all stakeholders.

For more information:

- https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=OJ:L_202403176
- <https://www.iscc-system.org/updates/02-january-2025/>
- <https://www.dekra-certification.de/de/zertifizierung-nach-iscc-eu/>
- <https://www.dekra-certification.de/de/anerkennung-als-zertifizierungsstelle-fuer-rfnbos/>

About DEKRA

For 100 years, DEKRA has been a trusted name in safety. Founded in 1925 with the original goal of improving road safety through vehicle inspections, DEKRA has grown to become the world's largest independent, non-listed expert organization in the field of testing, inspection, and certification. Today, as a global partner, the company supports its customers with comprehensive services and solutions to drive safety and sustainability forward—fully aligned with DEKRA's anniversary motto, "Securing the Future." In 2024, DEKRA is expected to generate revenue of 4.3 billion euros. Around 48,000 employees are providing qualified and independent expert services in approximately 60 countries across five continents. DEKRA holds a Platinum rating from EcoVadis, placing it among the top 1% of the world's most sustainable companies.