



The MyGug Vision



MyGug is on a mission to enable communities to use food waste to create renewable energy now and for the future.

The MyGug Story



MyGug – Perfect for food waste



100% food
waste
eliminated

Renewable
Cooking Gas
produced

Liquid fertiliser
for growing
more food



The MyGug Vision – There is no Planet B



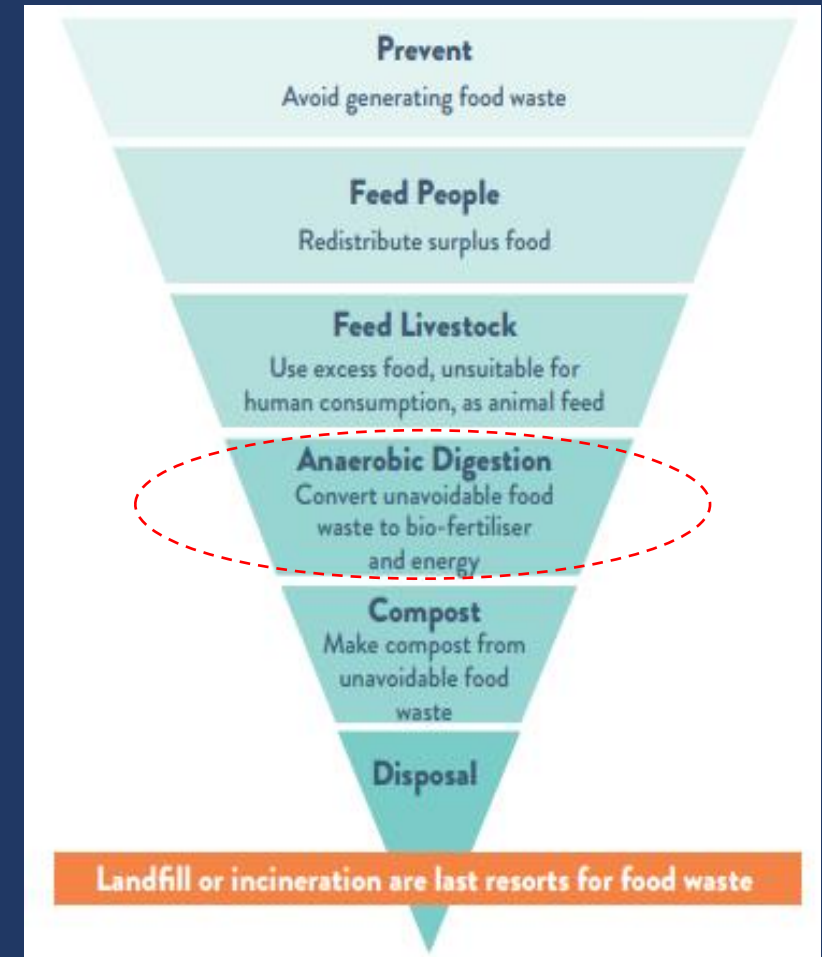
Our Vision

MyGug is on a mission to enable micro renewable energy generation in food business , help lower GHG emissions and reduce excess food waste

Our Product

- Sustainable, circular economy climate-tech which offers real, additional and verifiable climate change mitigation.
- Lessens dependence on fossil fuel energy and provides optimum value from the energy derived from food waste in business.

The Problem: Food Waste



Food Waste: A Global Problem

Every year a third of food intended for human consumption is lost or wasted. This is over a billion tons of food and almost €1 trillion in economic losses

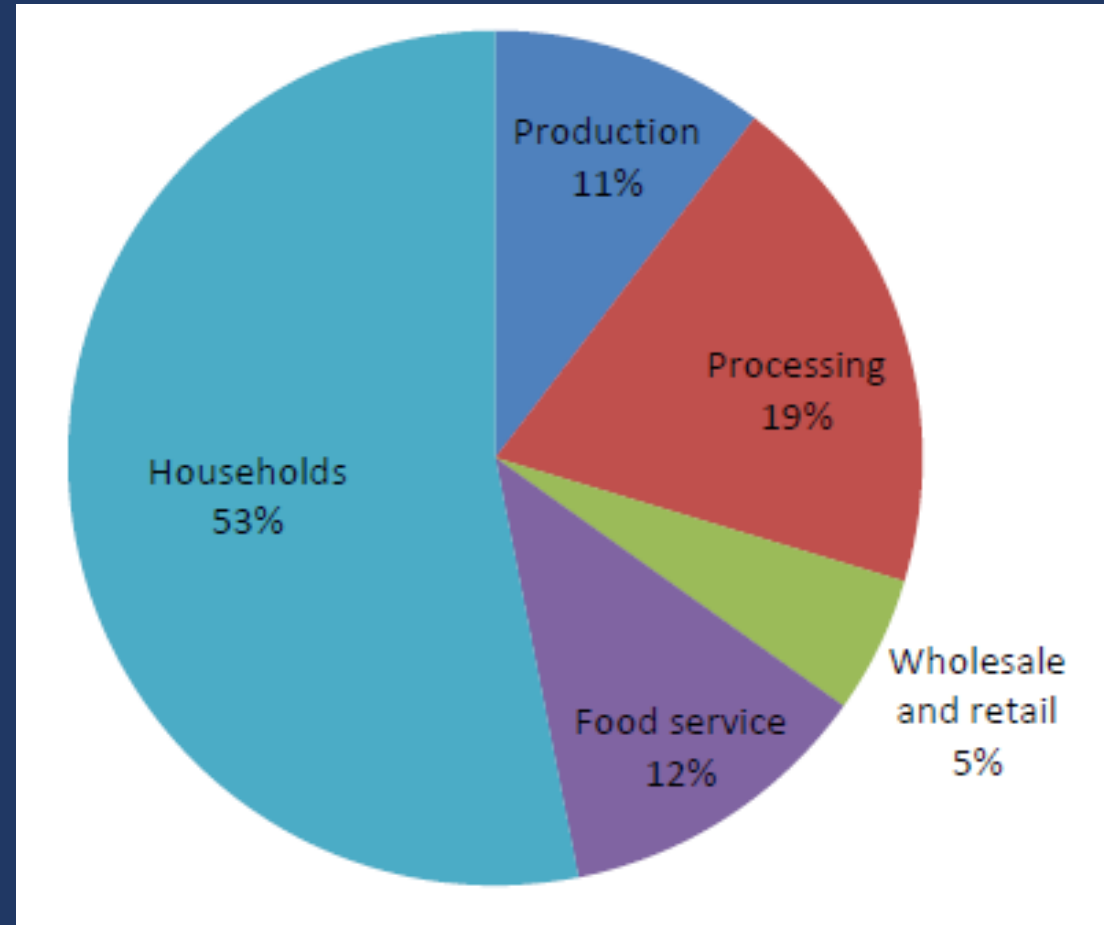


But this waste can be diverted from landfills and harnessed to create renewable energy

Food Waste in the EU

Food Waste

- 90 Million tonnes per year in the EU
- 300 Croke Parks Full!
- 92Kg/person/year



Another Problem: Energy Costs

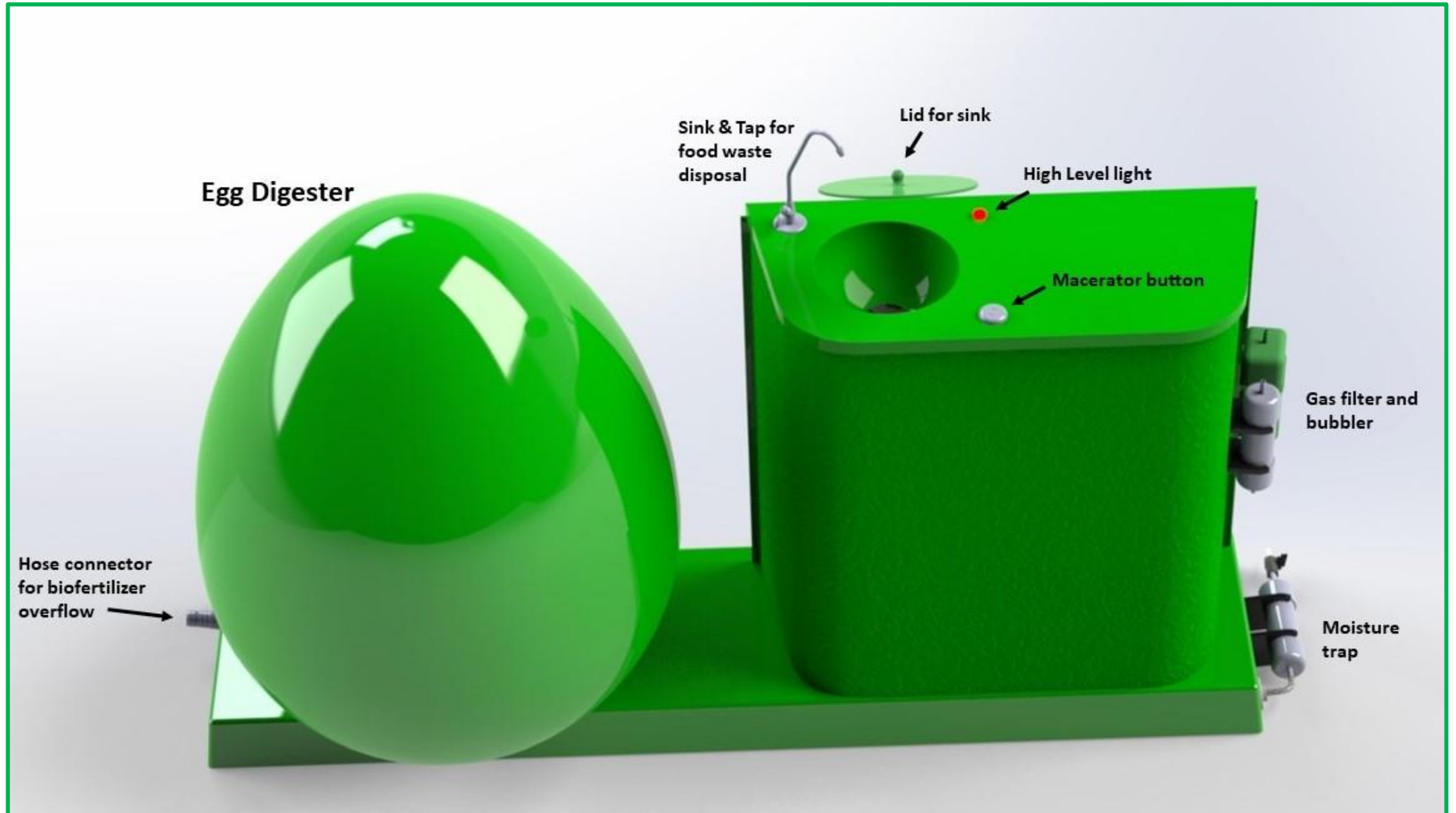
- Unprecedented price hikes for gas and electricity
- Families and communities are burdened with extra costs
- We are still dependent on fossil fuel for energy creation



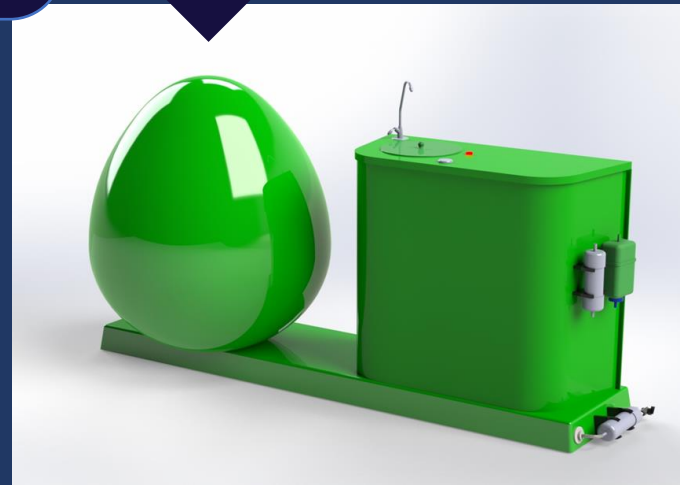
Company	Electricity Increase (%)	Gas Increase (%)	Estimated Increase (€)
Bord Gáis Energy	+34%	+28%	€540
electric ireland	+20%	+16%	€328
enèrgia	+45%	+42%	€805
FLO GAS	+44%	+23%	€718
sse Airtricity	+17%	+16%	€302

Percentage figures represent increase in October 2022. The estimated euro increase is an annual figure based on the average 2022 figures supplied by Bord Gáis.

MyGug – How it works



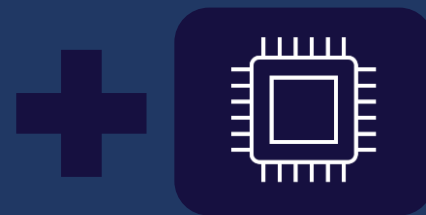
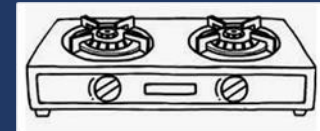
The MyGug Product



Digestate



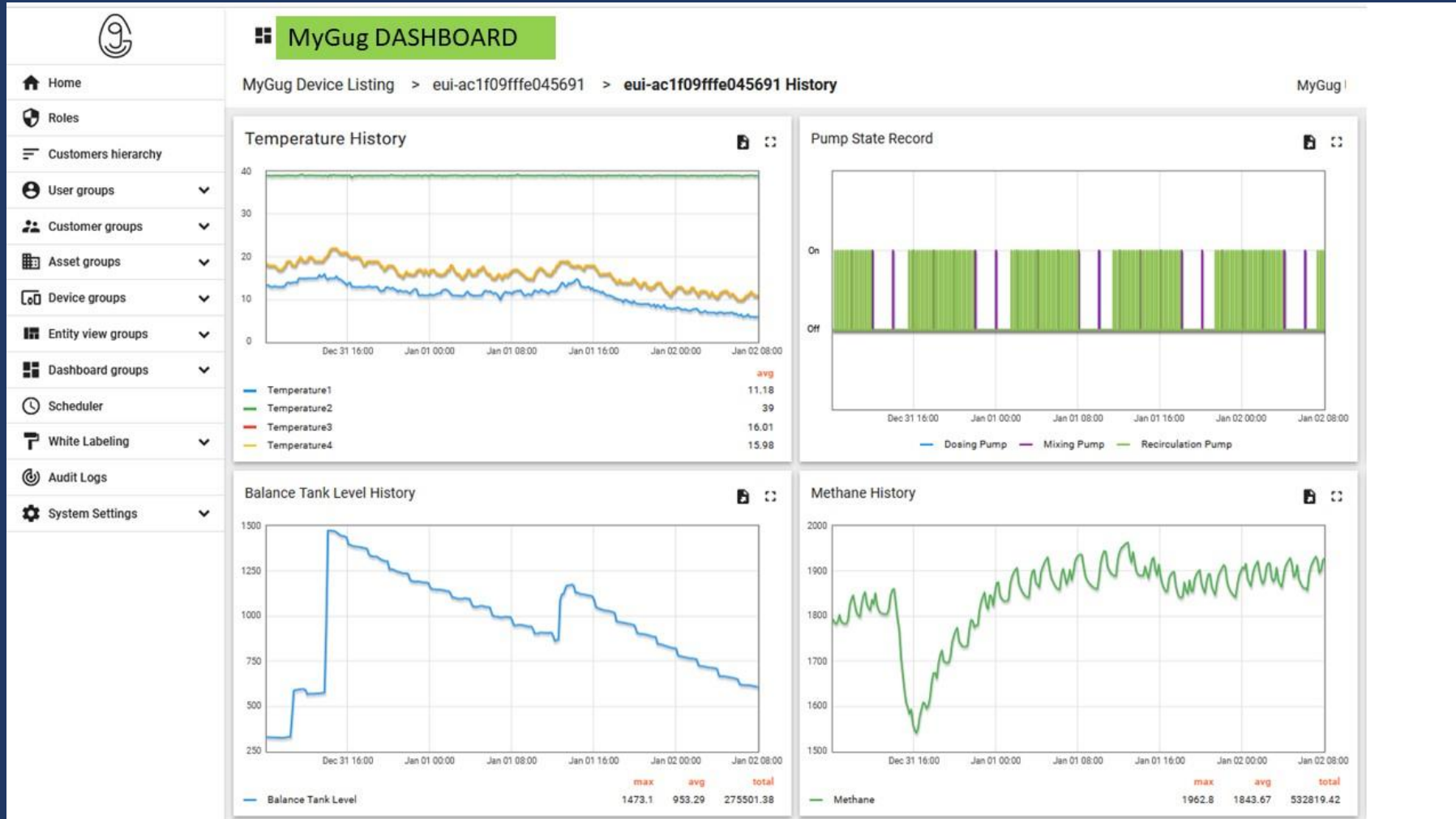
Biogas



Connect via MyGug Dashboard

Technology

- Controller supplied complete with a plug and play box that will connect to the cloud via a LoraWan Gateway
- MyGug Dashboard will generate valuable data about system functioning and carbon savings.



- Biogas is safe
- MyGug digesters CE certified
- HAZOP studies completed
- Product guarantee



MyGug Maxi

Takes 18 kg of Cooked and Raw Food Waste Per Day

Produces 36 litres of bio-available liquid fertiliser Per Day

Produces up to 6 hours of biogas cooking on supplied 3 KW biogas cooker

Gas Storage Bag Provided

Excellent sustainability credentials

Optimum use of food waste

Consistent renewable energy supply

Micro Circular economy











MyGug Clients

www.mygug.eu



ZPQ CONSULTORES



University of
HUDDERSFIELD



Cork College of FET
Cork's Further Education & Training Service



MyGug

Environmental Commitments and Mission are 100% Aligned



MyGug will reduce GHG emissions through using excess food waste and converting it into a replacement biogas for cooking and fertiliser for growing

MyGug is a circular economy solution that provides users with a verifiable and real response to climate change, reducing the need to recycle

MyGug offers a micro-scale solution for restaurants and catering locations to convert food waste into a renewable energy source for cooking, reducing energy usage

Our Value

Problem

Solution

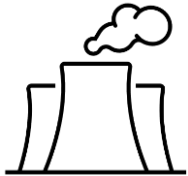
Savings



#1: Waste

Almost all food waste can be diverted to MyGug for gasification minimizing bills and offering easy waste management

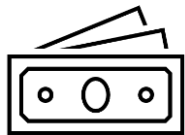
Micro: €150 per annum
Maxi : € 2000 per annum



#2: GHG Emissions

Carbon footprint reduction due to replacement of fossil fuel natural gas and elimination of transport of waste and associated landfill GHG emissions

Micro: 4t CO₂e/annum
Maxi: 55t CO₂e/annum



#3 Operating Costs

Increased energy security and reduced exposure to market/bill shocks with waste removal costs also reduced. Significant benefit of high-quality fertiliser produced for grow-your-own

Micro: €154 gas and €85 fertiliser savings per annum
Maxi : €1280 gas and €210 fertiliser savings per annum

Payback period range of 5-8 years

Sustainability and Circular Economy

- MyGug is built on a vision of making a real climate impact through our work
- We are committed to ensuring additionality and ensuring that partnership with our company will result in the right outcomes and impacts for our planet
- MyGug contributes to the following UN Sustainable Development Goals and we are committed to supporting the SDGs that fall under our control:



- In time we have a goal of “one for one” to 3rd world countries once unit sales exceed 500 units, which will result in MyGug contributing to these additional SDGs:





www.mygug.eu