

Brazil's Biofuels Industry: Outlook for a Global Leader A Multiclient Study

Brazil is a global leader in ethanol production, with ambitions to dramatically expand into biodiesel and other fuels from biomass. Brazil is unique among major producing countries due to its long history of fuel ethanol use and the extent of its supporting infrastructure. For these reasons, Brazil's biofuels industry is a focus for conventional and renewable energy stakeholders, who are interested in developing commercial opportunities, technology developments, and insights into this major market.

The Brazilian biofuels industry is vibrant with a strong new focus on reaching significant biodiesel production goals, supported by biodiesel feedstock imports as required. Brazil is also making significant contributions to next generation biofuels technology such as the hydroprocessing of natural oils in refineries (Petrobras' H-Bio process) and conversion of waste cellulosic substrates (in particular sugarcane bagasse) to ethanol.

Nexant will undertake this study in conjunction with Expetro, a Brazilian consultancy with extensive experience in the domestic biofuels industry, with the goal of providing stakeholders with the following:

- An understanding of feedstock options and issues
- An independent assessment on the direction of technology developments
- An analysis of the competitive position of Brazilian biofuels relative to other major producing countries
- An understanding of Brazil's policy and regulations including an assessment of possible trends and changes over the next decade
- An understanding of the Brazilian biofuels industry from both a local and global perspective, covering investments, research, and strategy
- Insight into the direction of the biofuels market in Brazil and the role of sugarcane and ethanol over the next decade

The strengths, issues, and outlook for the Brazilian biofuels industry are of interest to all players in the global industry.

This study supplemented Nexant's landmark study, *Liquid Biofuels: Substituting for Petroleum*, which provided a global assessment of biofuels technologies and markets. Nexant and Expetro have expanded on this study by developing an in-depth analysis of Brazil's biofuels industry for the coming decade.

REPORT OVERVIEW

Nexant's study, *Brazil's Biofuels Industry: Outlook for a Global Leader*, assesses the technical, commercial and policy status of existing and anticipated biofuel and biofuels-related activities in Brazil. The study has drawn conclusions on opportunities and challenges in the industry. It forecasted changes to come, considering critical elements of the Brazilian biofuels supply chain. The study examines related markets, such as flexible-fuel and dedicated ethanol vehicles, and distillers grains. It will also profile Brazil from a global perspective, highlighting local opportunities as well as key issues for companies considering investment options worldwide.

This study was completed in December 2008. The cost is US\$12,000.00 (twelve thousand U.S. dollars).



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