Biorefinery Cost & Margin Analytics



S&P Global
Energy

In the drive towards a sustainable bioeconomy, companies aim to promote environmentally friendly and economically viable biorefinery systems. Yet, understanding global biorefinery competition requires complex calculations and a deep knowledge base. Companies spend considerable time collecting and analyzing data on macroeconomic trends, cost factors and supply-demand dynamics to assess competitiveness and boost profitability.

The Biorefinery Cost & Margin Analytics tool, powered by S&P Global Energy, addresses these challenges by providing a user-friendly way to benchmark the global biorefinery industry. Utilizing extensive knowledge and robust data, it allows companies to explore cost and margin variations based on geography, production capacity and integration approaches. This tool empowers companies to assess biorefinery performance, identify opportunities for rationalization and evaluate potential acquisitions.

Questions our tool can help answer

- How can I benchmark performance of the biorefinery industry over time?
- What is the position of our biorefineries versus our competitors or acquisition targets?
- How can I identify weak-performing biorefineries that are at risk of rationalization?
- How have companies performed historically and how will they perform in the future?

Key Features:

- Comprehensive biorefinery cost and margin data for 100+ biorefineries in 30+ markets covering nearly 100% of the live global capacity. Ensuring your simulations are based on a wide range of real-world data.
- Quarterly cost and margin forecast up to 2030, providing a comprehensive view of past trends and future projections, helping to identify long-term patterns and opportunities.
- In-depth analysis of biorefinery profitability metrics including by-product credits, net margin, feedstock costs and more. It delivers that complete financial picture, enabling a deeper understanding of what drives profitability in your operations.
- Insightful operational metrics such as biorefinery level margin comparison and level cost and margin curves. Helping you understand how different variables impact your biorefinery's efficiency and profitability.

How do our clients use the Biorefinery Cost & Margin Analytics tool?

Biorefinery Benchmarking

- Evaluate the competitive position of existing assets locally, regionally, or globally.
- Review cost and margin estimates for competing assets by location and technology.

Portfolio Improvement

- Understand risk and exposure to feedstock price fluctuations.
- Assess relative competitiveness of future hypothetical assets.

Capital Investment Evaluation

- Calculate gross and net margins of new capital investments.
- Enhance the precision of investment metric calculations.

Using an interactive, Power BI dashboard that calculates production costs and margin estimates by biorefinery or region, you can:

1. Evaluate Long-Term Competitiveness of a Biorefinery

Whether assessing the position of an existing operating biorefinery or determining the viability of a new investment, the Biorefinery Cost & Margin Analytics tool provides the full functionality required to effectively perform longer-term strategic analysis and benchmark the competitive position of biorefineries. Users can select different regions and biorefineries to view a complete analysis.

- Understand the impact of market fluctuations up to 2030.

2. Calculate the Impact of Market Changes on Cost and Margin Performance

With production costs and net margins on a quarterly basis, you can evaluate and compare biorefinery performance in the near term and long term, as well as review historical performance. The curves include expected capacity additions in line with our supply/demand balances.

- Compare multiple time periods to understand the longevity of a market change and assess the impact of capacity additions.

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