



**MyGug**  
Small Digester Series

# MyGug Food Waste to Energy in Islands

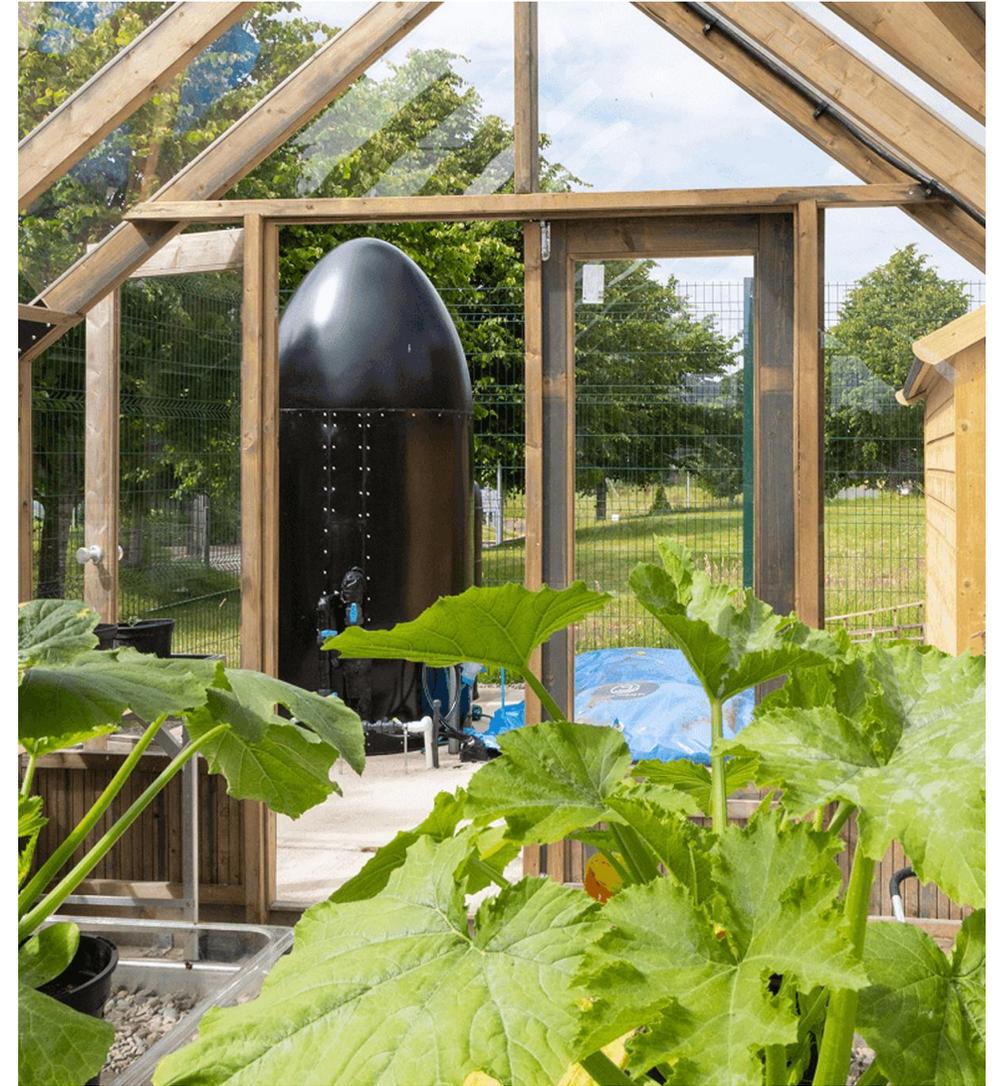
# Enhancing Sustainability and Protecting Biodiversity and Environment in Islands

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Our green technology and MyGug food waste to energy digester enhances environmental health through sustainability in practice

Delivers immediate carbon savings and a source of renewable energy, supporting net zero and climate action targets.

- Green tech innovation – small digester converts food waste to energy, enhancing resilience
  - Up to 20kg food waste = up to 6 hours cooking energy per day
  - Sustainable food waste management for carbon savings
  - Up to 7.5 tonnes per year = > 20 t CO<sub>2</sub>eq
- Technology addresses multiple SDGs





# MyGug Green Technology for Islands

MyGug is an easy-install compact digester with a sleek design.

- Plug & Play MyGug digester unit outside converts food waste to energy, installed by certified product technician
- Biogas piped to cooking stove inside
- Safety standards: CE certified, product guarantee
- Customer service agreements tailored to the organisation
- Payback of 3-5 years

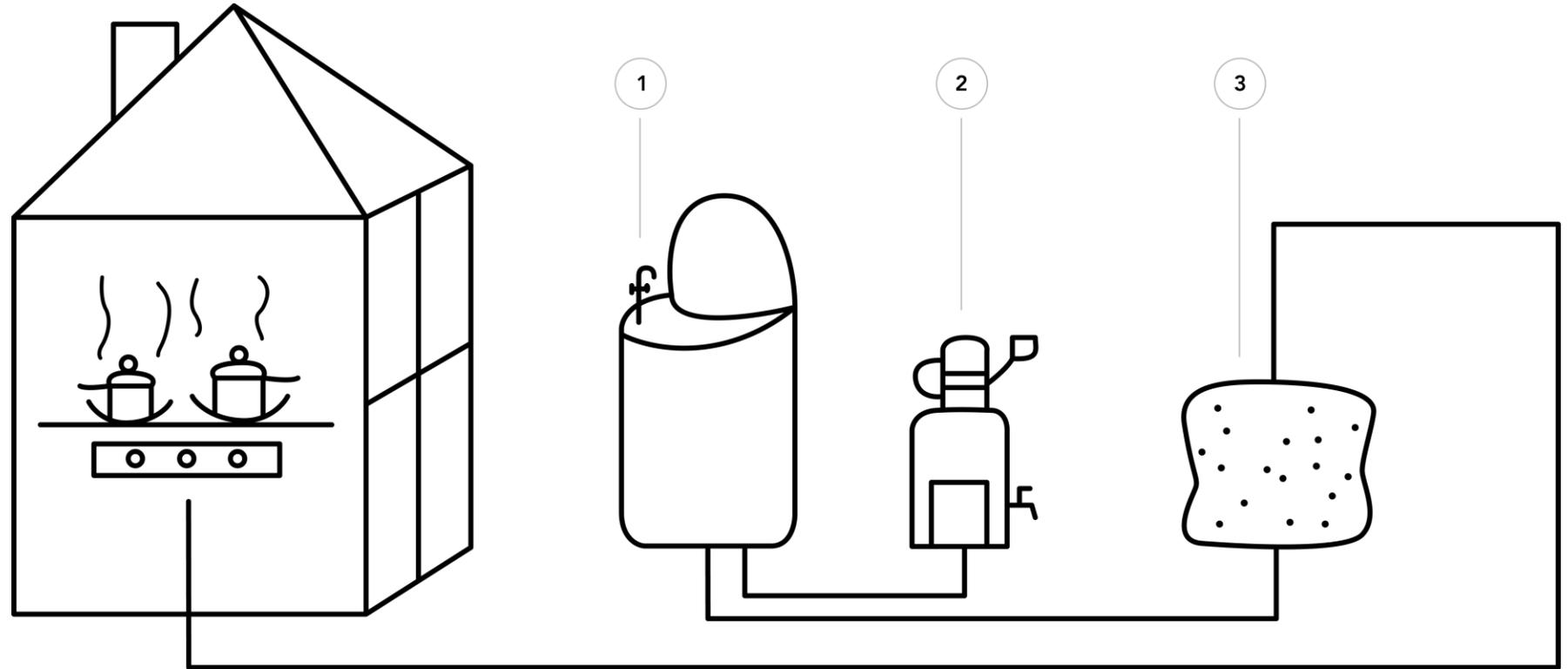
Measurable results & outcomes

- Reduction in carbon footprint from food waste
- Valuable source of energy – circular economy
- Savings in energy costs
- Reduced food waste collection and environmental costs

# MyGug in Goleen Harbour – Eco Tourism and Circular Economy using MyGug



# How It Works



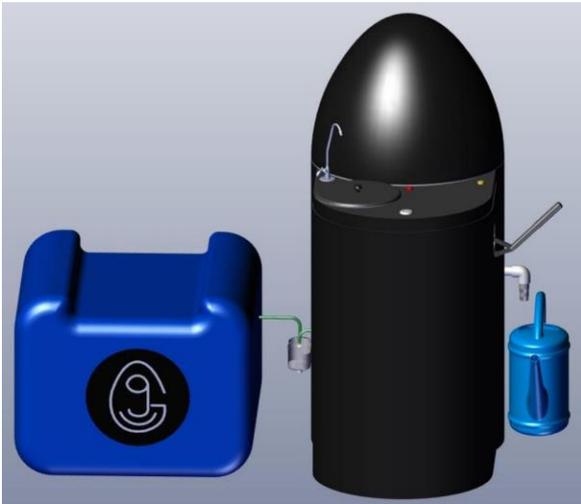
1 Food is fed to MyGug

2 Food waste is converted to renewable energy for cooking and growing

3 Biogas for cooking and fertiliser for growing creates a micro circular economy

# MyGug Models

MyGug Micro



**Capacity:**

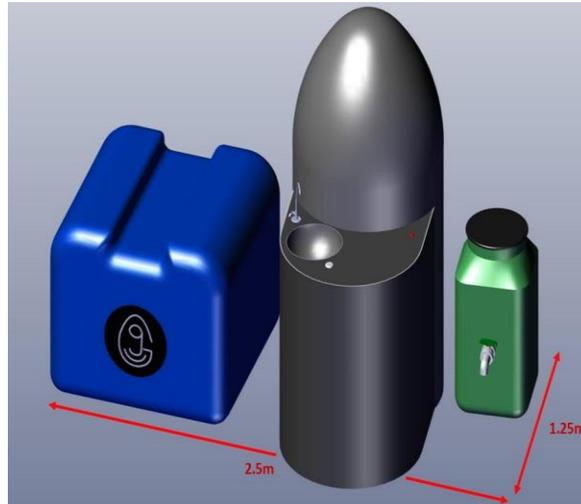
1.5KG food waste per day

**Suitable for:**

Households

Schools

MyGug Mini



**Capacity:**

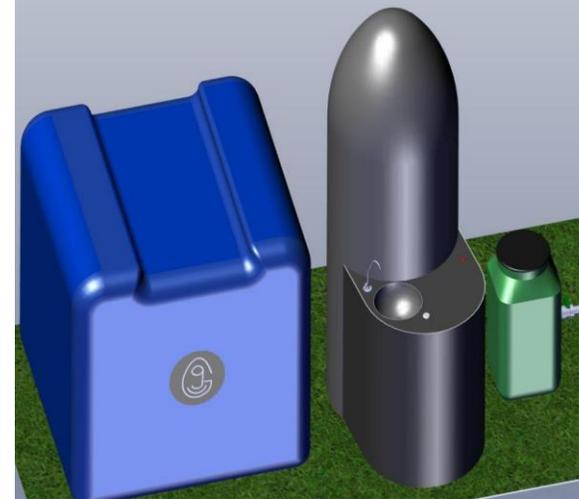
5.5KG food waste per day

**Suitable for:**

Schools

Small Commercial

MyGug Midi



**Capacity:**

11KG food waste per day

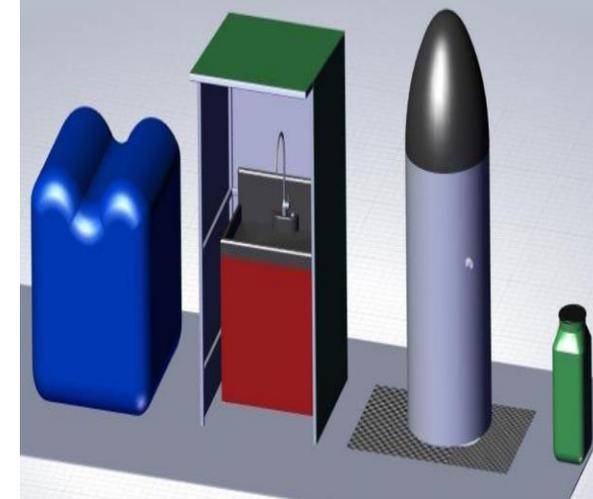
**Suitable for:**

Schools

Universities

Commercial

MyGug Maxi



**Capacity:**

18KG food waste per day

**Suitable for:**

Schools

Universities

Commercial

# MyGug for Micro Circular Economy

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www.amugreen.com

# An Gug - Tograí Chléire

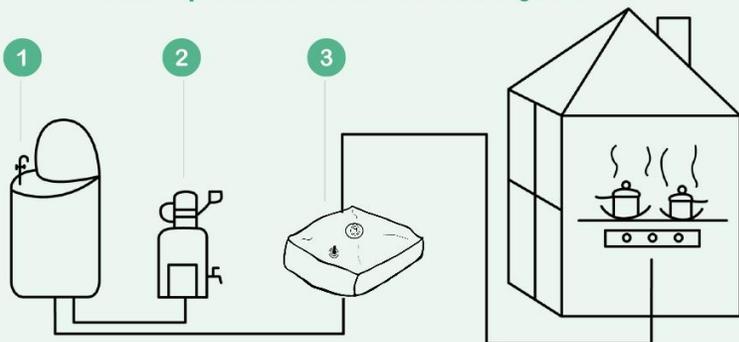
## MyGug - Cape Clear



www.oileanchleire.ie

**Ag iompú Dramhaíl Bia ina Fuinneamh agus ina Leasachán trí Dhileá Anaeróbach**

Food waste goes in, clean energy comes out, through a completely natural process called anaerobic digestion



**1** *Dramhaíl Bia ón bpobal isteach sa Gug.  
Food waste is fed to MyGug.*

**2** *Dramhaíl Bia iompaithe ina fuinneamh glan - bithghás - don chistin & don gháirdín ag bactéir anaeróbacha.  
Micro-organisms break down food waste, transforming the waste into renewable energy that can be used for cooking and growing.*

**3** *Cruthaíonn an córas micrea-gheilleagar ciorclach. Tairgí ar fáil don bpobal.  
Biogas for cooking and fertiliser for growing create a micro circular economy.*

Funded by the Government of Ireland under the

**Community Climate Action Programme**



Riailtas na hÉireann  
Government of Ireland



WE'RE  
TAKING  
CLIMATE  
ACTION



Comhairle Contae Chorcaí  
Cork County Council



Tograí Chléire

RCN 20206780  
CHY 23237

Cape Clear Island in West Cork – This island has embraced micro circular economy using MyGug to use food waste as a source of renewable energy in daily life.



# Our Values

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We believe everyone can have a positive impact on the planet and reduce carbon footprint everyday. This is why we have designed a solution that turns food waste into clean energy for homes, schools, colleges and businesses, for everyone.



## Innovation

Green tech innovation enables us to play our part in addressing the climate challenge



## Sustainability

We want to inspire everyday climate action



## Circularity

We are committed to making circularity work for people, communities, schools, universities, businesses and organisations



## Collaboration

We value collaboration to maximise positive impact for people and planet.

# The MyGug Sustainable And Circular Economy- supporting communities

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# The Climate Challenge

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Urgency of climate action. Greenhouse gas reduction. Net zero.

- Sustainable food waste management through our green technology
- Fostering innovation and change through learning, research and positive climate action
- Food waste management
  - Reducing & recycling food waste
  - Decreasing issues including contamination and reliance on fossil fuel energy
  - Enhances energy security
- Carbon footprint reduction and net zero
  - Food waste contributes to up to 10% of global carbon emissions- a burden in islands
- Social & Environmental Impact
  - Making a positive social impact
  - Sustainable solutions that work into the future
  - Supports Food and Energy Security





# Thank You



For further information please contact:

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