The Future of Jet Fuel and Sustainable Aviation Fuel

Post-COVID recovery, long-term outlook to 2050, decarbonization impacts, sustainable aviation fuels, and new technology and players

Multi-Client Study Prospectus



440 COBIA DR • STE 1704
HOUSTON • TEXAS 77494
+1 (281) 506-8234
INFO@ADI-ANALYTICS.COM
WWW.ADI-ANALYTICS.COM

DISCLAIMER

ADI ANALYTICS LLC HAS EXERCISED ITS BEST EFFORTS IN PREPARING THIS REPORT BUT DOES NOT REPRESENT OR WARRANT THAT IT WILL BE FREE FROM ERRORS OR OMISSIONS.

THIS DOCUMENT IS PROVIDED "AS IS". NEITHER ADI ANALYTICS LLC, THE AUTHORS, NOR THEIR AFFILIATES AND REPRESENTATIVES MAKE ANY WARRANTY, EXPRESSED OR IMPLIED, OR ASSUME ANY LEGAL LIABILITY OR RESPONSIBITLY FOR THE ACCURACY. COMPLETENESS. OR USEFULNESS OF ANY CONTENT OF THIS DOCUMENT.

ADI ANALYTICS LLC AND ITS AFFILIATES AND REPRESENTATIVES ARE NOT RESPONSIBLE FOR ANY DAMAGE, WHETHER PHYSICAL, ELECTRONIC, FINANCIAL, OR OTHERWISE THAT MAY RESULT FROM RELIANCE ON OR THE USE OF THIS DOCUMENT AND ITS CONTENTS.

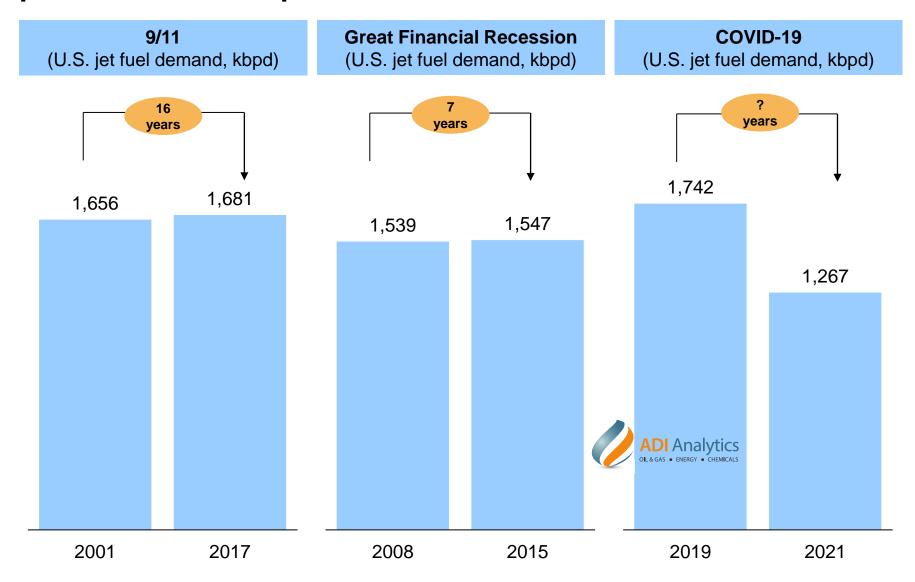
BY CHOOSING TO USE THE CONTENTS OF THIS DOCUMENT, YOU DO SO AT YOUR OWN RISK. REFERENCE HEREIN TO ANY SPECIFIC COMMERCIAL PRODUCT, PROCESS, OR SERVICE BY TRADE NAME, TRADEMARK, MANUFACTURER, OR OTHERWISE DOES NOT CONSTITUTE OR IMPLY ITS ENDORSEMENT, RECOMMENDATION, OR FAVORING BY ADI ANALYTICS LLC, THE AUTHORS, OR THEIR AFFILIATES AND REPRESENTATIVES.

THIS DOCUMENT AND ITS CONTENTS SHOULD NOT BE REPRODUCED, DISCLOSED, OR DISTRIBUTED - IN PART OR ITS ENTIRETY - WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF ADI ANALYTICS LLC.

Outline

- Study Prospectus
- ▶ About ADI

Jet fuel markets have taken a very long time to recover from past demand disruptions



Jet fuel markets face a very slow recovery post-COVID in the short term and critical disruptive challenges in the long term

Background and strategic questions

- Jet fuel markets are in a deep slump today due to COVID-19 and expectations for a quick recovery from pent-up economic and consumer demand have been stunted by new infection waves
- Historical analysis shows that prior demand disruptions, e.g., following 9/11 and the Great Financial Recession, took much longer to recover from
- Simultaneously, Energy Transition and decarbonization momentum is gaining pace very quickly posing a number of long-term challenges to the outlook for jet and aviation fuel markets

Demand / supply

- What will post-COVID jet fuel demand look like? Will it recover to 2019 levels?
- What do post-COVID demand drivers for jet fuel looks by region and why?
- What is jet fuel supply outlook including sustainability aviation fuels?

В

Regulations and innovation

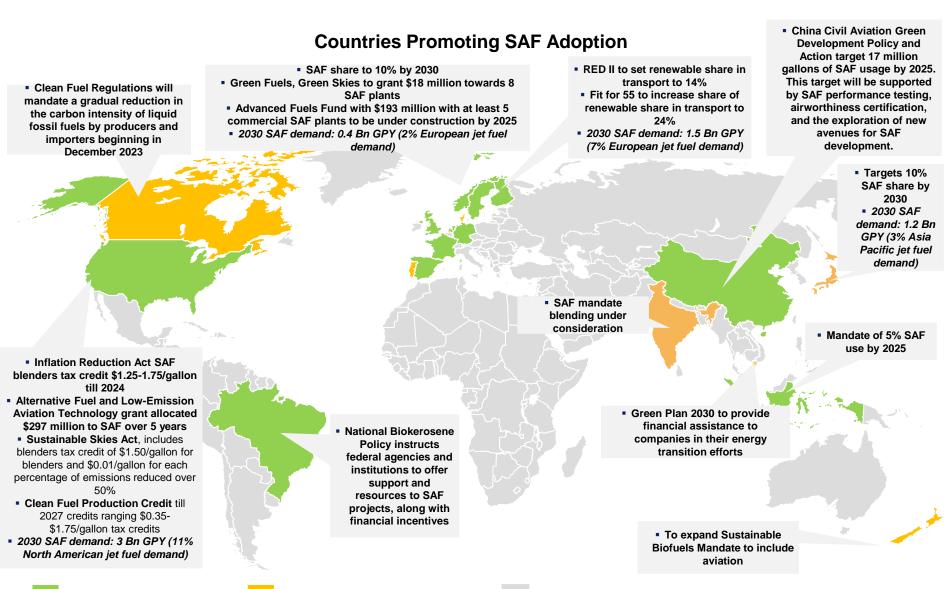
- How are policies and regulations shaping aviation and jet fuel markets? Why?
- What innovation and technologies will allow decarbonization in aviation fuels?
- Which technologies are likely to achieve commercial status and scale?

Value chain

participants and strategic **implications**

- How are jet fuel customers and suppliers adjusting strategies? Why?
- Who is likely and succeed and where? Implications for supply and demand?
- What should jet fuel value chain participants do and prepare for the future?

A handful of countries in Europe along with the U.S. are driving SAF adoption policies



These factors will be addressed by ADI's multi-client study as reflected by its comprehensive table of contents

1	Executive Summary Key conclusions, findings, and strategic implications with a review workshop and data spreadsheet	7	Low-Carbon / Sustainability Aviation and Jet Fuels Inventory and profiles of sustainable aviation and jet fuel supply processes, pathways, and technologies
2	Jet Fuel Demand Outlook to 2050 Forecasts for jet fuel demand by type through 2050 with key drivers and corresponding scenarios by region	8	Sustainable Aviation Fuel Market Drivers Population / economic growth, business / consumer travel, infrastructure investments, regulations / policies
3	Jet Fuel Demand Recovery Post-COVID Analysis of jet fuel demand recovery pathways and drivers including historical recovery analyses	9	Cost and Economic Analysis Regional and technology analyses around costs and economics of various jet fuel supply options
4	Jet Fuel Supply Outlook to 2050 Jet fuel supply outlook by region through 2050 in key scenarios including new, sustainable supply options	10	Corporate Landscape Analysis Lists of key jet fuel users and their initiatives around long-term decarbonization and sustainability improvements
5	Aviation and Jet Fuel Regulatory and Policy Review Review of policies and regulations on decarbonization and sustainability of aviation and jet fuels	11	Suppliers' Competitive Analysis Lists of key jet fuel suppliers including new technology and process developers and competitive landscaping
6	Decarbonization Challenges in Jet Fuel Value Chain Aviation and jet fuel value chain's carbon footprint and challenges with decarbonization	12	Strategic Implications and Opportunity Analysis Findings and conclusions, strategic implications, risks and mitigation strategies, and opportunity analyses for jet fuel suppliers

Key deliverables of ADI's "Future of Jet Fuel and Sustainable **Aviation Fuel" study**

Outcomes

- In-depth coverage of jet fuel markets globally and across key regions
- Jet fuel supply-demand through 2050 and near-term demand recovery analysis
- Decarbonization and sustainability in jet and aviation fuel markets globally
- Economics and competitive landscape of jet and aviation fuels
- Global feedstock supply availability and analysis

20	
~100-page report	

~20-page executive summary deck

Deliverables

Spreadsheet data package

Review workshop and analyst access

Quarterly subscription option to stay updated

Contact Uday Turaga, +1.281.506.8234 or info@adi-analytics.com to purchase this study.

Outline

- ▶ Study Prospectus
- **▶** About ADI

ADI is a consulting firm serving oil & gas, energy, chemicals, and industrial clients with expertise, rigor, and passion



Over 300 clients – Fortune 500 brands, mid-sized firms, startups, and investors - engage ADI to shape decisions



Clients accelerate priorities with ADI's consulting services, subscription research, data analytics, and conferences









Stay ahead of the curve with market intelligence, forecasts, and analysis from ADI's subscription research services

ADI subscription research >>



SAF tracker



Downstream market advisory



The future of direct air capture



ADI multi-client reports >>

Natural climate solutions



Sustainable aviation fuel (SAF)



Global CapEx / OpEx outlook



Energy transition advisory



Alternative marine fuels market study



Global / NA small-scale **LNG**



U.S. gasoline and octane outlook



Refueling North America with LNG



Latin America refined product exports



Assessing opportunities in bio-based chemicals



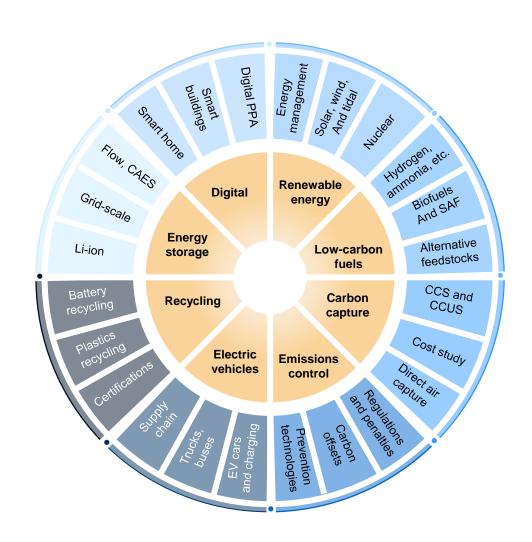
Benchmarking shale gas monetization options



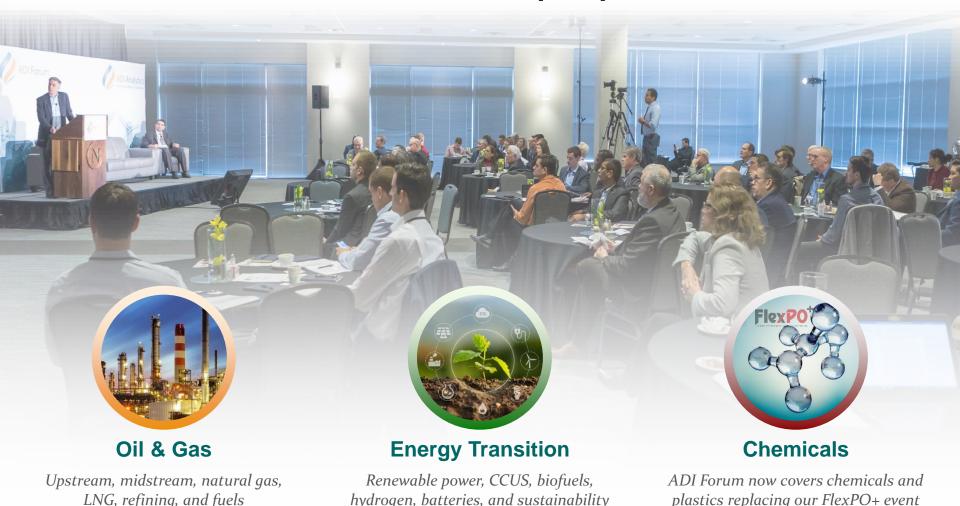
Critical minerals and energy transition

Access research and reports >>

ADI is increasingly helping clients with their energy transition needs across the board driving sustainability in oil & gas



Build a strategic view of O&G, energy transition and chemical industries informed with executive perspectives at ADI Forum



February 20-22, 2024 • Houston, TX • www.adi-forum.com



440 COBIA DR • STE 1704 • HOUSTON • TEXAS 77494 +1 (281) 506-8234 • INFO@ADI-ANALYTICS.COM WWW.ADI-ANALYTICS.COM

in







CREATING VALUE SINCE 2009

300+ CLIENTS

600+
PROJECTS

15+
SERVICES

90+ DATABASES 3-day CONFERENCE