

NuevaChar

Price 200 € / CORC



ITEM

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DEALER

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Location: Philippines

DESCRIPTION

Alcom is a Singapore-based renewable energy and carbon project developer. We focus on renewable fuels and are heavily invested in carbon removal technologies, with a focus on developing biochar production facilities. Our team members come with decades of experience in understanding GHG emissions, carbon abatement as well as carbon removal projects.

NuevaChar utilizes rice husk as feedstock for biochar production. Alcom has retrofitted a previously mothballed gasifier in the province of Nueva Ecija, Philippines, originally intended to produce heat. The gasifier is linked to four grain drying units managed by the Provincial Government of Nueva Ecija, where the excess heat from gasification is being directed. This project is completely local, from local engineers who worked on retrofits to on the ground production of marketing of biochar, which is intended for local farmers.

The biochar from NuevaChar is being distributed to nearby farmers and Alcom has been conducting farm trials to determine the efficacy of biochar to these farmers. Based off the results, Alcom has received a written confirmation that the Provincial Government is satisfied with our farm trial results and is now distributing the biochar to local farmers within the province. Alcom has recorded 18%-20% yield increases in paddy, onion and corn and is working collectively with farmers to improve agricultural practices and increase food security within the province.

Along with biochar application, we are also working on rice methane mitigation in paddy fields where we apply biochar, promoting regenerative agricultural practices across paddy farmers in Neuva Ecija. Supporting us not only benefits the environment but also local farmers and helps us achieve our goal of eventually decarbonizing the entire rice industry in the Philippines through sustainable and circular practices.

CARBON REMOVAL INFORMATION

Carbon removal method :	Biochar
Capture of CO2:	Fluegas capture
Stabilization of CO2:	Pyrolysis
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Permanence:	Over 100 years

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Status of production:	Audited
Unit of product volume:	tonne
Embodied carbon in product:	0.862
Year of first issuance:	2023
Minimum amount to negotiate:	10
Examples of usage:	

The biochar based carbon is sequestered in the soil, which increases the soil organic carbon. From Alcom's side, beyond the agriculture sector, where these credits and such action is directly relevant, we are comfortable with using the credits as contribution claims towards climate change and as ways to decarbonize Scope 3 emissions that are hard to abate (like shipping, aviation, heavy industry related emissions). Please contact us for further details on the best way to utilize our credits in your decarbonization statements.

Co-benefits:

Co-benefits from this project are linked to the SDGs from this project:

1 (No Poverty) & 8 (Decent Work and Economic Growth) - as our on the ground production staff is fully local and includes members of indigenous tribes – locally referred to as the sons of the soil. Our project provides employment to local Filipino laborers, in rural areas where there are limited economic opportunities.

3 (Good Health and Well Being) - as the biochar gasification process emits significantly less CO2 and black carbon as opposed to open air furnaces, which are currently commonplace in rural areas in the Philippines.

11 (Sustainable Development) -As we are making the communities in Palayan City more closed loop by encouraging re-utilizing of rice husk in an eco-friendly manner that also sequesters carbon without polluting the environment

13 (Climate Action) – As biochar buried in the soil sequesters carbon.

15 (Life on Land) – as biochar enhances the nutritional value of the soil and reduces fertilizer runoff. From our farm trials, we have noted that it also increases the robustness of soil to droughts by increasing the soil's water retention capacity.

**Economic acceleration
impact:**

The extra income from CORC sales allows Alcom to develop pyrolysis technology more suited to rice husk and straw and to the requirements of the rice industry in the Philippines. We plan to use the CORC funding to provide subsidized biochar to farmers and to reinvest with our technology partners to improve the amount of organic carbon in our biochar. Please contact us for more details on our vision of decarbonizing the rice industry in the Philippines.