

NuPort – NuCarbon's Clean Port Solution

Using waste to decarbonise logistics

NuCarbon
Carbon Re-imagined

Who Are We?

Established in 2024, NuCarbon is GreenTech Company with a mission to manufacture fuels, chemicals, and fertilizers with zero carbon footprint.

We have developed technology to transform food waste into bioethanol and biodiesel at prices lower than the Basic Fuel price of petrol and diesel respectively. Our B10 diesel is SANS 342 Compliant.

Track Record



1500+ L of biofuels sold in PoC.



>10 ML/year in LOIs



R8+ mn funding to date



10+ Inventions, patent pending. TRL 5-6

Our Small Modular Biorefinery Technology



Small Modular Containerised

Can be deployed in the Port of Durban



Self sufficient, water positive

Can produce clean water and use low-current solar power



Mitigates up to 153 kT/year CO₂e

Based on 10% biofuel blending rate



R7 – R10L/L ethanol/biodiesel MSP



Capacity: 10 – 100 tpd waste/day
Fully Modular
Fully Scalable

Our Proposal

- To work within the Port of Durban through the NCIC and provide biofuels, initially at <10% penetration.
- This will prove the business case to scale up to convert most of the City's food waste into biofuels and byproducts



Capacity: 2.5 – 300kL-biofuel/day
Fully Scalable

