



## Customised Waste Conversion Solution



INNOVATIVE SOLUTIONS  
FOR A SUSTAINABLE FUTURE



## About Us

**bhumi**  
CARBON CONTROL

We are an Indo-German consultancy, specializing in Environmental challenges with robust Net Zero strategies. Our focus is on the commercial side of waste to energy-based projects, including market development, product innovation, and financing topics. With a commitment to sustainability and innovative solutions, we empower businesses to achieve measurable outcomes in environmental and economic goals.

Simplify your environmental journey with our comprehensive services.

## OUR SERVICES

### 01 Waste Reformation Consulting

By repurposing waste into eco-friendly solutions, we help organizations to reduce their carbon footprint, achieve compliance, and unlock new opportunities in the green economy. Our waste reformation services focus on transforming waste streams into valuable resources, driving sustainability and profitability for businesses. We are specialized in waste conversion with innovative and sustainable strategies, bioenergy and biochar production with advanced engineering and technologies, and nanotechnology under circular economy frameworks.



### 02 Environmental Consulting

Our Environmental solution providing services dedicated to ensuring the long-term sustainability of your environmental projects. We offer expert guidance on innovative strategies, compliance with regulations, and impactful solutions to reduce ecological footprints. From project planning to execution, we prioritize sustainable practices that balance environmental stewardship with business goals. Associate with us to achieve measurable outcomes in climate resilience, resource efficiency, and sustainable growth.

### 03 Carbon Consulting

We, as carbon consultants, working with businesses to reduce their carbon output and create a robust Net Zero strategy. Sustainability is at the heart of what we do. We take a commercial and brand-centric approach to the work we undertake with businesses. Our expertise includes carbon auditing, emissions reduction strategies, and developing carbon credit projects aligned with international standards.





## Nanomaterial Consulting 04

Our Nanotechnology consulting services leverage cutting-edge advancements in nanomaterials to deliver innovative and sustainable solutions.

We are specialized in:

- Production of 0-3 D nanomaterials from waste sources.
- Exploring nanotechnology's potential in enhancing biochar properties for advanced applications.
- Providing advisory on the integration of nanomaterials in industrial and commercial processes.
- Ensuring safe, compliant, and effective use of nanotechnology for maximum impact.

## OUR EXPERTISE



### 01 Biochar

End-to-end support for biochar process, product and project development through:

- Feasibility study report and implementation.
- Designing biochar production systems.
- Biochar integrations in land, air and water reformations
- Guiding businesses in leveraging biochar for carbon sequestration, practices for lowering the carbon foot prints for qualitative enhancement in environmental health.



### Carbon 02

Help organizations achieve sustainability and profitability through:

- Advisory on carbon removal solutions.
- Biocarbon based product and market development.
- Carbon auditing and management strategies.
- Development of carbon credit projects under international standards.
- Enhanced Rock Weathering (ERW).

### 03 Waste Reformation

Specialize in transforming waste into valuable resources through innovative solutions:

- Assessing waste streams to identify opportunities for repurposing.
- Developing strategies for waste-to-energy-to-value conversion in line with circular economy principles.
- Engineering pyrolysis technologies for zero emission with maximum energy recovery.
- Waste plastic conversion to value added and ecofriendly products.







## Environmental Solutions

04

Ensure the sustainability and regulatory compliance of your projects:

- Comprehensive environmental impact assessments.
- Sustainable project planning and execution.
- Strategic guidance for reducing ecological footprints and enhancing resource efficiency.

## WHY CHOOSE US?



- **Expertise Across Domains:** A multidisciplinary and experience team over 22 years with deep knowledge in waste to value, carbon management, and environmental sustainability.
- **Innovative Solutions:** Cutting-edge technologies and customized strategies tailored to client needs.
- **Commitment to Sustainability:** Balance ecological preservation with economic growth.
- **Global Perspective:** Developing projects that align with international sustainability standards and goals.



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