New Generation Biofuel

Brazilian Biocombustiveis Ltda (BBL) presents a clean, validated and ready-to-scale technology. A revolution in 100% plant-based biofuels, for a more sustainable future.

By Roberto Pes

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About Us

Startup DeepTech

Patented 100% plant-based biofuel production technology.

Exclusive Innovation

No generation of by-products in the production process.

International Validation

Recognized by ENAC (Italy) for application in SAF.

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The Problem

Traditional Biodiesel

- Requires transesterification process
- Generates glycerin as a by-product
- High production cost
- Low profitability

Global DemandDemanda Global

- The world is looking for cleaner alternatives and efficient for fossil fuels.
- Need for sustainable solutions without compromising performance.

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The BBL Solution

Direct Emulsification

Exclusive oil/ethanol emulsification technology without the use of surfactants.

Zero Waste

Clean process without generation of by-products or waste.

High Stability

Product with superior stability and versatile application.

Compatibilidade Total

Applicable to diesel engines and turbines without modifications.

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Differential

Zero By-Product

No glycerin generation in the production process.

Durability

Storage for more than 10 years without degradation.

Performance

Percentage of mixture tested in vehicles diesel, up to 50%, without causing mechanical failures

Lower Cost

Simplified process reduces production costs by up to 30%.

Compatibility

Works on existing engines without adaptations.

SAF Validation

International recognition as a sustainable aviation fuel.

BBL

SAF CERTIFICATION

VALIDATED BY ENAC

ENAC

Ente Nazionale per l'Aviazione Civile

Validation and Recognition

ENAC Itália

Selected for SAF (Sustainable Aviation Fuel) tests.

International Patent

Protection via PCT and INPI Brazil.

Institutional Support

Partnerships with UFRN, UNP and CTGAS-RN.

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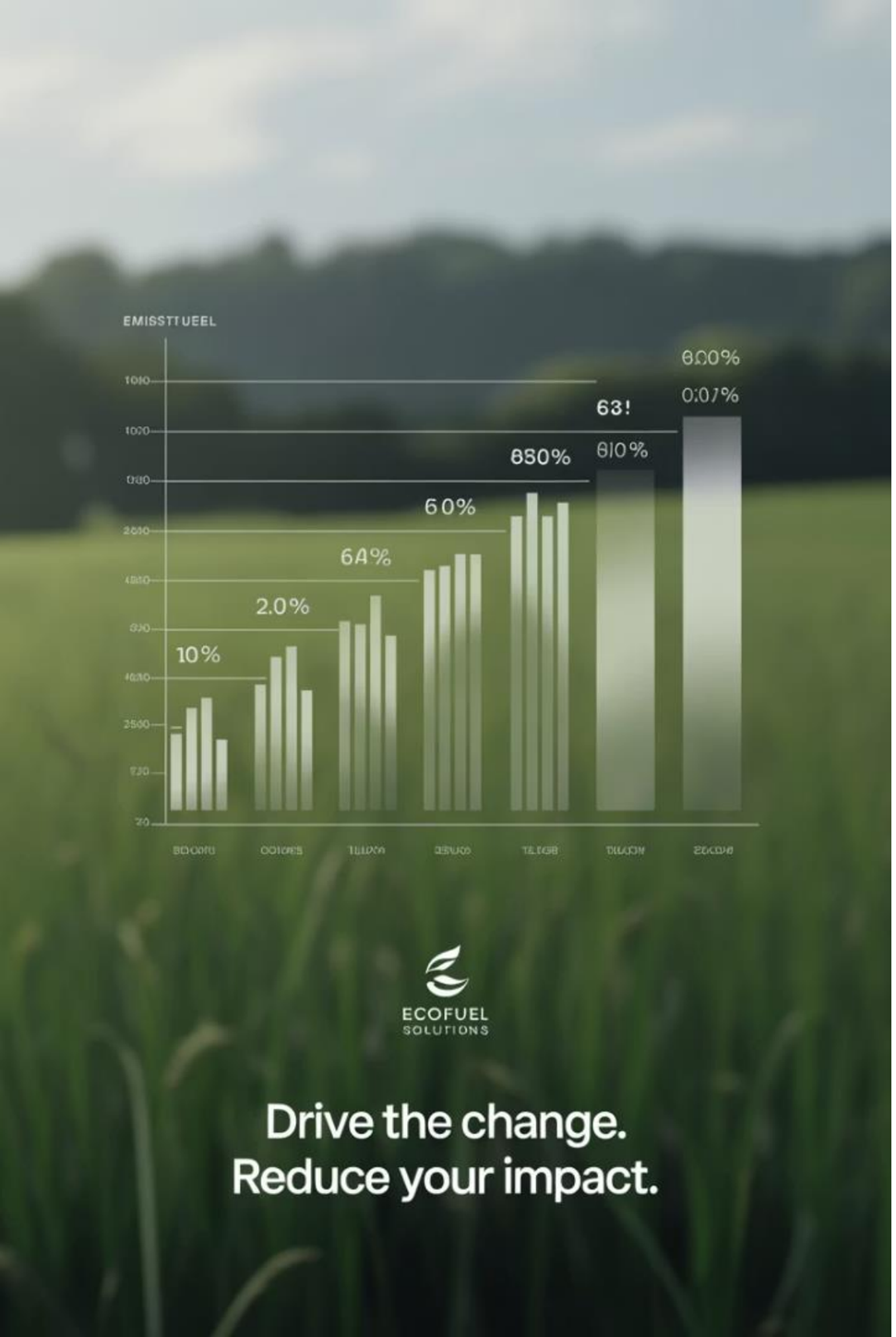

Environmental impact

96,4%

NOx Reduction

Compared to Diesel S10 in laboratory tests.

97,8%

SOx Reduction

Results obtained with diesel generators.

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Products

BBL 100

100% vegetable biofuel for use in diesel engines.

BBL-SAF

Sustainable fuel for commercial aviation, in blend with diesel oil.

Licensing

Exclusive technology transfer to partners.

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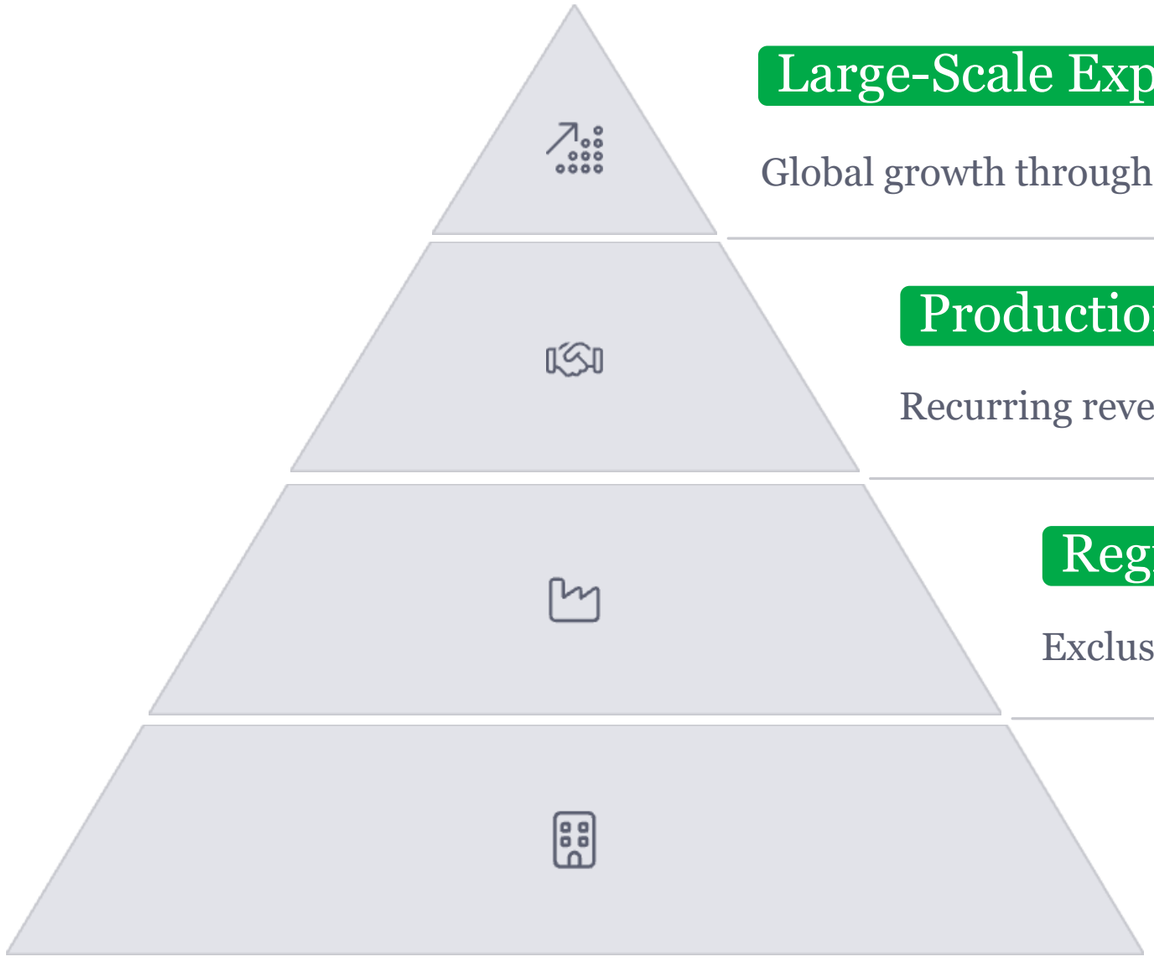
Business Model



Large-Scale Expansion

Global growth through licensing.

Production Royalties

Recurring revenue based on volume produced.

Regional Licensing

Exclusive contracts by territory.

Model Plant

Commercial showcase for technology demonstration.

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Commercial Strategy

Strategic Partnerships

Alliances with fuel mills and distributors.

Supply Contracts

Long-term agreements with key customers.

University Ambassadors

Network of academic and technical influencers.

Technical Events

Participation in fairs and congresses of the sector.

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Target Market

Sustainable Aviation

Provision of SAF to airlines committed to sustainability.

Heavy Transport

Fleets of trucks and marine vessels.

Stationary Generators

Backup power for industries and critical infrastructure.

International Licensing

Expansion of technology to global markets.

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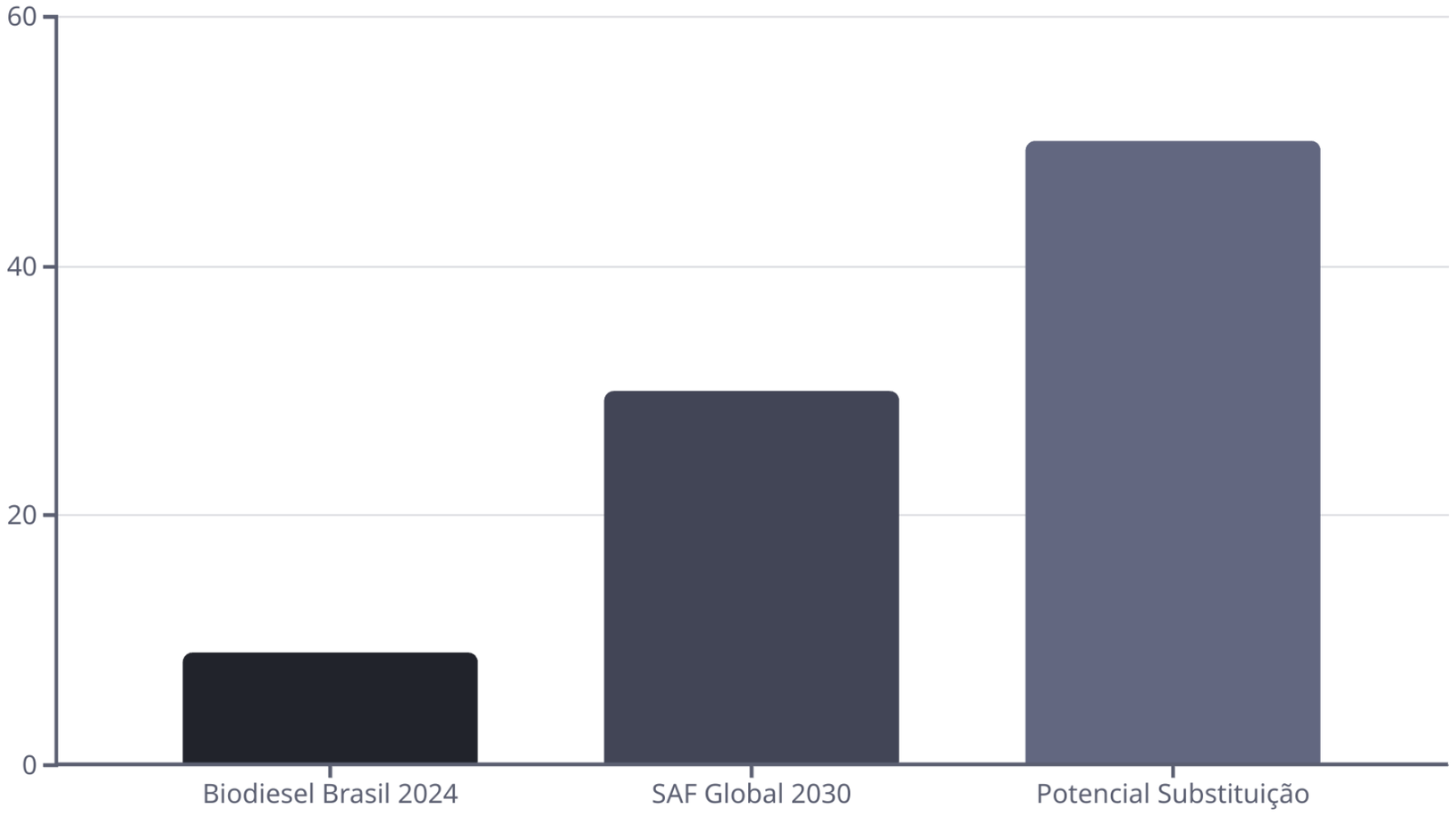
Market Size



Production in billions of liters

O The biofuels market presents significant opportunities. There is great potential for replacement and meeting new demand.

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Competitors

Traditional Biodiesel

BSBIOS, ECB Group and other conventional producers.

Alternative Chemical Routes

Synthetic processes and other emerging technologies.

BBL Differential

Simplicity, lower cost, and high scalability.

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Expansion Roadmap

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2025

- Driving licence referral noINPI.
- Model plant in commercial operation.

2026-2028

Expansion of regional licenses to Brazil.
SAF tests according to ENAC ITALY directives

2029-2032

International growth with global partners.

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Operational Structure

Pilot Plant

Installation in an **industrial area**

Capacidade Inicial

Initial production of **12 million** liters per year.

Meta de Crescimento

Reach **100 million liters** per year in 5 years for each unit.

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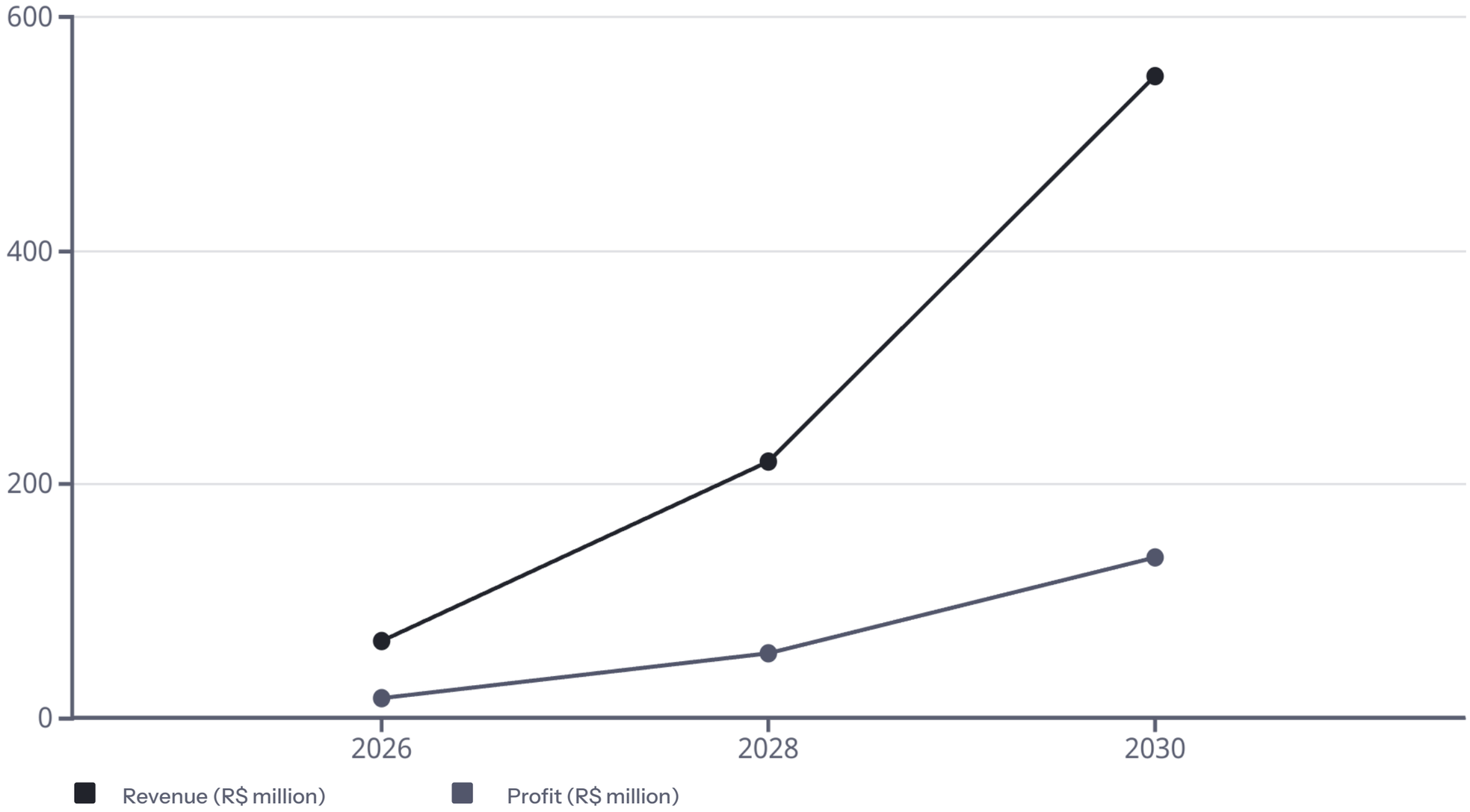
Financial Projections for Production Plant



Projection of exponential growth for each mill in the coming years. Revenue of R$ 550 million and profit of R$ 137.5 million by 2030.

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Investment

Equity

Initial licensing with own resources.

Strategic Partnership

Investors receive a share in royalties.

Sustainable Growth

Scalable business model with recurring revenue.

Attractive Return

10% on future licenses derived from the plant.

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Time

Roberto Pes (CEO)

International Management from James Cook University, Australia.

Andrea Festuccia (Eng. Químico)

Former researcher at La Sapienza University, Rome.

Prof. Wendell Lopes

Researcher and professor of chemical engineering of UFRN/UNP.

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Call to Action

Be partner in the new energy revolution. Join BBL to license, scale, and transform the future of clean energy.

Strategic Partnership

Unique opportunity to participate in the biofuels revolution.

Regional Licensing

Territorial exclusivity for production and distribution.

Environmental impact

Contribute to a more sustainable and cleaner future.

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BBL Contact

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"Transforming the future of sustainable fuels"

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