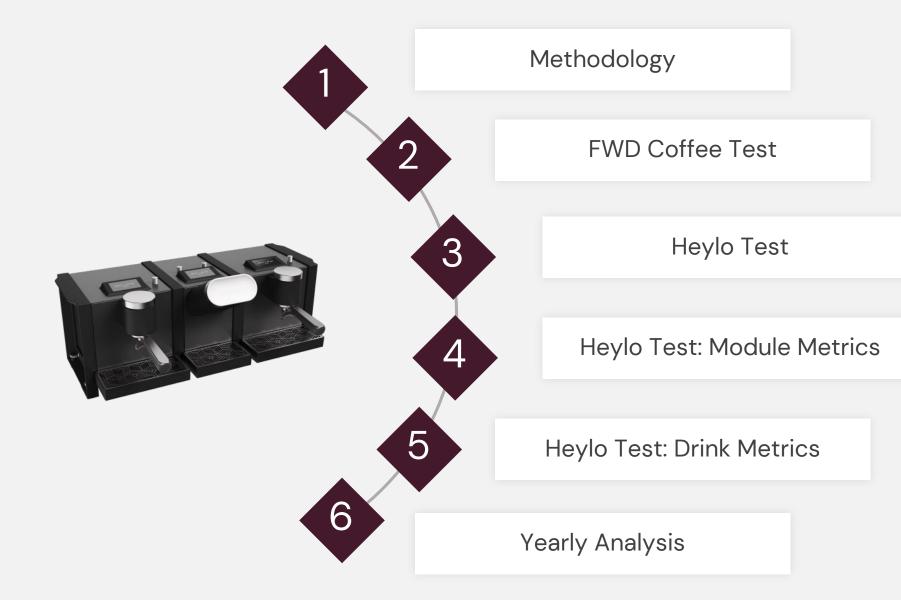
## Heylo CO2 Efficiency Project

March 2024





### Agenda





## Methodology

#### **Carbon Footprint Methodology**

GREENHOUSE GAS PROTOCOL The GHG Protocol is the world's most widely used greenhouse gas accounting standard



Scope 1 includes all carbon emissions that can be directly managed by the accounting corporation (direct carbon emissions). This includes emissions generated by the combustion of fossil fuels (mobile and stationary), chemical and physical processes, and the use of refrigeration and air conditioning equipment.



Scope 2 represents indirect carbon emissions from purchased electricity, steam, district heating and cooling. All emissions that are caused by fossil fuel combustion by external energy providers are listed here. The identification in a separate category avoids double counting when comparing CO2eq emissions from different companies. SCOPE 3

All remaining carbon emissions that cannot be directly managed by the company belong to Scope 3 (other indirect carbon emissions). This includes all carbon emissions that are related to products and services used or processed by the accounting corporation. Carbon emissions that are associated with the use of sold products and services are also included. Ecofye

## Results

## CO2 Specialty Coffee Shop Test 7th February 2024

Main Results Energy consumption for the day

**19.87**kWh

Emissions for the day



Scope 3 emissions for the day



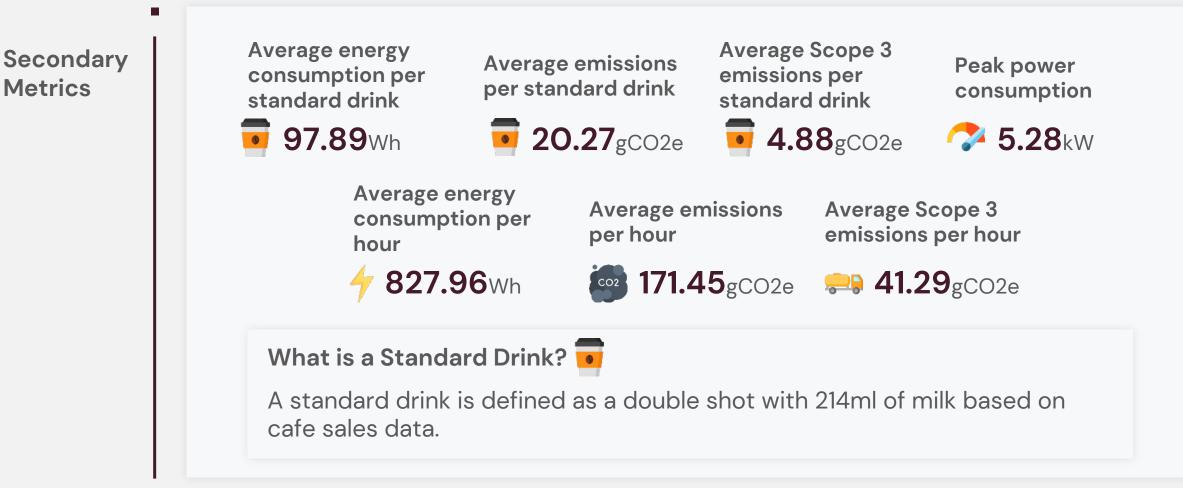
#### Why are there 2 emission values?

Emissions are divided into 3 Scopes (see Slide 3), electricity emissions are mainly attributed to Scope 2 but emissions related to extraction, refining and transportation of primary fuels before their use in the generation of electricity fall into Scope 3 emissions. In this case, total emissions per day will therefore amount to 5.10 kg CO2e (4.11+0.99).

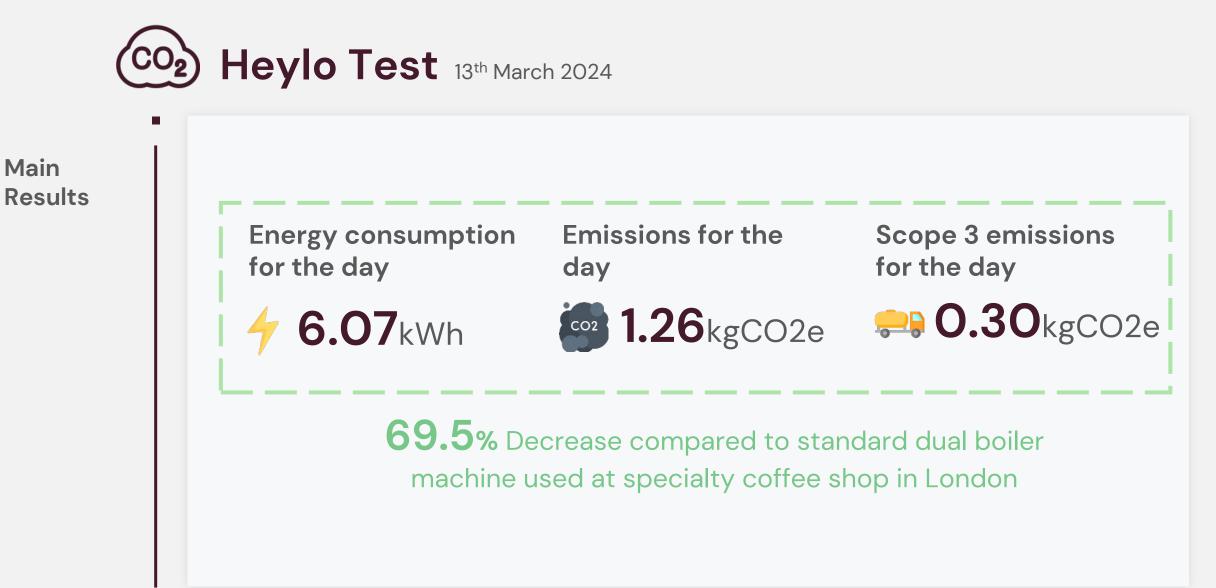
Ecofye

#### Results

## CO2 Specialty Coffee Shop Test 7th February 2024



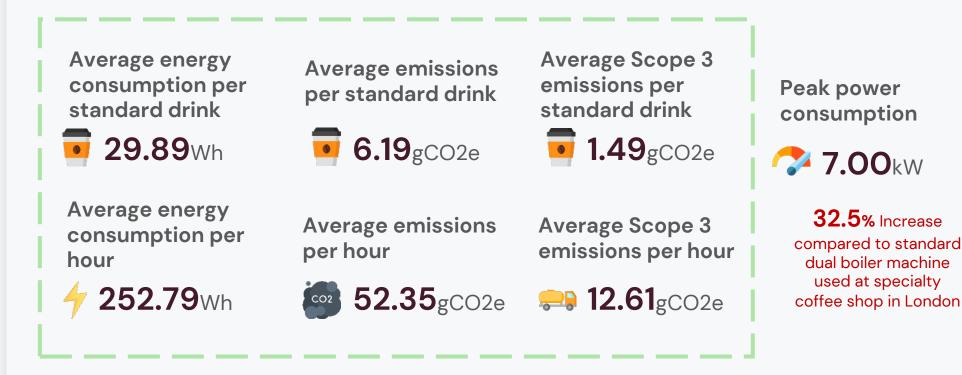








Secondary Metrics



**69.5%** Decrease compared to standard dual boiler machine used at specialty coffee shop in London





Module Metrics 

#### Coffee Module 1



Energy consumption for the day



Emissions for the day



Scope 3 emissions for the day



#### Milk Module



Energy consumption for the day

**2,886.20**wh

Emissions for the day



Scope 3 emissions for the day



#### Coffee Module 2



Energy consumption for the day



**Emissions for the day** 



Scope 3 emissions for the day





Drink Metrics Average energy consumption per double shot 15.67Wh

Heylo Test 13th March 2024

Average emissions per double shot

**3.24**gCO2e

Average Scope 3 emissions per double shot

**0.78**gCO2e

Average energy use per dose of milk

**14.22**Wh

Average emissions per dose of milk

**2.94**gCO2e

Average Scope 3 emissions per dose of milk



What is a dose of milk?

A dose of milk is calculated from cafe sales data, it represents 214ml of milk.



# **CO2** Yearly Analysis

Comparison with Equivalent Metrics



