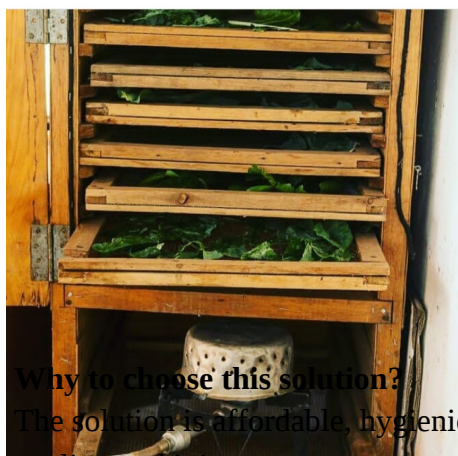


Biogas Drier by Biogas International Limited



Why to choose this solution?

The solution is affordable, hygienic method of wide array of food preservation, improves the food's quality, and it is easy to operate and maintain.

Savings per day or production:

One off-drying have a high production with well preservation of foodstuff like fruits, vegetables and fish. It takes few hours to dry and add value to the food and also saves the user a lot in terms of amount spent in preservation, value addition and food loss compared to other technologies.

Cost in money and in own time to construct:

The solution is less costly to construct since it involves use of locally available materials, which are easily assembled. Construction takes 1-2 days.

Lifetime:

At least 6 years.

Maintenance needed:

Very simple to maintain by ensuring that there is enough gas in the system, the Drier is in good condition, The Driers are made of wood which are easy to assemble and maintain.

Resources needed in use:

Biogas for energy supply., Wood, nails, shade net and a room for keeping the drier.

Problems and limits:

Financial constrains to expand the process. It is also a new solution which require robust promotion and awareness to increase or expand its uptake and adoption.

Where and how can you get it or make it?

They are constructed by Biogas International Limited which has a head office In Nairobi Karen, Ngong Road Mwit plot 33. It is also available at Dunga Beach in Kisumu county, and Vihiga county where a client is using it for soya beans drying.

Skills needed to produce, install. maintenance, use:

It is simple to make and made plus carpentry skills and just few skills on Biogas management.

How to use it:**How to maintain it:****Climate effect (if any):**

Fruits pilling are used to produce Biogas which can be used for cooking hence minimizes deforestation and pollution which helps in climate change mitigation. It is also an environmental and climate friendly way of drying fruits and vegetable and encourages fruits farming which improves land cover.

Where it is used and how many users are there?

The solution is used in Nairobi where fruits are being dried and sold to a bigger population, used at Dunga Beach in Kisumu County where fruits and fish are being dried and sold out too many people. The solution is also used by several clients across the country.

Why is it successful?

Successful because it is simple, reliable and efficient to use and easy to maintain. It is also perfect way of preserving food, value addition.

If you can make it, a short description, typical problems, materials needed:

The user will need Biogas system, wood, nails, shade net and a skilled carpenter to make the drier and maintain it easily by simple operations.

How to make it (if possible):

Biogas Drier by Biogas International Limited

How is it delivered and by whom?

Biogas Drier by Biogas International Limited

Successful financial model

Finances are from the company profits, and partnerships.

What policies and strategies helped the success?

Public health policies on food handling, green energy policies and service provider customers relations policies.

More info:

More information is available at www.biogas.co.ke. and Facebook, twitter, Instagram and you tube @Flexi Biogas

Sources:

Biogas International Limited Company.

When was the case uploaded?

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