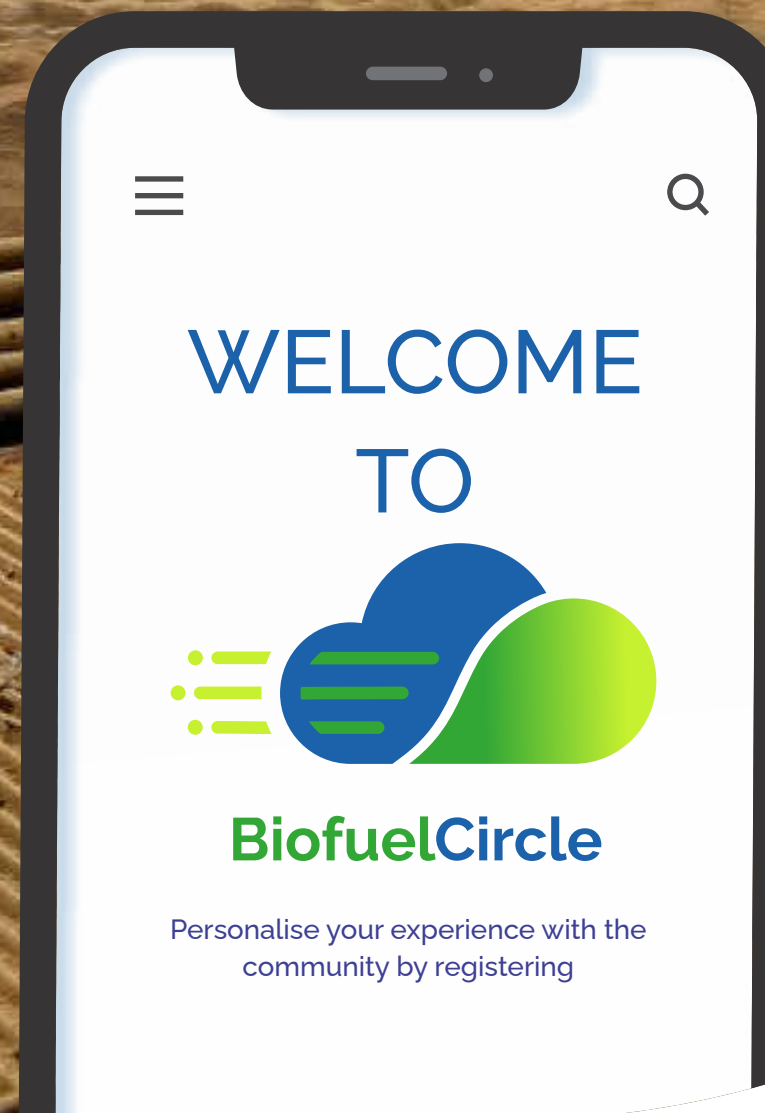
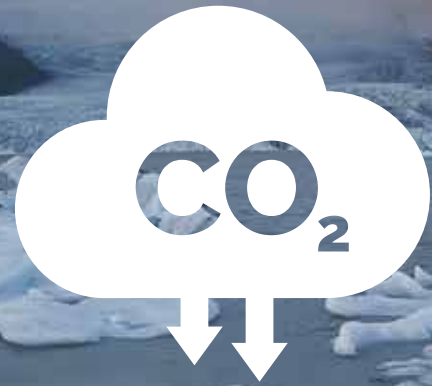


# Redefining the Bioenergy Supply Chain

Boiler Owners | Bioenergy Companies & Industry





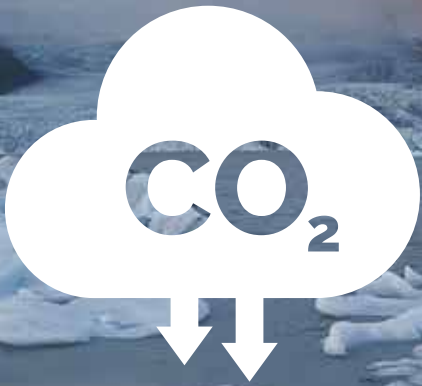
## What is BiofuelCircle?

The immense potential of the Biofuel and Bioenergy sector in India is waiting to be harnessed.

The Bioenergy Industry has a strong capacity to

- Create a **carbon-neutral substitute** for fossil fuels
- **Negate the impact of climate change**
- Create **rural and urban employment**
- Encourage **carbon-neutral operations**
- Bring about **social change** across India

However, the bioenergy supply chain is **relatively unorganized and inefficient** in a large country like India due to multiple factors.



## BiofuelCircle:



**Aims** to create a dependable supply chain for bioenergy



Addresses all the **challenges** related to the bioenergy supply chain at different stakeholder stages



Simplifies the green energy approach for all through a **cloud-based marketplace**



Enables rural and industrial participants of the bioenergy supply chain to **discover suppliers, customers, buy, sell, transport, and complete all the transactions**



Creates avenues for dynamic market-based participation that will **enhance scalability** for the Bioenergy Industry

## Key Challenges faced by Boiler Owners | Bioenergy Companies & Industry



### Unreliable Biofuel Supply

- Seasonal availability of biomass
- No or limited availability of organized storage capacities
- Relatively unorganized bioenergy supply chain leading to the high cost of funding to create organized storage facility
- Inconsistent quality



## Key Challenges faced by Boiler Owners | Bioenergy Companies & Industry



### High Cost of Logistics

- Farmers' lack of interest in correctly disposing biomass and lack of proper mechanism to handing the biomass over for an economic value
- Scattered and small farmlands far drawn from the industrial area
- Smaller and multiple trips for collections, aggregation, and processing adding to the cost



## Key Challenges faced by Boiler Owners | Bioenergy Companies & Industry



### Opaque Prices

- Rewards do not offer an incentive for farmer participation; resulting in the burning of agri-waste and wastage
- Opaque and dominated by demand side pricing
- Unequal participant representation leading to driving biomass prices up for end consumers





## Key Challenges faced by Boiler Owners | Bioenergy Companies & Industry

### Limited Supply Options

- Lack of options to choose type and variety of biofuels
- Lack of mechanism to evaluate supplier performance and quality parameters
- Scattered and diverse biomass and biofuel sources
- High interest rates on funding leading to higher storage costs
- Lack of transparent trade finance options to create organized storage facility



## How does BiofuelCircle solve your problems?

Through its unique products, BiofuelCircle is connecting diverse participants through a digital ecosystem.

BiofuelCircle solves these challenges by:



Offering an organized e-marketplace where buyers and sellers can engage in bilateral transactions with the platform



Providing logistics and easy finance services\* to ensure ease of doing business






Bringing a host of value-added services to help remove bottlenecks in the supply chain and create efficiency

\*T&C Apply. Finance at the sole discretion of the finance partner.



## Value for Bioenergy Companies and Industry

-  **Efficient procurement:**  
Easily find suppliers and buyers within your area of operation and ensure reliable supply thus offering ease of procurement
-  **Decision support:**  
Discover prices and evaluate provider performance
-  **Reliable logistics:**  
Get reliable access to biomass, storage, and most competitive transportation options
-  **Dependable green energy source:**  
Reduce your dependency on fossil fuels and move towards sustainability



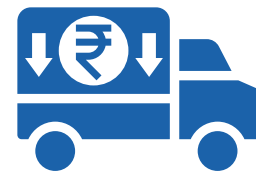
# Benefits of a Cloud-based Bioenergy Platform



## With BiofuelCircle, you can achieve:



Reduction in physical  
**inventory holding**  
cost in excess of  
**50%**



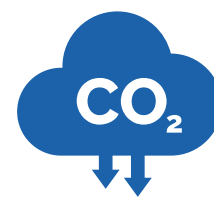
**Inbound Logistics**  
cost reduction  
**20%**



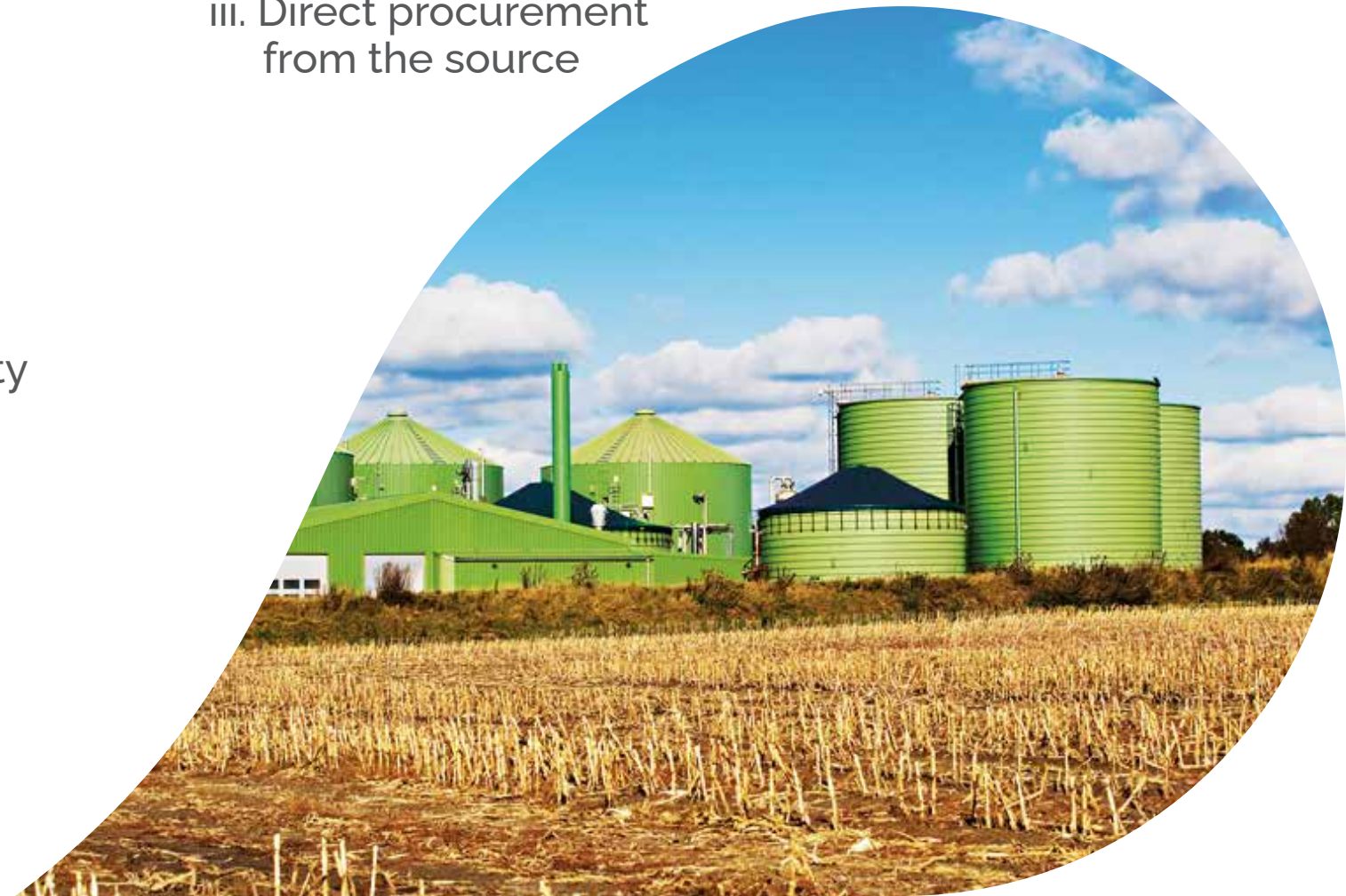
**Lower Fuel Cost** by **10%** due to  
i. Structured deals  
ii. Competitive landscape  
iii. Direct procurement from the source



Your long-term  
**strategic sourcing**  
goals



Your sustainability  
goals of  
**carbon reduction**





**BiofuelCircle is driving disruption through digitalization and helping create a circular economy, that aims at -**

1. Creating rural employment & entrepreneurship opportunities
2. Providing avenues to farmers to increase their income
3. Helping companies achieve their sustainability goals

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We firmly believe that the full benefits of this platform can be reaped only when all the stakeholders join us and our mission of transcending the green energy space. We invite you to build your profile on [www.mybiofuelcircle.com](http://www.mybiofuelcircle.com).





## Value Drivers



Bioenergy  
Advisory



New Business  
Opportunity



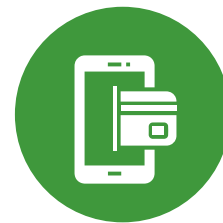
Lower  
Transport Cost



Supply Chain  
Financing



Greater Reach  
for Green Energy



Price Discovery  
Digital Payments



Ease of Logistics  
Storage Efficiency

## BiofuelCircle is committed to



Local  
Jobs



Rural  
Economy



Scale for  
Green Energy



Energy  
Security