

# Navigating the European Biogas and Biomethane Market



Europe leads the global biomethane market, with production volumes and the number of plants increasing by approximately 20% annually. Currently, over 1,600 facilities contribute approximately 70 terawatt-hours (equivalent to around 238 million MMBtu) of biomethane to the grid. Several national governments have implemented support mechanisms for European biomethane production, while EU-level initiatives promote the substitution of fossil gas with biomethane and highlight its expanding significance in power generation.

EcoEngineers, recently acquired by global assurance partner LRQA, has been the trusted advisor guiding companies through the complex technical and regulatory environment for biogas and biomethane projects globally, resulting in more than US\$4 billion invested in successful clean biogas initiatives.

We assist companies in navigating regulatory complexities and ensuring compliance with numerous European, national-mandated programs, as well as global voluntary standards. Our methodological approach enables our clients to design their monitoring and reporting systems to meet strict requirements for mass balancing, greenhouse gas emission thresholds, and sustainability criteria, while ensuring eligibility in disclosure markets or under voluntarily made decarbonization commitments.

With a highly qualified and well-respected LCA modeling team, EcoEngineers has provided carbon intensity (CI) scores for hundreds of biomethane projects at all stages of development. We have modeled every variety of biomethane processes, including landfills, dairy and swine manure projects, and food waste to meet the requirements of mandated programs, as well as several voluntary carbon registries.

## Our Services:

- Education on European markets, projects, and regulations
- Life-cycle analysis (LCA)
- Compliance management
- Investment due diligence, feasibility studies, and forecasting
- Independent third-party Renewable Energy Directive (RED), Emissions Trading System (ETS), ReFuelEU, FuelEU-compliant certification and verification

EcoEngineers' deep regulatory and LCA expertise is supplemented by technical and engineering proficiency. Our asset development team delivers feasibility studies, market forecasts, technology evaluations, and risk analyses to support our clients throughout their biomethane manufacturing process development or their carbon credit development process.

## About EcoEngineers

EcoEngineers, an LRQA company, is a consulting, auditing, and advisory firm exclusively focused on the energy transition and decarbonization. From innovation to impact, EcoEngineers helps its clients navigate the disruption caused by carbon emissions and climate change. Its team of engineers, scientists, auditors, consultants, and researchers operates at the intersection of low-carbon fuel policy, innovative technologies, and the carbon marketplace. For more information, visit [www.ecoengineers.us](http://www.ecoengineers.us).

EcoEngineers is accredited by the American National Standards Institute (ANSI) National Accreditation Board (ANAB) as a GHG verification body in accordance with ISO standards ISO/IEC 17029:2019, ISO 14065:2020, and ISO 14064-3:2019.

## Navigating the Energy Transition



- Asset Development
- Life-Cycle Analysis • Compliance • Regulatory Engagement



- Validation & Verification • Quality Assurance Programs • Third-Party Engineering Reviews



- Interactive Workshops • Market Outlooks • Carbon Literacy

### For more information, please contact:

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