

# MIDORI ENVIRONMENTAL SOLUTIONS LTD

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## LAWMA – KETU IKOSI BIOGAS PROJECT (CONVERSION OF MARKET WASTE TO ELECTRICITY)

The Ketu Ikosi Biogas Project is the first of its kind in Lagos State.

In Ketu Ikosi fruit market, in conjunction with LAWMA, we are converting fruit waste into biogas.

This biogas is being used to provide electricity to market dwellers particularly in the early hours of the morning when the trucks come in to offload fruits brought in from different parts of the country.

The Ketu biogas plant has a 20,000 litre capacity producing enough biogas to provide 10kw worth of electricity daily.

The Ketu Biogas plant is a pioneering project in Lagos States Governments efforts to reduce its contribution towards greenhouse gases and climate change



## CCL – CONVERSION OF KITCHEN WASTE INTO A VIABLE COOKING GAS

CCL is a corporate breakfast and lunch catering company situated in Victoria Island, Lagos State catering to banks, companies and high net worth individuals.

As a catering firm, the level of organic kitchen waste produced is much more than the average kitchen.

With CCL, we convert approximately 60kg of kitchen waste on a daily basis into biogas which is then used as cooking gas to cook all the food prepared in the CCL kitchen.

With this biogas installation, CCL has been able to completely remove its costs associated with buying propane and other conventional sources of cooking fuel



## CCDI AND LEKKI LOCAL COUNCIL DEVELOPMENT AREA – CONVERSION OF WASTE TO ELECTRICITY

This project is United Nations Development Project (UNDP) funded.

CCDI, a Nigerian NGO set up to develop rural communities approached us and asked how we can help with the waste produced in the local government.

LLCDA is a rural riverine area Local Government. Working with all the stakeholders, we are building biogas plants that will provide electricity from the conversion of fish waste and water hyacinth (once a huge problem) into biogas.

This biogas will then be used to provide electricity for street lights, SMES and the local health centre.



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Environmental Solutions

## OKE ARO PIG FARM

This is the drawing for a 200 KVA power generating unit on a farm in Rivers State.

The source of waste will be pig manure, chicken manure and greenery

