OPIS Europe Hydrogen



Designed to cater to the diverse data needs of the green hydrogen industry in Europe.



Market Challenge

The green hydrogen market is on the cusp of a remarkable expansion, growing from less than 1 million tons per year today to hundreds of millions of tons per year by 2050. A reliable hydrogen price benchmark that is focused on the carbon intensity of hydrogen and takes into account the UK Low Carbon Hydrogen Standard and the EU Delegated Acts on Renewable Hydrogen is critical to developing efficient commodity markets that help reduce greenhouse gas emissions and achieve net zero.

How We Help

OPIS has introduced the *Hydrogen Cost Price Index* as part of the OPIS Europe Hydrogen Report, a comprehensive information service tailored to the diverse data requirements of the green hydrogen industry in Europe. The service includes three vital reports that empower industry stakeholders:

Price Report: Detailed pricing intelligence ahead of a fully-traded hydrogen market. This report presents the full and marginal cost of producing a unit of hydrogen in the United Kingdom, Netherlands and Germany, enabling subscribers to compare and monitor the cost of high-carbon, low-carbon, and zero-carbon hydrogen over time.

Projects and Policies Tracker: A comprehensive compilation of data highlighting new project and policy announcements within the Northwest European hydrogen sector in a user-friendly format. This invaluable resource keeps subscribers informed about the latest developments in this rapidly evolving industry.

Quarterly Executive Summary: A concise overview of the Hydrogen Cost Price Index trends for each quarter, providing a valuable snapshot of the market for busy executives. The report will also shed light on the dynamically evolving Northwest European hydrogen project and policy landscape.

Key Pricing Features:

Offers low-carbon and zero-carbon hydrogen prices that take into account UK and EU regulations.

Utilizes real-time data from Power Purchase Agreements (PPAs), renewables auction pricing, carbon capture, and market electricity prices to calculate the prices of low and zero carbon hydrogen.

Facilitates comparisons between prices of low and zero carbon hydrogen and traditional high-carbon hydrogen.

Assesses prices for different hydrogen production technologies, including electrolyser (Alkaline, PEM, SOE) and reformer [SMR, ATR] technologies.

Considers both the full cost and marginal cost of production when determining prices.

Evaluates prices in the key emerging European hydrogen markets, specifically the United Kingdom, Netherlands, and Germany.

Publishes price assessments as part of the OPIS Europe Hydrogen Report, consisting of three reports that keep industry players informed about the rapidly evolving Northwest European hydrogen project and policy landscape.

Benefits:

- ✓ Compare and track hydrogen production costs across multiple production pathways, allowing you to monitor the cost of high-carbon, low-carbon, and zero-carbon hydrogen over time.
- ✓ Stay up-to-date with the latest project and policy announcements in the Northwest European hydrogen space.
- ✓ Understand big-picture developments in the hydrogen market with a concise overview of the quarter's price, policy and project trends.
- ✓ Publishing Schedule: The Price Report and the Projects & Policy Tracker report of the OPIS Europe Hydrogen Report are published monthly on the first Tuesday of the month. The Quarterly Executive Summary is published on the second Tuesday of the quarter.

Request a demo

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