

ABSTRACT

The Gulf Coast must meet **growing energy demand reliably today** while building a **cleaner, more flexible energy system for tomorrow**. This will require a **diverse mix of fuels and infrastructure**, with each pathway creating unique demands for storage, handling, power systems, and oversized equipment.

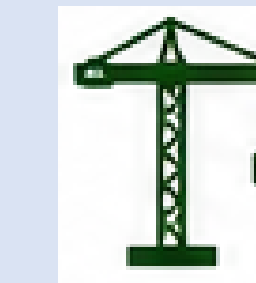
This research examines how those infrastructure demands translate into **project cargo and specialized logistics requirements**. As investment accelerates, **Breakbulk will be essential** to turning the Gulf Coast's energy ambitions into physical infrastructure.

MULTI-FUEL PATHWAYS & INFRASTRUCTURE

LPG	METHANOL	LNG	AMMONIA	HYDROGEN	ELECTRIC	NUCLEAR
Leverage much of today's infrastructure with modifications.		Cryogenic storage, insulated systems, and specialized handling.	Lower temperature and higher pressure requirements demand new purpose-built infrastructure.		High-capacity electrical systems or long-term nuclear infrastructure.	
Lower infrastructure change		Greater purpose-built infrastructure				
1 Year		1-3 Years		5 Years		10+ Years

**DIFFERENT FUELS. DIFFERENT INFRASTRUCTURE.
ONE CONSTANT: THE NEED TO MOVE IT.**

WHY THE GULF COAST?



LARGEST BREAKBULK & PROJECT CARGO COMPLEX IN NORTH AMERICA

Port Houston's Turning Basin handles heavy-lift, steel, wind, and project with large adjacent laydown areas.



MULTIMODAL CONNECTIVITY

Barge, rail, highways, and deepwater access create efficient end-to-end logistics for oversized cargo.



INFRASTRUCTURE INVESTMENT

Pipelines, industrial clusters, port upgrades, and freight infrastructure continue expanding to support Gulf Coast energy growth.

THE EQUIPMENT THAT BUILDS THE ENERGY TRANSITION



DSV PROJECT LOGISTICS

171.5 TONNES

LNG Heat Exchanger
From Duqm to Sur, Oman.

Figure 1: DSV. (2026, March 25)



ATB RIVA CALZONI

480 TONNES

Ammonia Converter

Figure 2: Haldor Topsoe Process. (n.d.)



MITSUBISHI POWER

M501JAC

347 TONNES

Hydrogen Capable Gas Turbine

Figure 3: Mitsubishi Power Americas (n.d.)

CAPITAL PROJECTS ALREADY TAKING SHAPE

\$1.4 BILLION

TEXAS CITY LOGISTICS
LPG • Texas City, TX
(ONEOK, 2025)

\$3.7 BILLION

BLUE POINT ONE
Low-Carbon Ammonia • Modeste, LA
(CF Industries, 2026)

\$1.4 BILLION

SOUTHERN ENERGY RENEWABLES
Green Methanol • St. Charles Parish, LA
(Louisiana Economic Development, 2026)

\$1.2 BILLION

HYVELOCITY
Clean Hydrogen • Texas Gulf Coast
(U.S. Department of Energy, 2024)

\$17.5 BILLION

LOUISIANA LNG
LNG • Calcasieu Parish, LA
(Woodside Energy, 2026)

\$1.83 BILLION

EUCLID 765-kV PROJECT
Electric Infrastructure • Coastal Texas
(ERCOT, 2026)

INDUSTRY ADVISOR INSIGHTS

"Texas industries are uniquely positioned to play a major role in powering the economy for the coming decade, clean energy is at the heart of this growth creating opportunities in logistics. Breakbulk in the Gulf Coast is poised for transformation."

-Srividhya Vaidyanathan, Shell

"One of the keys to success in project logistics is early engagement. Getting the right people involved from the start: logistics, transport engineering, chartering, route survey and heavy-haul expertise—helps identify the challenges early and develop the right solution before they become costly problems later."

- Leonard Headrick, DSV

"The challenge is meeting rapidly growing energy demand today with reliable, affordable energy, while building a credible path toward cleaner energy tomorrow. Making that transition possible will require not only new technologies, but the infrastructure, supply chains and logistics capacity to deliver them at scale." - Agustin Harriague, Mitsubishi Power Americas

CONCLUSION

The Gulf Coast's multi-fuel future will require specialized infrastructure, oversized equipment, and complex logistics. As investment accelerates, Breakbulk and project cargo become the critical link between energy plans and physical execution.

Breakbulk is not just supporting the energy transition. It is what makes the transition buildable.

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Let's Connect!

RESEARCH



Learn More

THE CARGO BEHIND THE TRANSITION

How Breakbulk & Project Cargo Enable the Gulf Coast's Multi-Fuel Future

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