

RSB EU RED FUEL CERTIFICATION

The trusted pathway into Europe's
renewable fuel market

Compliance with the European Union (EU) Renewable Energy Directive (RED) is not optional; it is a foundational requirement for renewable fuel market access.

Sustainability certification is a legal requirement for renewable fuels entering the EU market. RSB certification goes further, providing producers with verified sustainability credentials that unlock market access and build confidence with buyers, regulators, and investors. RSB's standards ensure rigorous sustainability, traceability, and greenhouse gas (GHG) reduction requirements across every step of the value chain, covering a wide range of feedstocks, including agricultural crops, waste and residues, algae, and used cooking oil.

LRQA, a leading global risk management partner, together with EcoEngineers, an LRQA company that serves clean energy companies through advisory and assurance services, are approved by the Roundtable on Sustainable Biomaterials (RSB) to provide certification services under the RSB standard. We bring deep technical expertise across biofuels and biomaterials, including sustainable aviation fuel (SAF), green and low-carbon hydrogen, and synthetic fuels, to implement the RSB program and deliver audits and certifications across the certification schemes, including EU RED Fuel certification.

RSB is recognized by the European Commission, and RSB certificates are also recognized across other voluntary schemes operating in Europe. RSB certification is globally recognized for its rigorous sustainability framework, developed through a uniquely inclusive multi-stakeholder process. It ensures compliance with climate regulations like EU RED, along with global regulations including Carbon Offsetting and Reduction Scheme for International Aviation (CORSA), as well as social and environmental integrity across the value chain.

The Challenge Fuel Producers Face

Europe's renewable energy framework requirements are tightening. Without approved certification, renewable fuels cannot be sold as compliant energy in the EU, qualify for government incentives, generate tradable certificates, or be reported in the Union Database (UDB). Certification ensures fuels can be counted toward EU renewable energy mandates.

Buyers, regulators, and investors also now expect full traceability, defensible lifecycle greenhouse gas (GHG) calculations, and audited documentation across increasingly complex supply chains, requiring companies to partner with trusted, independent

third-party verifiers to meet these requirements. This impacts the entire renewable fuel value chain, including:

- Feedstock suppliers and waste collectors
- Biofuel, biogas, and hydrogen producers
- Sustainable aviation fuel (SAF) and renewable marine fuel manufacturers
- Traders, distributors, and logistics providers
- Fuel blenders and retailers
- Power-to-X technology operators

Key Benefits of RSB EU RED Certification

RSB EU RED certification supports compliance with United Kingdom (UK) Renewable Transport Fuel Obligation (RTFO), ReFuelEU Aviation and FuelEU Maritime regulations, as well as eligibility under the EU Emissions Trading System. Certification applies to both advanced and conventional renewable fuels, including biofuels from waste and residues, biomethane and biogas, renewable fuels of non-biological origin such as green hydrogen and synthetic fuels, and recycled carbon fuels.

What Certification Covers

RSB EU RED certification spans the entire value chain, from feedstock sourcing through production, trade, and delivery, and supports complex, multi-feedstock and co-processing operations. Certification ensures that renewable fuels:

- Meet applicable GHG emission reduction targets
- Fulfill land-related sustainability criteria
- Are properly mass-balanced
- Have lifecycle carbon intensity calculated using RED-compliant methodologies

Why EcoEngineers and LRQA

Certification is only as strong as the partner behind it.

LRQA and EcoEngineers combine independent, accredited assurance with deep technical expertise in renewable fuel policy, life-cycle assessment, regulatory compliance, and GHG verification. Together, we deliver efficient, independent certification services that meet regulatory expectations without compromising integrity.

We have conducted life-cycle analyses for more than 1,000 fuel pathways and related products and performed over 1,500 audits supporting biofuel and GHG claims.

Our teams provide practical, market-ready guidance throughout the certification process, supporting efficient audits, complex supply chains, and multisite operations while maintaining credibility with regulators and fuel buyers.

**To learn more, connect with our RSB assurance team today:
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