Clean Energy Technology



S&P Global
Commodity Insights

Introducing CSM+ | Enhanced commercial model, simplified offering—limitless insights

At S&P Global Commodity Insights, we strive to unlock limitless insights throughout your organization by simplifying access to our information and encouraging collaboration. Our customer-centric service model, CSM+ is a one-stop-shop providing the data, content, and tools you need in one enterprise-wide contract.

Our Clean Energy Technology CSM+ package provides extensive coverage of clean energy solutions, from technologies to grid-based solutions, together with price insights to assess costs and opportunities. Key insights comprise analytics around mainstream and emerging clean energy technologies, including batteries and energy storage, hydrogen and renewable gas, solar PV, onshore and offshore wind, and carbon sequestration, as well as lighter coverage of other clean technologies (CSP, Geothermal, Heat Pumps, SMR). This package also supports your clean energy procurement strategies with Power Purchase Agreement (PPA) pricing insights.

Overview

Geographic coverage — Global

Licensing — Enterprise-wide access

Content package options — Market Data, Market Insights, Risk Market Data

History — Price history initiated in 2018, Mainstream tech forecast to 2035, Hydrogen and Carbon Sequestration Forecast to 2050, Forward curves extend up to 240 months

Market Data

Get industry benchmark price assessments, underpinned by robust, and transparent methodologies.

You get:

- Market-first hydrogen and ammonia price assessments
- Renewable Energy Certificates
- Renewable capture price indices
- Historical data

Market Insight

Get access to real-time updates, breaking news, analysis, forecasts, fundamental data, and tools.

You get:

- Real-time alerts and market heards
- Industry news and analysis
- Market commentary
- Data and reports covering cleantech costs, technology, policy, companies, supply chain, capacity, investment outlooks
- PPAs
- Analytical tools

Risk Market Data

Get editorially assessed and quantitatively derived forward curves data and visualization for key trading hubs.

You can:

- Forward curve assessments of the global ammonia market, up to 24 months
- Mark-to-market your portfolio to determine profit and loss
- Calculate key risk metrics such as Value-at-Risk
- Validate internally derived curves
- Manage counterparty credit exposure and collateral requirements

Data and distribution

Get the edge in today's global markets with our Essential Intelligence® delivered through the providers and platforms which suit you.

Desktop & mobile

Cloud

Data feed

API solutions

Markets covered:


Hydrogen & Ammonia


Solar PV


Onshore & Offshore Wind


Batteries and Energy Storage


Power Purchase Agreements


Carbon Sequestration


Environmental Markets

Commodities	Platts price coverage
Hydrogen	- Cost of production across various technologies globally - Carbon neutral hydrogen - Implied origin certificates - Pump prices
Ammonia	- Ammonia (traditional production) - Renewable power derived ammonia
Renewable Energy Certificates	- International RECS - Regional RECs - Guarantees of Origin - European Biomethane certificates - Methane Performance certificates
Renewables	- Renewable capture price indices

Key service highlights

- Market first for hydrogen, ammonia and renewable energy price assessments.
- Ammonia forward curves to manage and hedge risk in new markets.
- Data, analytics and market insights on the mainstream and emerging clean technologies shaping the energy transition.
- Granular cleantech supply chain analysis.
- Cleantech capacity and investment outlooks.
- PPA insights and forecasts.

Key market insights

- **Hydrogen Daily:** The first of its kind, bringing you key global hydrogen price assessments, hydrogen news, insights, and ammonia price assessments.
- **Hydrogen Market Monitor:** Covers supply and demand fundamentals with data on key markets, regulatory challenges, and production. Includes editorial content and news.
- **Clean Energy Technology:** In-depth coverage of technology evolution, policy, supply chain, economics and outlooks for batteries and energy storage, carbon sequestration, hydrogen and renewable gas, solar and wind, and other clean technologies.
- **Clean Energy Technology Analytics:** Premium, integrated dashboard covering data on policies, costs (LCOE, CAPEX), market outlooks, supply chain, and over 135,000 projects across technologies.
- **Clean Energy Procurement:** Insight, analytics, and data uniquely tailored for companies seeking to procure clean energy.

How customers are using our data and insights

Oil & Gas: Assess the technologies that will help decarbonize their operations, develop strategies to reach net-zero targets, identify new market opportunities early and prioritize business development activities.

Power & Utilities: Monitor existing technology, new technologies in development in order to determine strategic positioning and portfolio mix.

Equipment Manufacturers: Assess the demand for equipment; obtain large and detailed lists of announced, planned, under construction or operating projects; and conduct competitor positioning analysis.

Component & Material Suppliers: Assess TAM and strategically target customers based on market share rankings, plus identify key stakeholders to develop business pipeline.

Renewable Project Owners & Developers: Assess cleantech project investment viability based on coverage from CAPEX, LCOEs, PPAs.

Risk Managers at Clean Energy Trading Desks: Model prices, forecast trends and calculate key risk metrics to hedge risk in new markets.

Sustainability Director: Reduce emissions through investing in clean energy and utilizing PPAs to meet lower scope 2 emissions.

Why choose this service

- Get invaluable insight into transparent hydrogen and ammonia production price assessments for both traditional and renewable methods.
- Understand clean energy tech market fundamentals, drivers, and challenges
- Anticipate market and technology turning points
- Understand technology supply chain trends and component costs
- Integrated database allows easy screening of company portfolios, project pipelines, and technology trends
- Assess effects of policy and regulatory changes on technology business models
- Determine the fair value of PPAs and market factors driving prices
- Visualize clean energy procurement options by market
- Monitor policies, clean technologies, renewable power penetration to optimize your corporate strategy
- Estimate, model and compare associated costs of clean energy solutions to spot arbitrage opportunities.



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