

Project Snapshot

Alcom-01-NuevaEcijaPhilippines

SUMMARY

Alcom's NuevaChar project in Nueva Ecija, Philippines, showcases a transformative approach to rice industry decarbonization. By retrofitting a gasifier for biochar production using rice husks, Alcom has introduced a sustainable waste-to-resource model. This initiative not only boosts agricultural yields by 18%-20% for crops like paddy, onion, and corn but also contributes to methane mitigation in rice fields. Supported by local engineers and the Provincial Government, NuevaChar exemplifies community-driven environmental innovation. With a focus on regenerative agricultural practices, Alcom aims to significantly reduce the carbon footprint of the Philippine rice sector, presenting a scalable model for circular economy and climate action.

The Alcom's NuevaChar Project Reduces Emissions Through:

- **Biochar Production from Rice Husk:** Utilizing rice husk for biochar production, which sequesters carbon in the soil, increasing soil organic carbon and locking CO₂ away for over 100 years.
- **Improved Agricultural Yields:** Recording 18%-20% yield increases in paddy, onion, and corn through biochar application, reducing the need for synthetic fertilizers and their associated emissions.
- **Rice Methane Mitigation:** Applying biochar in paddy fields to reduce methane emissions, a potent greenhouse gas, from rice cultivation.
- **Local Economic Benefits:** Providing employment to local communities, including indigenous tribes, and improving health by reducing CO₂ and black carbon emissions compared to open-air burning.
- **Supporting Circular Economy:** Re-utilizing agricultural waste in an eco-friendly manner that sequesters carbon without polluting the environment, contributing to sustainable development goals.

No Buyers Record

Overview

Project ID	GSRN 643002406801000848
Country	Philippines
Status	Puro Registered & Certified
Methodology	Biochar

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Proponent	Alcom Pte Ltd
Permanence	Over 100 Years
Price per Credit	200 EUR
Credits in Puro Stock	442
Year of First Issuance	2023
Targeting Annual Emission Removal	380 mtCO _{2e}
2023 Emission Removal	420 mtCO _{2e}

CONSOLIDATED PROJECT RATING RANGE

