



Solution for Future Energy Crises

Asia BioFuel Corporation

Date:
August 2024



Investment Highlights

- 1 Exit IPO share price \$6
- 2 Subscribe now share price of \$1
- 3 80% of profits dividend to shareholders estimate 25 cents per share
- 4 \$100 billion market for ethanol biofuel
- 5 Asia Pacific is the fastest-growing market for biofuel
- 6 Team with 20+ years of experience & expertise in biofuel
- 7 Minimal execution risks with back-to-back sales/purchase orders
- 8 Address 5 of UN SDG17



Introduction

With over a decade of experience, Mr. Tran Hoai Duong and Partners have been pivotal players in the dynamic biofuel industry, particularly within the vibrant market of Asia, notably Vietnam. The biofuel sector represents a crucial component of the global energy landscape, offering sustainable alternatives to conventional fossil fuels.

Despite the immense potential inherent in the biofuel market, Mr. Tran and his partners have encountered obstacles stemming from financial constraints and operational inefficiencies. The reliance on short-term loans for long-term asset acquisition has led to inflated operational costs, compounded by suboptimal utilization of equipment, resulting in missed revenue opportunities.

In response to these challenges, Mr. Tran Hoai Duong and Partners are embarking on a strategic transformation, redefining their business model to capitalize on the burgeoning demand for biofuels while streamlining operations and optimizing resource allocation. This strategic pivot underscores their commitment to innovation, sustainability, and market leadership within the dynamic biofuel landscape.



Company Structure



MR TRAN HOAI DUONG & PARTNERS

- 10 years of hands-on experience in managing and producing biofuels in Asia, particularly in Vietnam. They have overseen production and sales valued at US \$93 million, yielding \$3 million in profits despite working with limited and traditional facilities.

RAFFLES CAPITAL LTD "RC"

- A venture-accelerator for promising firms that are ready and qualifying for a public listing on a North America bourse within 18-24 months of vesting. RC works with companies that can deliver social impact bringing prosperity and progress to the people and planet.

70%

30%

ASIA BIOFUEL CORPORATION "ABC"

- incorporated in Wyoming, US on March 5th, 2024
- primarily responsible for fundraising and public listing activities.

100%

APEX BIOFUEL PTE LTD "SA"

- incorporated in Singapore as an Asia-based entity for central procurement, sales, banking, and investor relations.



For more than a century, burning fossil fuels has generated most of the energy required to propel our cars, power our businesses, and keep the lights on in our homes.

Even today, oil, coal, and gas serve about 80% of our energy needs, according to the U.S. Energy Information Administration.

However, do you know that?

Using fossil fuels for energy has exacted an enormous toll on humanity and the environment—from air and water pollution to global warming. That's beyond all the negative impacts from petroleum-based products such as plastics and chemicals.



Research from Harvard University
found that more than

8 Million People

died in 2018 from fossil fuel pollution, significantly higher than previous research suggested— meaning that air pollution from burning fossil fuels like coal and diesel was responsible for about 1 in 5 deaths worldwide.

Building a clean energy future



Ethanol

Ethanol, derived from organic materials such as plants and agricultural waste, serve as renewable sources of energy, significantly reducing greenhouse gas emissions and fostering environmental sustainability. As the world continues to grapple with the pressing challenges of climate change and energy security, the demand for biofuels has witnessed a steady uptick, propelled by regulatory mandates and consumer preferences favoring eco-friendly alternatives.

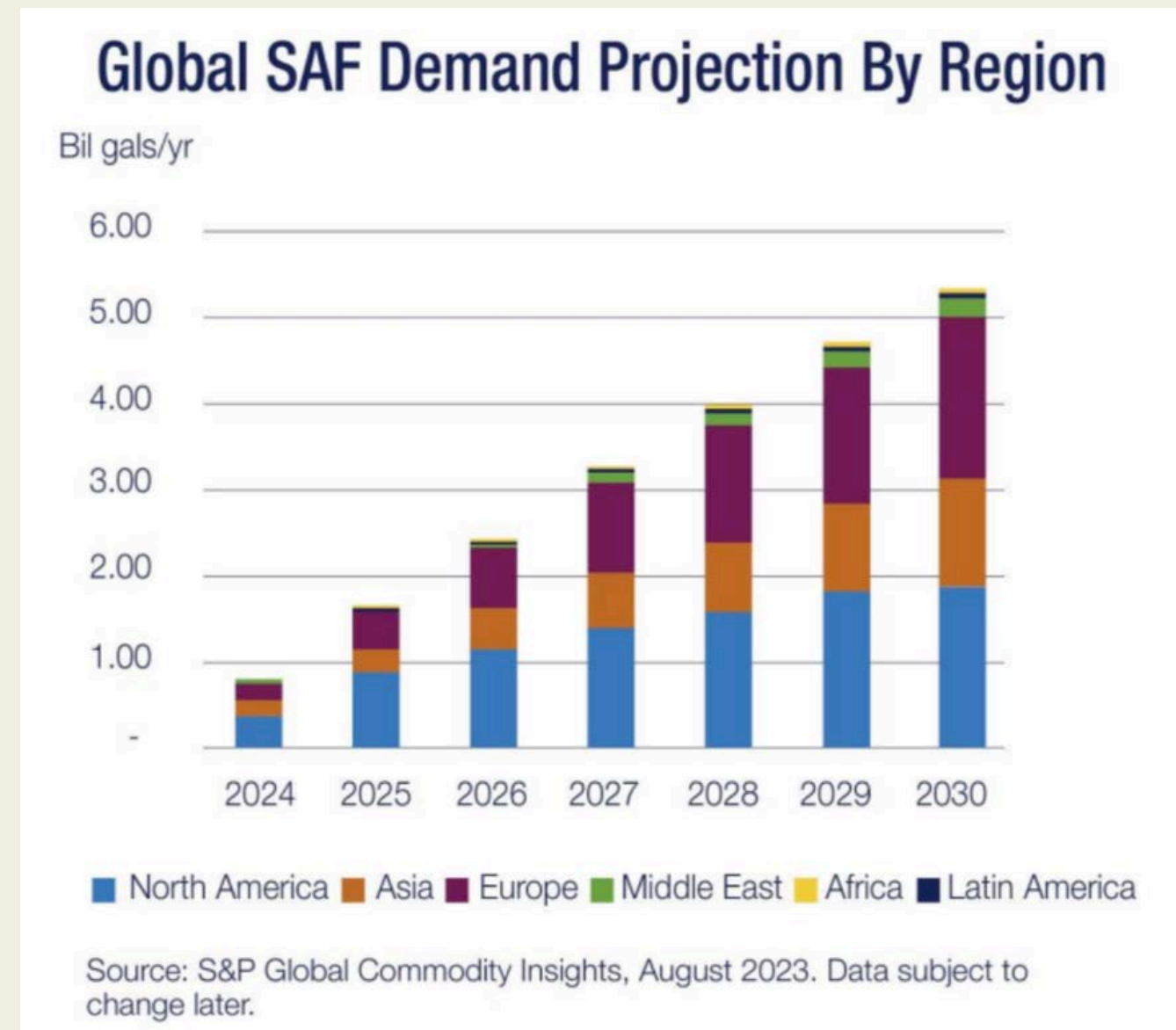


New Use Ethanol Applications: Sustainable Aviation Fuel (SAF)



Sustainable Aviation Fuel (SAF) offers a transformative solution for reducing carbon emissions in aviation while maintaining performance standards akin to traditional jet fuel. With its lower carbon footprint and diverse production pathways, SAF stands as a beacon of innovation in the quest for greener skies.

Harnessing feedstocks like ethanol through pathways such as Ethanol-to-Jet (ETJ), SAF production showcases its potential to dramatically slash greenhouse gas emissions compared to conventional jet fuel. Embracing SAF not only ensures a sustainable future for air travel but also signals a commitment to environmental stewardship and the relentless pursuit of cleaner, more responsible aviation.



Key Benefits of Ethanol



ENVIRONMENTAL BENEFITS

of replacing carbon-intense energy sources with ethanol



HUMAN HEALTH BENEFITS

from reduced emissions by including ethanol in a pollution control strategy



SOCIETAL / ECONOMY BENEFITS

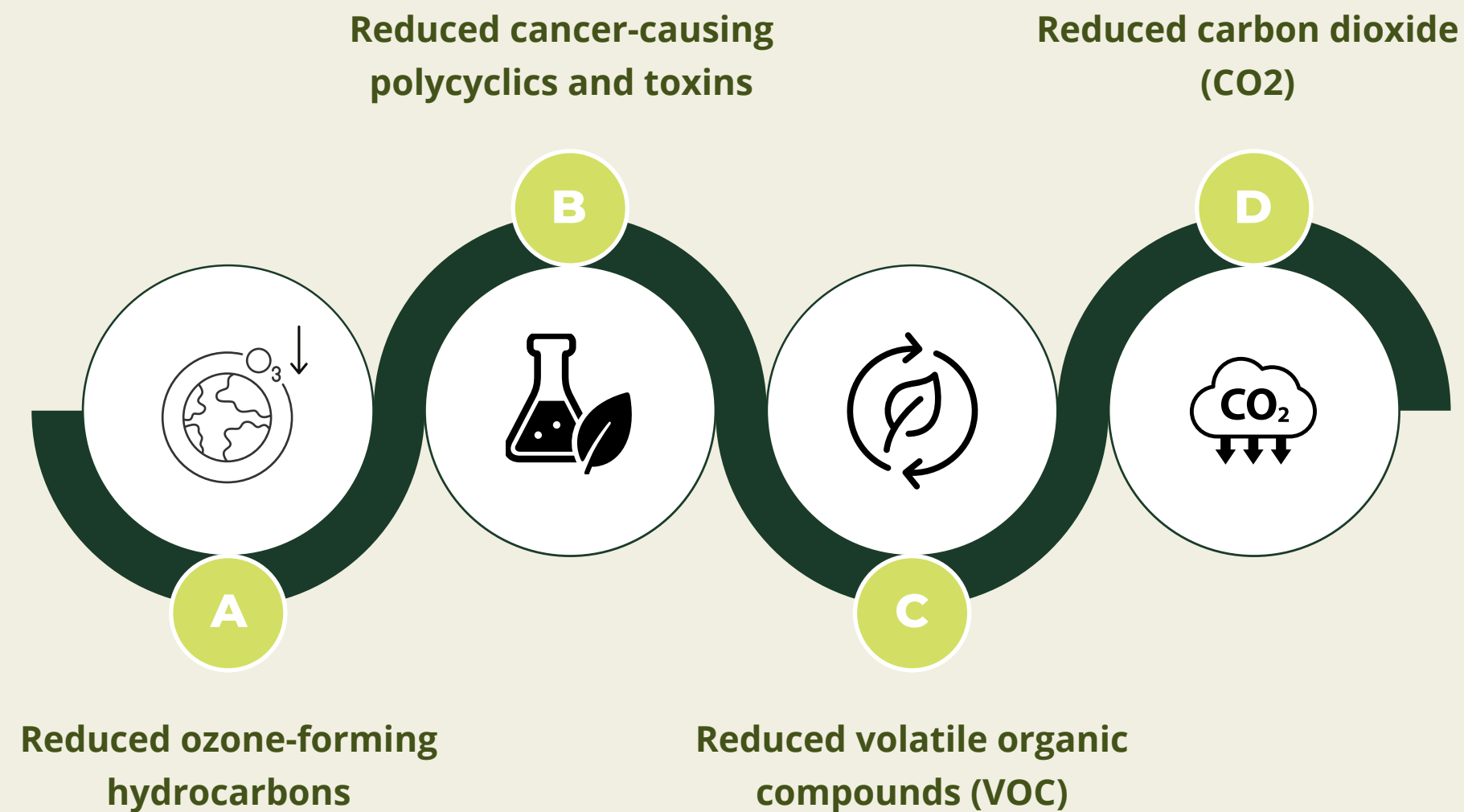
through job creation, energy security and other contributions to the economy



ECONOMIC BENEFITS

for fuel refiners and blenders through strategies that include ethanol blending

Less Pollution, Better Air Quality

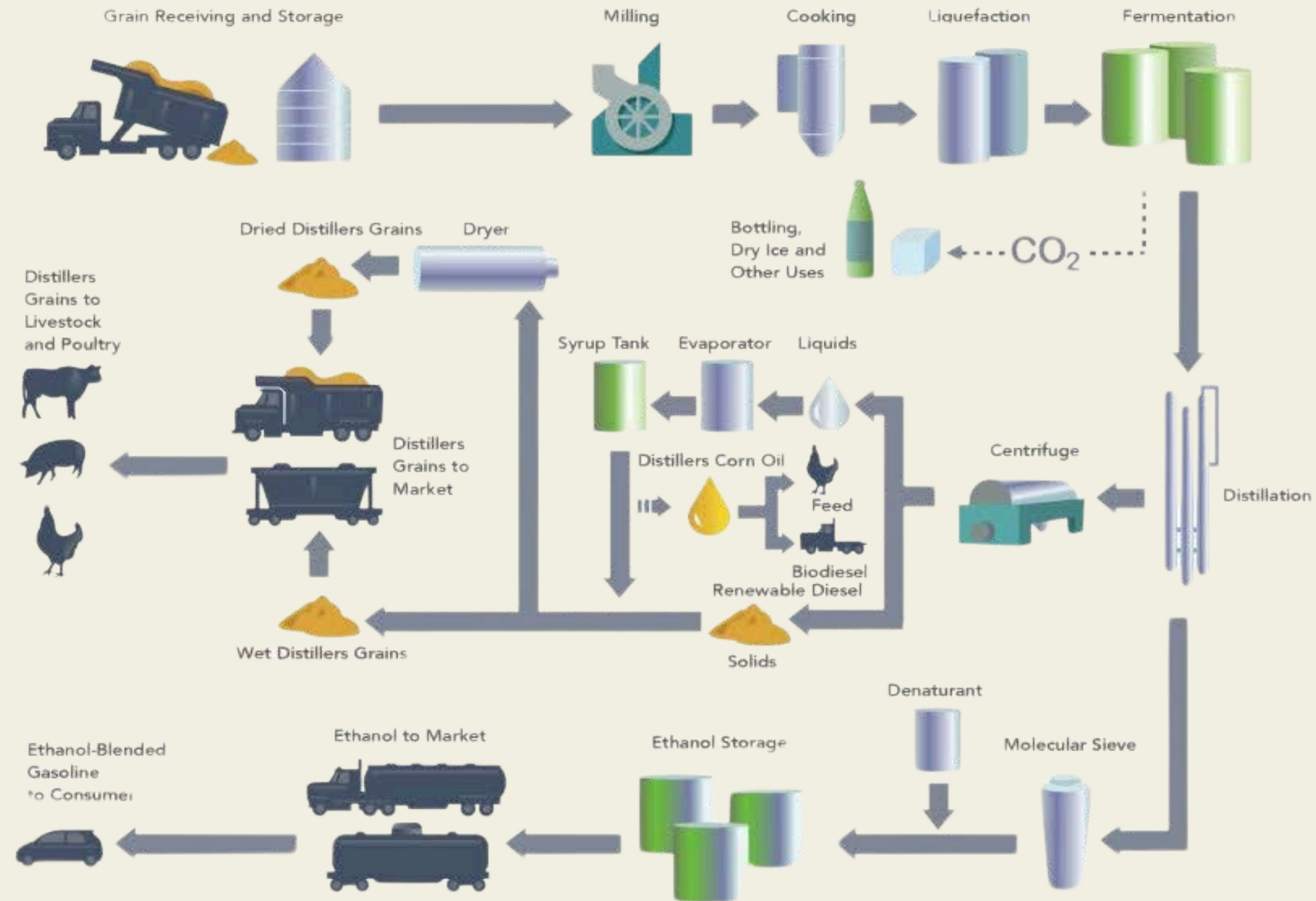


The health benefits of ethanol as an oxygenate

Air Toxins	-20%
Volatile Organic Compounds	-17%
Nitrogen Oxides	-3%
Carbon Monoxide	-13%
Sulfur Oxides	-11%
Carbon Dioxide	-4%
Particular Matter	-9%
Reduced Cancer Risk	-20-30%

Source: Clean Fuels Development Coalition Technical Committee, California Air Resources Board

Dry Mill Ethanol Process

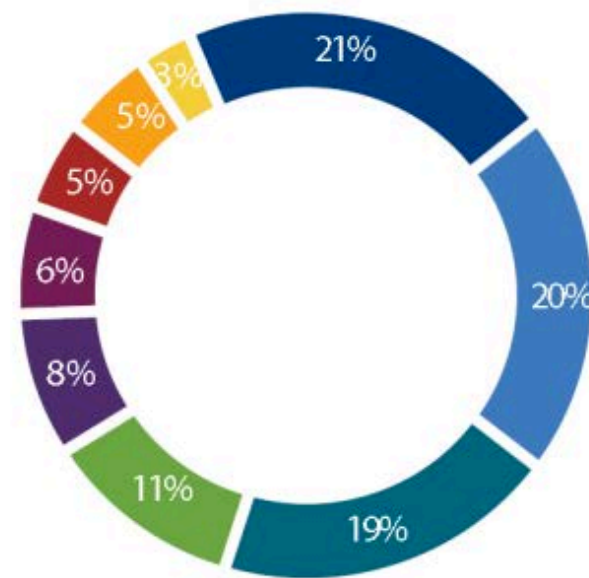


Global Demand For Ethanol Is On The Rise



Global ethanol consumption has grown from more than 17 billion liters (4.5 billion gallons) in 2000 to more than 103 billion liters (27 billion gallons) in 2021. (IEA)

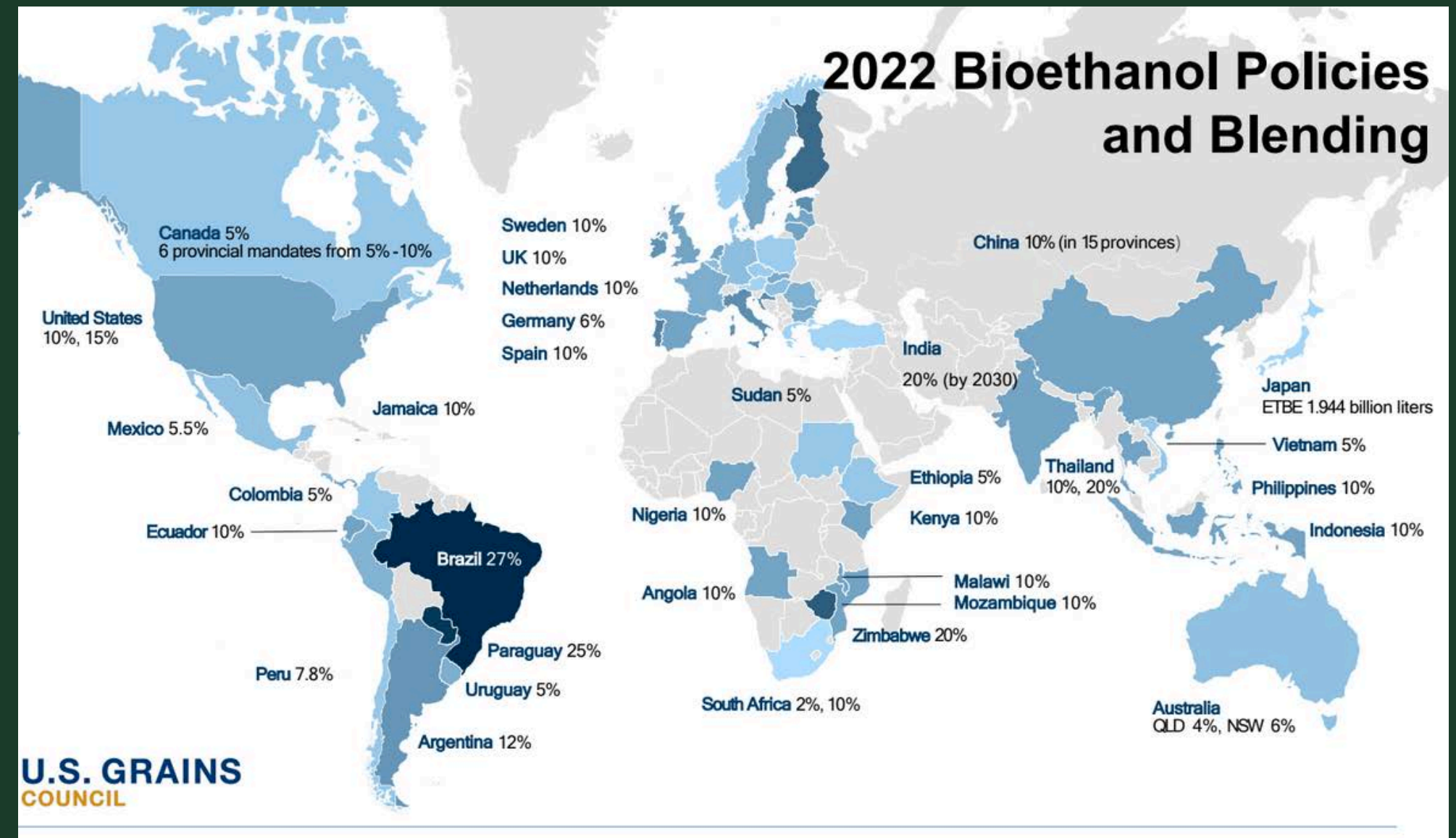
GLOBAL ETHANOL IMPORTS BY COUNTRY (2022)



Total Production in 2021 is 103 billion liters. Nearly 10% of production is traded on the international market. That number is growing as ethanol production becomes more efficient and new capacity comes on line.

WORLD TOTAL IMPORTS
10 billion liters
(2.5 billion gallons)

- EU | **21%**
- Rest of the World | **20%**
- Canada | **19%**
- United Kingdom | **11%**
- Japan | **8%**
- United States | **6%**
- South Korea | **5%**
- Philippines | **5%**
- Brazil | **3%**

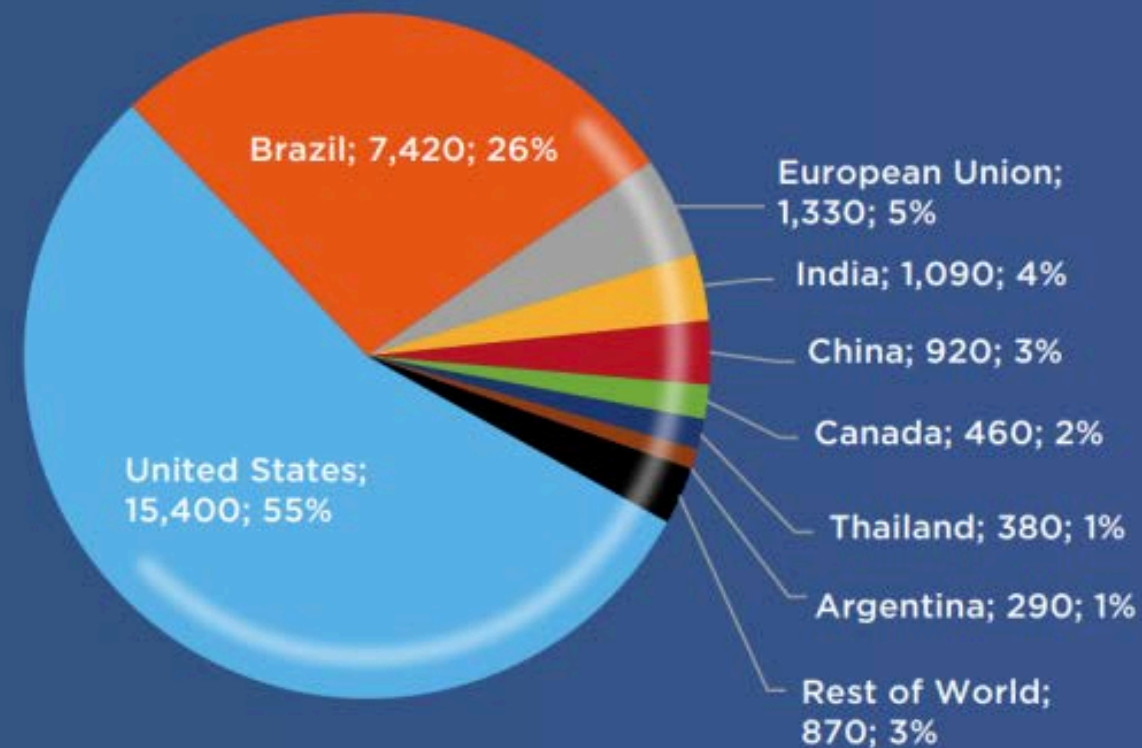


Ethanol : Global Market Size



2022 GLOBAL FUEL ETHANOL PRODUCTION BY COUNTRY

Country; million gallons; share of global production



Global fuel ethanol production rebounded further to 28 billion gallons in 2022. The United States remained the largest producer, accounting for over half of global output.

- Global fuel ethanol production rebounded to 106 billion liters in 2022.
- Strong blending policies drive uptake and decrease emissions.



U.S.



Brazil



India

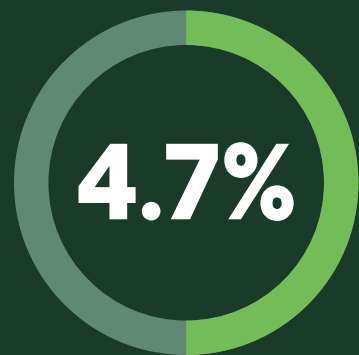


Canada



EU

Market Size in ASEAN



Biofuel consumption in ASEAN is projected to grow at 4.7% per year until 2050, highlighting its increasing role in the regional energy landscape.



Indonesia aims for B40 (40% palm-based biodiesel) by 2030 and E50 (50% ethanol) by 2050



Malaysia has implemented B20 and E10 mandates.



The biofuel market in the ASEAN region is a significant and growing sector, driven by a mix of abundant agricultural resources, government mandates, and a collective effort to promote sustainable energy sources. Indonesia, Malaysia, the Philippines, Thailand, and Vietnam are key players, each with varying degrees of biofuel production and blending mandates aimed at increasing the use of biofuels in their energy mix.

ASEAN countries are among the top producers of agricultural products like palm oil and sugar cane, which are crucial feedstocks for biodiesel and ethanol production, respectively.

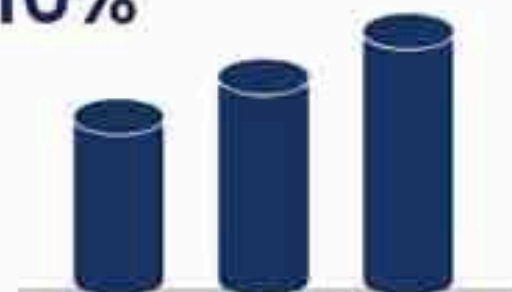
Ethanol Market

Market Size (USD Bn)



CAGR (2023-2032)

5.10%



Regional Analysis



North America region held the largest market share of 47% in 2022.



Market Drivers

- ▶ Government policies and regulations
- ▶ The growing advancement of technology



Market Opportunities

- ▶ Increasing demand for bioethanol
- ▶ Research and innovation

Key Players

- ▶ Flint Hill Resources LP
- ▶ Braskem
- ▶ Andersons Ethanol Group
- ▶ Archer Daniels Midland Company
- ▶ Cargill Corporation
- ▶ Aventine Renewable Energy
- ▶ HPCL Biofuels Limited
- ▶ Butamax Advanced Biofuels LLC
- ▶ Advanced Bioenergy LLC
- ▶ British Petroleum

According to the Report by [Precedence Research](https://www.precedenceresearch.com): “Asia Pacific is expected to register the fast growth rate, on account of expanding ethanol manufacturing capacity, coupled with presence of leading companies in the countries of Asia Pacific.” Reference: <https://www.precedenceresearch.com/press-release/ethanol-market>

Challenges



01

Price Volatility

The cost of biofuels can be highly volatile, influenced by fluctuations in the prices of feedstocks (such as palm oil, sugar cane, or corn), changes in government policies or subsidies, and global energy market trends. This volatility makes budgeting and long-term planning difficult for buyers.

02

Supply Chain Reliability

The biofuel supply chain can be complex and susceptible to disruptions due to weather conditions affecting crop yields, geopolitical issues, or logistic challenges. Ensuring a consistent and reliable supply of biofuels is a significant concern for buyers, particularly those with large-scale or critical energy needs.

03

Regulatory Compliance and Sustainability Certifications

Navigating the regulatory landscape and ensuring compliance with sustainability standards and certifications can be challenging. Buyers must often verify that biofuels meet specific environmental criteria, such as reduced greenhouse gas emissions or sustainable land use practices, which can involve complex certification processes.

Challenges



04

Fuel Quality and Performance

Ensuring the consistent quality of biofuels and their compatibility with existing infrastructure and engines is crucial. Variations in biofuel quality can affect performance, engine life, and maintenance schedules, potentially leading to higher operational costs.

05

Competition with Food Production

The use of agricultural products as feedstocks for biofuels raises concerns about the competition between food and fuel production, particularly in regions where food security is an issue. This can lead to ethical considerations and public relations challenges for buyers focused on sustainability.

06

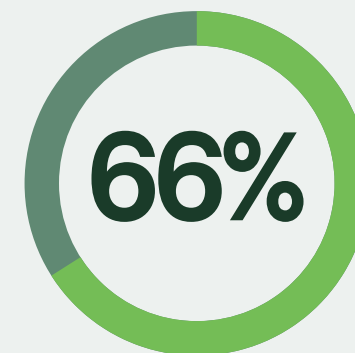
Technological and Infrastructural Limitations

Adapting existing infrastructure to accommodate biofuels, especially in sectors heavily reliant on traditional fossil fuels, can require significant investment. The need for specialized storage facilities, transportation modes, and fuel blending equipment can be a barrier to adoption.



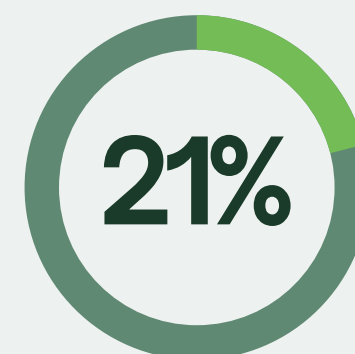
Under the ESG scheme, ABC is concentrating on the fuel blending market together with its long-term vision for SAF with ETJ technology which from 2030 will be in serious shortage because all airlines will have to adopt a more friendly petrol to reduce carbon footprint.

With OPC contracts with the largest factories in ASEAN about ethanol and biofuel, ABC will become the leading biofuels supplier in the region



Customer annual growth rate

ABC plans to deliver 100,000 metric tons of biofuel (ethanol) in FY24, 150,000 and 200,000 metric tons for FY 25 and FY 26.



Cost-effectiveness

With ABC feedstock procurement and consignment to the OPC for production and then direct delivery to the customers, the return on sales are 21%, 23%, 24% for FY 24, 25, 26 respectively.



Effective Fund Use

ABC aims to deploy the \$1 million raised through the private equity platform for working capital to fulfill sales orders.

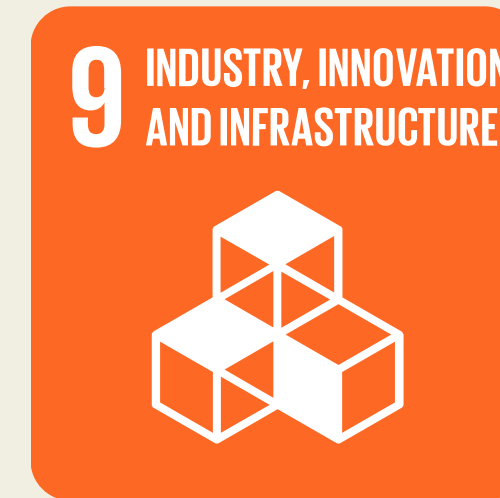
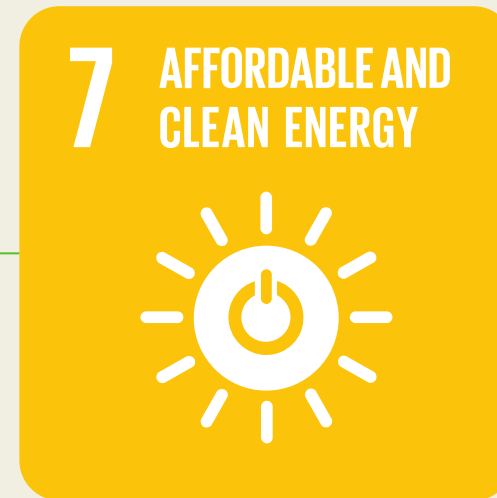


Address 5 of UN SDG17



THE GLOBAL GOALS

Renewable and sustainable alternative to conventional fossil fuels, thereby reducing greenhouse gas emissions



The advancement and application of biofuels drive innovation in technology and infrastructure, bolstering resilience, economic growth, and inclusive industrialization in accordance with SDG 9.



Biofuels promote responsible consumption and production patterns by utilizing renewable organic materials like crops, algae, and waste biomass, thereby minimizing reliance on finite fossil fuels and reducing environmental impact.

Reducing greenhouse gas emissions through displacing fossil fuels, thus decreasing the carbon footprint of transportation and other sectors, and offering the potential for carbon neutrality when produced sustainably and efficiently.

Utilizing non-food crops, agricultural residues, and marginal lands for sustainable biofuel production can conserve terrestrial ecosystems, reduce pressure on valuable agricultural land, minimize soil erosion and water pollution, and promote land restoration efforts and biodiversity preservation.

Financial Forecast



USD	FY1	FY2	FY3
Revenue Forecast			
Quantity MT	100,000	150,000	200,000
Price per MT	\$950	\$950	\$950
Sales 1	\$95,000,000	\$142,500,000	\$190,000,000
Sales 2 By Product D	\$20,000,000	\$30,000,000	\$40,000,000
Sales 3 By Product C	\$20,000,000	\$30,000,000	\$40,000,000
Sales 4 By Product O	\$10,000,000	\$15,000,000	\$20,000,000
Total Revenue	\$145,000,000	\$217,500,000	\$290,000,000
LESS: Cost of Sales & Variable Costs 83% of Sales 1	\$78,850,000	\$118,275,000	\$157,700,000
Gross Profit	\$66,150,000	\$99,225,000	\$132,300,000
LESS: Operating Expenses 15% of Rev	\$21,750,000	\$32,625,000	\$43,500,000
LESS: PPE leasing costs	\$10,000,000	\$15,000,000	\$20,000,000
Profit before Tax	\$34,400,000	\$51,600,000	\$68,800,000
LESS: Tax 17% Singapore CIT	\$5,848,000	\$8,772,000	\$11,696,000
Profit after Tax	\$28,552,000	\$42,828,000	\$57,104,000

Cash Out For Investors



USD	FY1	FY2	FY3
Profit after Tax	\$28,552,000	\$42,828,000	\$57,104,000
Total Shares	100,000,000	100,000,000	100,000,000
Earnings Per Share	\$0.29	\$0.43	\$0.57
Share Price at Price Earning Multiple of 20x	\$5.71	\$8.57	\$11.42
Gain: Entry share price (default to \$1)	471%	757%	1042%
Market Capitalization	\$571,040,000	\$856,560,000	\$1,142,080,000
Subscription Share Price	\$1	\$1	\$1

If the investor subscribes for ABC shares at \$1 each, the possible capital gain can be 471%, 757% and 1042% for the following FY 1,2,3 respectively based on the forecasted profit after tax and a price earning multiple of 20 times.

The minimal IPO price of \$5 would mean the investor would have enjoyed a capital gain of \$4 (\$5 IPO price less \$1 subscription price), a possible upside of 5 times on the \$1 invested.

*The above is an illustration of the possible gains and do not portray as a guarantee of performance. Like in any other investments, there are the risks that the forecast and gains may not be realized for many reasons. These forecasts are tabled based on certain assumptions and best efforts and they can vary due to inaccuracies, wrong assumptions, ineffective execution and other reasons. Investors need to study all forecasts carefully and make informed decisions.



Team Member

Founder

Mr Tran Hoai Duong

Finance

Tran Duy Phong

Role & Responsibilities	CEO, lead the business to achieve the business and profit objectives	CFO in charge of finance strategy, investors-relations
Core Skills	Business management, biofuel production, investments	Business Finance
Education	MBA	Bachelor of Economics
Accomplishment	Started business 2005, project manager upon graduation (2001)	Internal Audit and Control Specialists
Background & Experiences	Founder of THD Group and BTN Asset Management JSC, CEO of Atlas Trading and Holding Limited, THD Trade and Investment Inc	Chief Auditor of AASC Audit Company Limited, CFO Vietnam Biofuels Development JSC



Team Member

Accountant

Dang Minh Hoang

Production Head

Nguyen Khanh Toan

Role & Responsibilities	Accountant, accounting and audit	COO, Production
Core Skills	Credit and Accounting	Production management, biofuel specialist
Education	Bachelor of Economics	Engineering Degree in Organic Technology - Petrol Chemical
Accomplishment	Credit officer with a leading bank	Head of biofuel at Vietnam Oil & Gas, Interchem
Background & Experiences	Vietnam Bank for Agridulture and rural Development	Biofuel Processing Expert – Petrovietnam, Country Head - Interchem Vietnam Limited, Leading trader- Vitol Singapore Pte Ltd



Team Member

Marketing Head

Pham Thi Mai Huong

Procurement Head

Nguyen Lan Phuong

Role & Responsibilities	Purchasing Specialist	Office Manager
Core Skills	Purchasing Skills, Negotiation with Suppliers and Clients	Administrative, Legal and Compliance Management
Education	Bachelor of Economics	Bachelor of Law and Economics
Accomplishment	Management of Vietnam TH & D Co., Ltd, Achau Dong Nai Development and Trading Company Limited	Chief of Administration of Northern Spices Processing, BTN Asset Management, Biovis Company Limited
Background & Experiences	Executive Director of Vietnam TH & D Company Limited, Achau Dong Nai Development and Trading Company Limited, Import specialist of Northern Spice Company Limited	Management of BTN Asset Management JSC, Biovis Company Limited



Contact

Tiffany Chai

tiffany@apexcapital.asia

Asia BioFuel Corporation

1309 Coffeen Avenue STE 1200

Sheridan Wyoming 82801

(617) 631-1499