

KEY TAKEAWAYS

Towards a global commodity market

1. Market Evolution & Rapid Globalization

The period spanning 2025 and early 2026 has confirmed the strategic trends set out in our 2025 report. Market evolution is significantly outpacing expectations. The biomethane market has not only entered a new phase of **accelerated growth, broadening applications, and structural transformation**, it is also now entering a new phase of **globalization** at a rapid pace.

2. Strategic Drivers and Profound Market Shifts

A confluence of regulatory, market, and geopolitical forces is driving **profound shifts** across the market. These forces—including imminent and tightening climate targets, the implementation of stricter maritime sector emissions regulations, expanding carbon pricing frameworks, stronger corporate disclosure rules, heightened concerns over energy security, and delayed large-scale clean hydrogen deployment—have established biomethane as the premier **scalable, immediately deployable solution** for hard-to-abate sectors **across Europe, the Americas, and Asia**.

This convergence of drivers is reshaping the sector across three core pillars:

- **Commodity Transformation:** These forces are transforming what was once a regional niche market into a **globalized commodity**. This transition carries significant implications for future production, global trade flows, and pricing dynamics over the next decade.
- **Policy and Market Foundations:** These new dynamics reinforce existing strong policy and market drivers, creating a robust foundation for a **large-scale market for biomethane across the world**, accelerating its global deployment.
- **Core Pillars of Policy Integration:** Biomethane is now established as a **mainstream pillar of global decarbonization, industrial competitiveness, and energy security policies**. While major producing regions, such as the United States, are currently navigating a transitional phase as demand expands beyond traditional on-road transport towards multiple end-use sectors and exports, the global trajectory remains clear. These forces will shape **investment strategies** and **policy frameworks** through 2030 and beyond.

3. Dual Axes of Accelerated Globalization

This globalization is accelerating along two main structural axes:

- **Regulatory Compliance:** FuelEU Maritime regulations, alongside forthcoming stricter emissions regulations from the International Maritime Organization (IMO), are establishing a **highly valued international market for bio-LNG as a primary marine fuel**, while simultaneously monetizing its environmental attributes.
- **International Supply Chains:** Rising demand for imported bio-LNG in Singapore, Japan, and Korea is catalyzing production in Southeast Asia and **stimulating the creation of international supply chains**. Currently, these chains are led by imports from the United States and are expanding rapidly to include upcoming major producers in the Asian basin.

4. Supply-Side Challenges & 2030 Outlook

While these powerful policy and market drivers signal an era of unprecedented demand, realizing this global expansion requires **navigating complex operational challenges on the supply side**, including mobilizing the high sustainable biomethane potential, and urgently addressing remaining regulatory and market barriers. New **frameworks for cooperation and coordination** among major stakeholders and across regions are emerging, signaling a concerted global effort to overcome these constraints and unlock the full potential of biomethane.

Globally, governments have announced ambitious production targets totaling 90 bcm by 2030; however, most countries remain far from achieving these goals. A more realistic outlook suggests that global biomethane production will reach **33–47 bcm by 2030 compared to 10 bcm in 2024, expanding at a robust CAGR of 22%–29%**. This outlook still represents a substantial three- to five-fold increase over 2024 levels. Expansion will center on Europe, North America, and China. Exponential growth rates are also expected in India, Brazil, and Southeast Asia, albeit from a small base today.