# RGGO's

## POSSIBLE WAYS TO OFFSET YOUR FOSSIL FUEL CONSUMPTION

1

### EMBRACING SCOPE 2 & 3 ACCOUNTING AND REPORTING STANDARDS

Option 1: Switch to physical Biomethane supply (where available) & benefit from RGGOs

Option 2: Buy RGGO certificates for carbon emissions offset by matching your fossil gas use and have them retired to your entity

### SUITABILITY - WHO WILL BENEFIT FROM BIOMETHANE (B) OR RGGO CERTIFICATES (RG)

**B** or **RG** - Any organisation producing significant emissions, or proactively seeking to reduce them (not limited to natural gas users), and wanting a credible, auditable renewable-gas claim

**B** - Ideal for boilers, CHP, process heat, kilns, data centres, district energy, or fleet CNG/LNG

**UTILISING CERTIFICATES OVER BIOMETHANE GENERATION**


## HOW TO PURCHASE CERTIFICATES

A

### LLB CAPITAL CAN RETIRE ON YOUR BEHALF

- We source RGGOs that replicate your fossil fuel consumption, including the years/vintage you would like to offset
- You confirm beneficiary legal name (entity/site)
- We retire the certificates in the GGCS registry. A compliance and recognisable tool for accounting standards.

OR

B

### OPEN A GGCS ACCOUNT

- You register with the GGCS and appoint us as your agent
- We transfer the RGGOs to your account

2

### RETIREMENT CONFIRMED

Allocated serial IDs are 'Retired' in the GGCS to [Your Company / Site]

Registry status shows 'Retired' with beneficiary name, volume (MWh), vintage, plant, feedstock, and retirement date

Note: Retirement prevents double-counting - the attribute is now exclusively yours


3

### DOCUMENTS YOU RECEIVE

- GGCS Retirement Statement (PDF)
- Certificate list (CSV/XLSX) with all serial numbers
- Supplier attestation referencing the GGCS transaction

Important: This is a book-and-claim environmental attribute. While It does not change the physical gas at your site, it gives you auditable proof, which can be used for reporting, commercial tenders, and financial incentives

**CONTACT LLB CAPITAL TO GET STARTED**

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## EXAMPLE

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### ABC Glass Manufacturer PLC

ABC Glass Manufacturing PLC operates large glass furnaces that run continuously at temperatures above 1,500 °C. Their furnaces are extremely energy-intensive and rely heavily on natural gas.

Even though ABC Glass started using Anaerobic Digestion (AD) in 2014 - turning its own waste into Biomethane - the furnaces still consume 20,000–50,000 cubic meters of fossil natural gas each day.

1 cubic meter of natural gas gives off about 1.9 kg of $CO_2$ when burned.
20,000 $m^3$/day = 38 tonnes of $CO_2$/day, and 50,000 $m^3$/day = 95 tonnes of $CO_2$/day.
Annually - 13,000–35,000 tonnes of $CO_2$ emissions.

That is roughly the same as:
The annual carbon footprint of 3,000–7,500 passenger cars, or
The yearly electricity consumption of over 23,000 homes

At current EU carbon prices (13,000-35,000 tonnes of CO2) those emissions represent an emission cost of about €100,000–€250,000 per year.

## Path to ABC Glass complying with Scope 3

Despite ABC Glass manufacturing's effort to reduce GHG by utilising Biomethane, it seems they still rely on fossil fuels

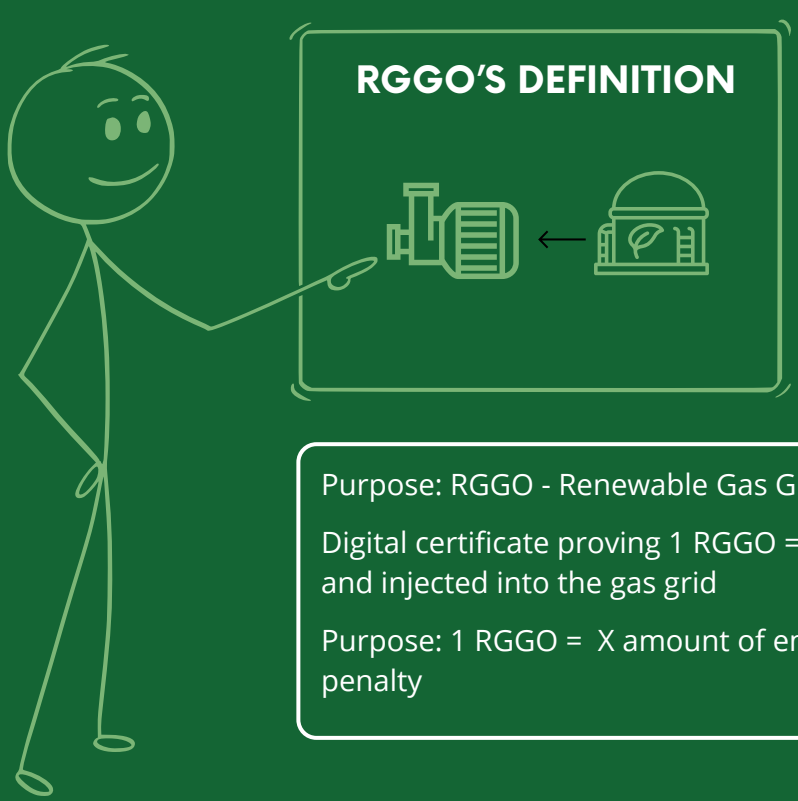
The company could consider complying further with SCOPE 3, RED II and reduce possible carbon taxes by:

1. Procuring their remaining fuel demand from natural gas to biomethane, benefiting from RGGOs
2. Purchasing exclusively RGGOs

Alternatively... moving to an electric furnace, which can improve energy efficiency - however this is usually more complex and costly for high-temperature industries like glass manufacturing

**Solution 1 and 2 allows ABC Glass to:**

- Unlock green premiums and new customers
- Benefit from lower-cost financing
- Boosting brand reputation
- Demonstrate carbon-offsetting leadership




Purpose: RGGO - Renewable Gas Guarantee of Origin

Digital certificate proving 1 RGGO = 1 MWh of biomethane was produced and injected into the gas grid

Purpose: 1 RGGO = X amount of emissions save and x amount of financial penalty

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