



**India's First Pioneering the Committed
Monthly Production Model.**

About Renovo Bio Solutions

Renovo Bio Solutions (RBS) Private Limited is a pioneering company at the forefront of green energy and pellet manufacturing, specializing in the most technically complex fuel processing, including Paddy Straw Bales and Cane Trash for biomass Briquette & pellet production.

RBS is India's First Company Dedicated to Operations & Maintenance (O&M) in Biomass Densification (Briquettes & Pellets)

- Data-Driven Automation & Real-Time Monitoring
- Pioneer in Structured Monthly Production Models with Accountability.
- End-to-End O&M Solutions to Optimize Efficiency & Reduce Downtime.
- Innovative Approach to Enhance Productivity & Sustainability in Biomass Processing.

We believe in transforming the Biomass Densification Industry with Cutting-Edge Technology & Expertise!

Our Mission

To be India's first and most trusted organized player in Operations & Maintenance (O&M) for biomass densification (briquettes & pellets) and green energy projects, setting new benchmarks in efficiency, automation, and reliability.

We aim to revive and revolutionize the unorganized biomass industry by integrating automation, skilled manpower, and cutting-edge technology, ensuring higher production, sustainability, and industry compliance.

Our Vision

- Optimize & Standardize the O&M of densification plants with automation-driven efficiency.
- Develop & Deploy highly skilled professional manpower for the biomass industry.
- Integrate Real-Time Monitoring with customized software solutions for enhanced productivity.
- Introduce India's First Leasing Model for briquette & pellet production machinery, reducing CAPEX burdens.
- Revive & Scale struggling briquette & pellet plants with structured management & reliability. We are committed to building a sustainable biomass ecosystem with data-driven decision-making, skilled workforce development, and innovative financial models—paving the way for a cleaner and greener future!

Organization Philosophy

Shaping India's Green Energy

Transforming the Unorganized Biomass Densification Industry into a Data and IoT-Driven Manufacturing Solutions for Maximum Optimization. Integrated Plant Manufacturing Process, visibility, Automation Solutions (Briquettes & Pellets), Torrefaction, Green Steam, Green Energy & Biomass Pellet Manufacturing.



Pioneering Biomass Densification Operations & Maintenance: A First in India!

We are proud to be the first Indian company to revolutionize the biomass densification industry with innovative solutions like:

- Operations & Maintenance for densification units, including spares & skilled manpower.
- Leasing of Densification Machinery, reducing the burden of heavy CAPEX investment.
- Professional Plant Operations, ensuring compliance with all government norms.

We are not just operating Equipment—we are transforming the industry with smart, scalable, and cost-effective solutions.

RBS' Key Strengths



Proven Expertise

Successfully managing
8+ active sites in biomass
densification
(briquettes & pellets).



Advanced Monitoring

Real-time audits,
24x7 online monitoring,
and **efficient asset deployment**
for operational excellence.



Industry Leadership

The CEO of Hi Tech Agro Energy
is one of the
Co-Founders & Promoters
of RBS, bringing **40+ years** of
expertise in biomass densification.



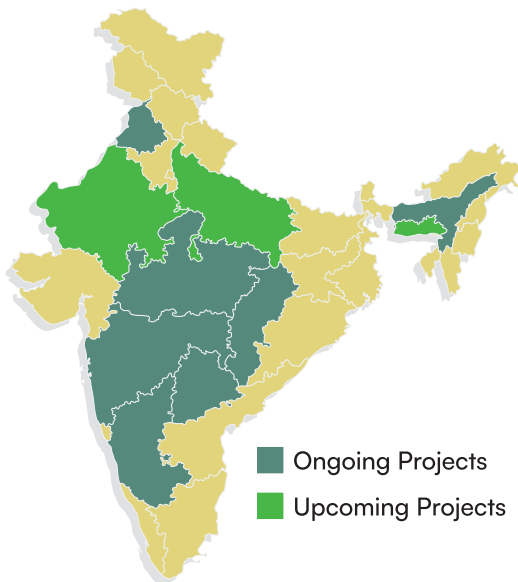
Technological Integration

- IoT & AI-Powered Remote Monitoring — Real-time insights for seamless operations.
- Data-Driven Decision Making — Optimizing plant efficiency through analytics.
- Advanced Automation & Predictive Maintenance — Minimizing downtime and maximizing productivity.
- Spare Consumption Pattern Analysis — Tracking spare part lifecycle for optimized usage.
- Material Enhancement for Reduced Spare Consumption — Adapting spare part material based on agricultural residue properties (e.g., higher silica in paddy straw vs. lower silica in corn cobs) to improve durability and reduce costs.

Our Core Services

- Comprehensive O&M — Ensuring seamless equipment maintenance and regulatory compliance.
- Technical Audits — Conducting plant performance assessments and ensuring safety standards.
- IoT-Enabled Remote Monitoring — AI-powered dashboards for real-time project tracking.
- Asset Deployment & Raw Material Sourcing — Efficient resource allocation for uninterrupted operations

Current Key Projects



Nationwide Operations and Maintenance (O&M) Services

At Renovo Bio Solutions, we pride ourselves on offering comprehensive and reliable Operations and Maintenance (O&M) services across India. With a commitment to excellence and an unwavering focus on quality, our team delivers end-to-end solutions designed to ensure the seamless functioning of your assets, facilities, and infrastructure.

We understand the importance of operational efficiency and maintaining assets at peak performance. Our services are tailored to meet the unique demands of each client, ensuring minimal downtime and optimal operational output.

Achievements & Growth Plan

Current O&M Footprint

Managing 12 sites with a total capacity of 12,000+ Tonnes Per Month

2025-26 Goal

Expansion to 30 sites, achieving 30,000+ Tonnes Per Month capacity.

2028 Vision

Scaling to 50 sites with a massive 100,000+ Tonnes Per Month capacity.

Remote Monitoring

Targeting 100+ AI-powered subscriptions by 2025.

Why Choose Renovo Bio Solutions?

- India's First & Most Advanced Biomass Briquette and Pellet O&M Company
 - Pioneering Data-Driven Automation & Predictive Analytics
 - Committed to Clean Energy & Sustainable Solutions
 - Scalable & Technology-Backed Operations



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