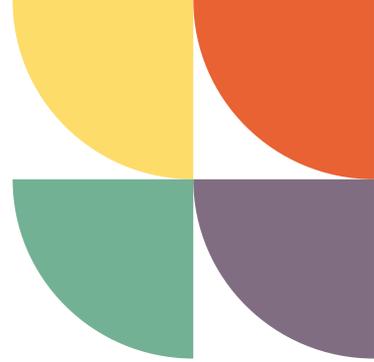




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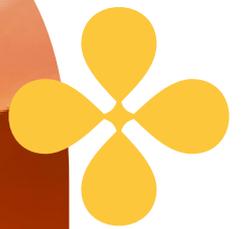


VAAYU – Generation for Generations



# WATT MATTERS 2025

## WEEKLY MEMBER SPOTLIGHTS





# VAAYUMITRA

MAHARASHTRA

EST. 2019

BIO GAS

## ABOUT



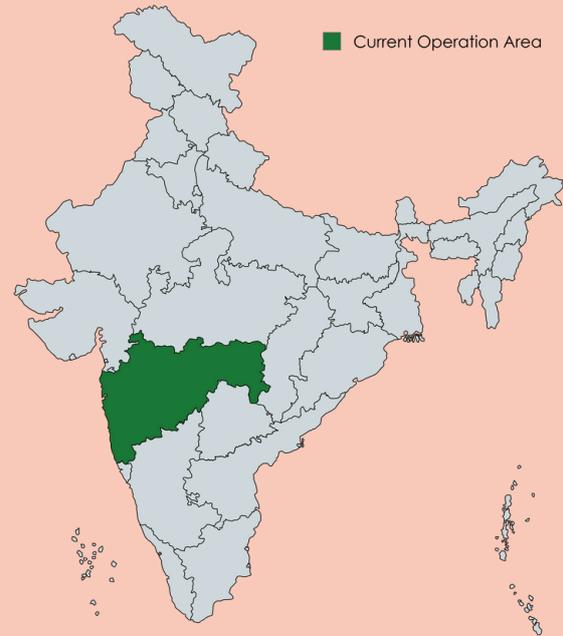
Chakraakar Lifestyle Solutions, headquartered in Pune, Maharashtra, is a climate action enterprise founded by Priyadarshan Sahasrabuddhe.

The enterprise is best known through its brand Vaayu Biogas, which addresses two pressing issues in Indian cities —urban organic waste management and access to climate-friendly cooking fuel. By converting biodegradable waste into biogas, Vaayu provides a sustainable alternative to traditional fossil fuels like LPG and helps ease the burden on landfills.

Chakraakar focuses on decentralizing waste processing by installing compact biogas plants that operate at or near the source of waste. This approach not only generates renewable energy but also creates dignified income opportunities for waste workers, integrating them into a circular economy model.

Current Market

Maharashtra



Map. Current Operation Areas

# TECHNOLOGY & SERVICES

Vaayumitra's core innovation lies in its compact biogas plant systems, which efficiently convert kitchen and food waste into clean, usable cooking gas. These systems are designed for easy installation and are currently deployed across a range of settings—including individual homes, residential societies, institutional canteens, company premises, and hotels and restaurants.

## \* Products

### 01 2 kg Vaayu

Perfectly sized biogas systems for balconies or small spaces

### 02 10 kg Vaayu

Biogas systems perfect for canteens and restaurants, customizable up to 200 kg.

### 03 Rajhans

Rajhans transforms human waste into clean energy and nutrient-rich fertilizer. Perfect for Individual bungalows.



# MARKETS

## \* Market Segments

Vaayumitra operates across multiple customer segments:

- **Business-to-Business (B2B):** Companies with canteens, hotels and restaurants, government institutions, schools, hospitals, and residential housing societies.
- **Business-to-Consumer (B2C):** Limited direct service to households for cooking fuel through biogas systems.

## \* Business and Payment Models

Vaayumitra uses a mix of:

- Capital sales model for biogas plant installation
- Service-based model including waste collection and gas delivery
- PPP and CSR-funded projects with local governments and corporates

The enterprise also engages with informal waste workers, training and formalizing them into its operations model.



Chat. Market Segment

# IMPACT

## Units Sold:

- Over 400 biogas systems installed across urban and semi-urban areas

## Increase in Income:

- Waste workers involved in Vaayumitra's model see an average increase of ₹7,000 per month, through formal employment and value-added roles in waste-to-energy

## Jobs Created:

- 25 direct employees in operations and administration
- 25 additional jobs for waste workers integrated into formal systems

## Efficiency / Time Savings:

- Each plant processes waste at source, eliminating transport costs and landfill dependency
- Daily cooking needs of multiple households or institutions met using renewable gas

## Energy Saved / Environmental Impact:

- Diverts 6–7 tonnes of waste per day from landfills
- Produces over 7,000 standard 19-kg gas cylinders annually from waste



## Way Forward

Vaayumitra aims to scale its model across tier-2 and tier-3 cities in India, integrating urban waste management with local energy generation. By partnering with local climate entrepreneurs municipal bodies, CSR arms, and housing societies, it envisions a decentralized future where waste is no longer a burden but a resource, powering communities sustainably and inclusively.



## Alignment with SDG Goals



## CONTACT

 [support@thecleannetwork.org](mailto:support@thecleannetwork.org)

 [connect@vaayu-mitra.com](mailto:connect@vaayu-mitra.com)