

# Where to buy home biogas

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Turn your organic waste into renewable clean cooking biogas and liquid bio-fertilizer with this innovative, easy to install off-the-grid system. Upcycle your food and help save the environment by reducing your carbon footprint and maintaining a self-sufficient life.

Whether you operate your own Tiny House homestead like John and Fin or are just busy running your personal household, a HomeBiogas system is an accessible and affordable way to reduce your carbon footprint and create clean energy for yourself.

"This is an amazing system! It really works and it's effortless. You just add your waste to it and you get free gas to cook with. It's so worth it when I think about how much people spend on fuel right now."

What if you could produce natural gas at home from your organic waste? And what if we could prepare dinner with the energy produced from the remains of lunch? This is what the Israeli start-up HomeBiogas is offering with its domestic digester. 1kg of waste = 1 hour of cooking. HomeBiogas can gobble up as much as 6 liters of food waste (or 15 liters of manure) per day.

How does it work? By anaerobic digestion - a natural biological process that breaks down organic matter in the absence of oxygen. Fermentation produces a gas rich in methane, called biogas. Municipalities, manufacturers and farmers have long been producing biogas from organic waste (agricultural by-products, sewage sludge, etc.). Individuals, for their part, sometimes transform some of their waste into fertilizer via composting, but have not been able to make use of anaerobic digestion in order to produce energy.

HomeBiogas makes this process accessible to everyone. The anonymous start-up has developed a system specifically designed for domestic use, which makes it easy to produce biogas on the scale of a household scale. The device, in which you just have to put your leftover meals (vegetable peelings, dairy products, meat fat and bones, etc.) or manure, is connected to the cooker in the house so that the gas produced can be directly used for cooking.

The digester can be installed in a couple of hours and is discreetly located at the bottom of the garden. HomeBiogas recommends using an authorized technician to connect the gas hose to the cooker and specifies that the system operates optimally when the temperature is around 17°C. Selling at \$1,090 (around EUR1,050) all over the world, it would pay for itself - according to company's calculations - in three years...

In addition to allowing families to reduce their carbon footprint, HomeBiogas is an innovative solution that can provide energy for people living in remote rural areas. In 2015, the start-up installed about forty digesters in the Palestinian village of Al-Awja as part of a project financed by the European Union.

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