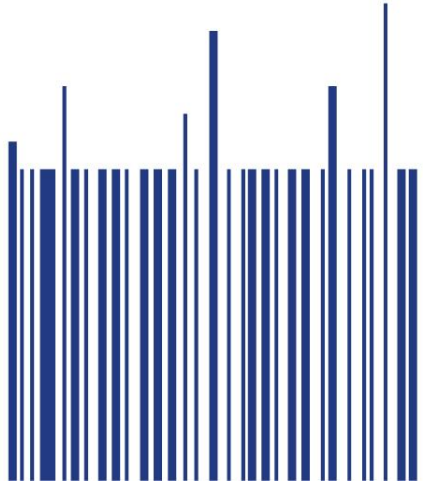
Carbon Footprint
FDL Group
2024



Contents

1. Corporate Profile

1997

FDL Group commenced its operations in 1997.

2000

The company became the first to provide nationwide logistics services for Kraft Foods Hellas.

2002

Expanded its client portfolio by partnering with Makro C&C (now The Mart).

2011

Entered the international transport sector with the acquisition of Velos Trans S.A.

2012

Expanded operations to Cyprus with the establishment of Foodlink CY.

2019

Became the exclusive representative of Geek+ in Greece and Cyprus.

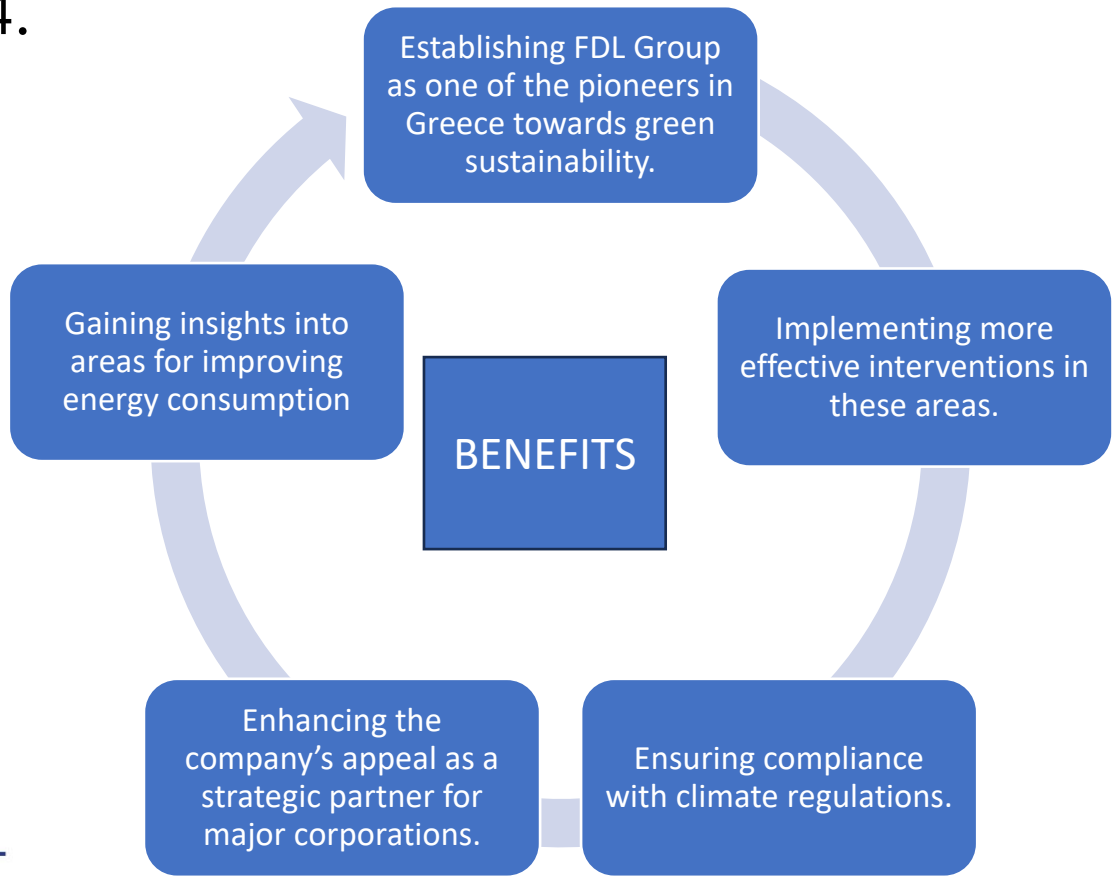
2021

Acquisition of 55% of Athinaiki Transport services.

2. Purpose and Benefits of the Study

Purpose

- To calculate the carbon footprint generated by the operations and processes of the FDL Group for the year 2024.



3. Emission Categories

Scope 1 (Direct Emissions)

These are emissions from sources **owned or controlled** by the 3PL company.

- **Fleet Vehicles:** Emissions from company-owned trucks, vans, and delivery vehicles.
- **Warehouse Equipment:** Fuel combustion from forklifts, generators, or other machinery.
- **Facility Heating:** Natural gas, diesel, or other fuels used for heating warehouses or offices.

Scope 2 (Indirect Energy Emissions)

These are indirect emissions from **purchased energy** used in facilities.

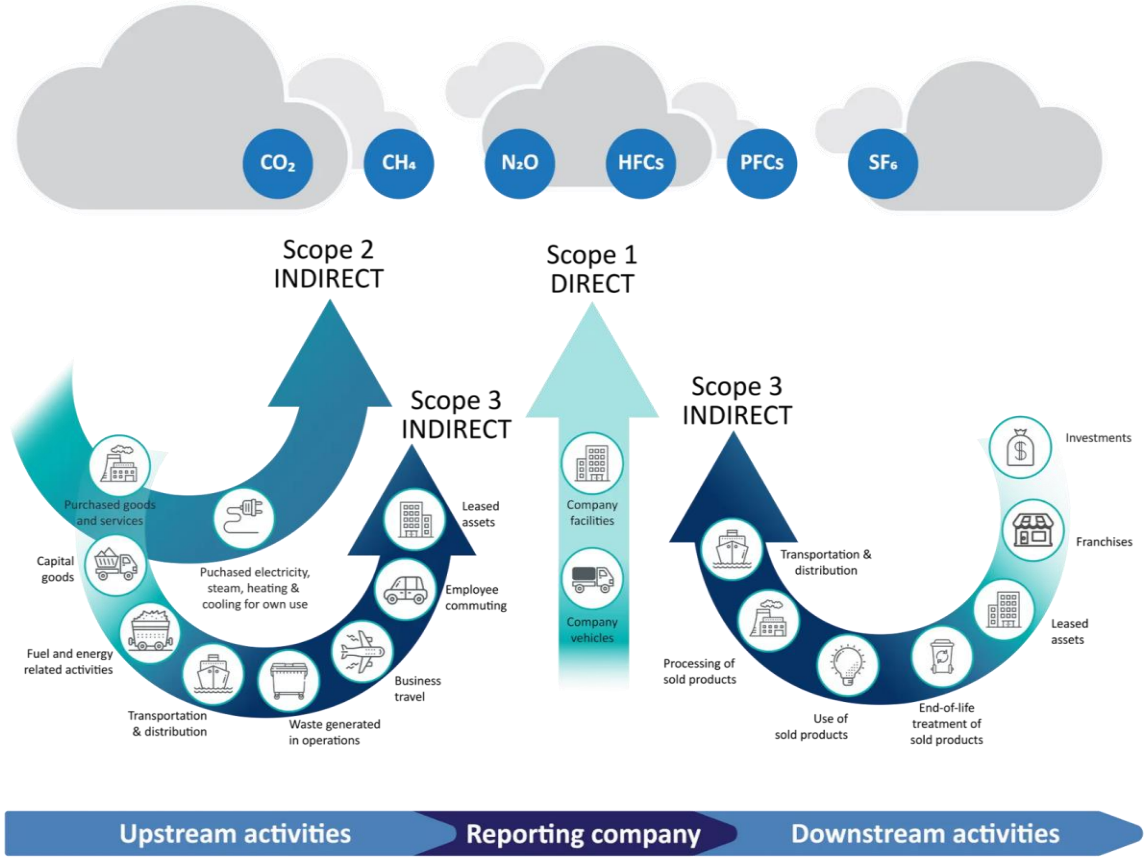
- **Electricity Consumption:** Powering warehouses, distribution centers, and offices.
- **Heating & Cooling:** If sourced from an external provider (e.g., district heating).

Scope 3 (Other Indirect Emissions)

These are all **other indirect emissions** from the supply chain that the company influences but doesn't directly control.

- **Subcontracted Transportation:** Emissions from carrier partners (e.g., outsourced trucking, rail, air freight).
- **Upstream Logistics:** Emissions from supplier transportation.
- **Downstream Logistics:** Deliveries to customers if not using company-owned vehicles.
- **Employee Commuting & Business Travel:** Travel-related emissions (flights, car rentals, etc.).
- **Waste Generation & Packaging:** Landfill waste, recycling, and packaging disposal from logistics operations.

3. Emission Categories



The criteria and procedures for calculating the carbon footprint are based on the ISO 14064-1:2019 standard.

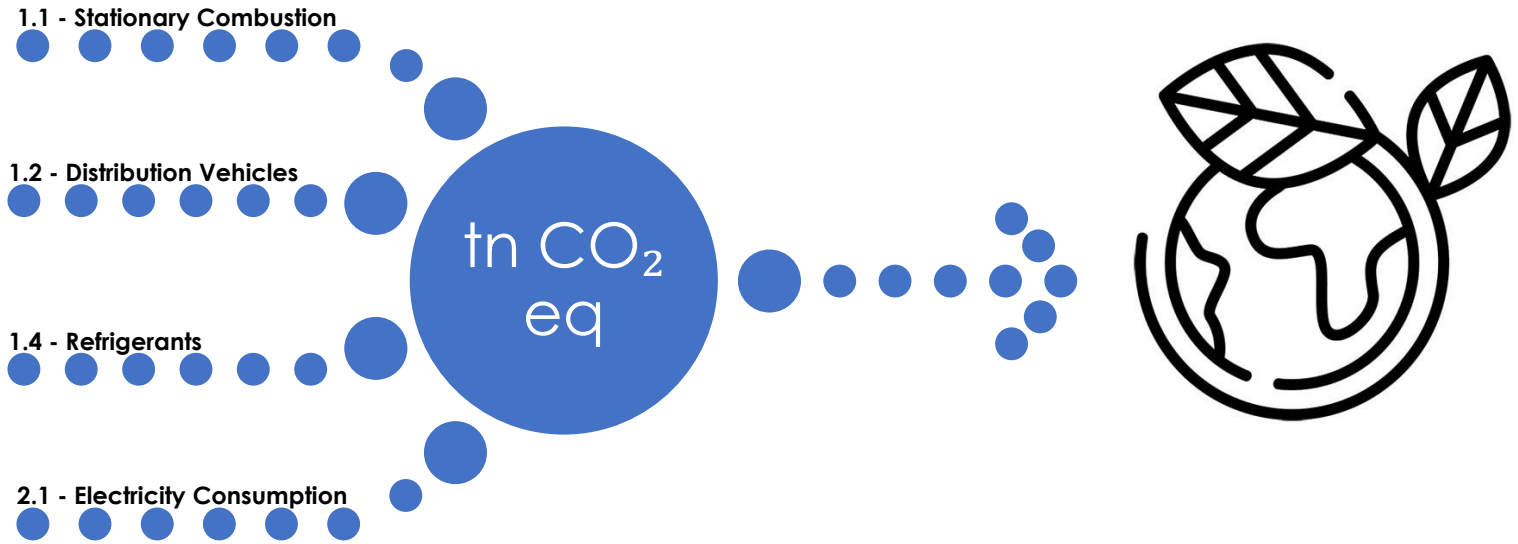
For the FDL Group companies, the relevant emission categories are **Scope 1** and **Scope 2**, in accordance with GHG Protocol and the climate law.

4. Calculation Methodology

According to the **ISO 14064-1:2019** standard, the emissions assessment includes the following greenhouse gases:

- **Carbon dioxide (CO_2)**
- **Methane (CH_4)**
- **Nitrous oxide (N_2O)**
- **Hydrofluorocarbons (HFCs)**

These emissions are converted into tons of CO_2 equivalent ($tnCO_2eq$) to quantify their environmental impact.



4. Calculation Methodology- Data collection

Category 1.1 (Constant Combustion):

- Equations (IPCC 2006).
- Emission factors (Ministry of Environment and NIR of Cyprus).
- Liters of oil from AVIN.

Category 1.2 (Mobile Combustion):

- Equations (IPCC 2006).
- Emission factors (Ministry of Environment and NIR of Cyprus).
- Liters of fuel from Fleet Manager.

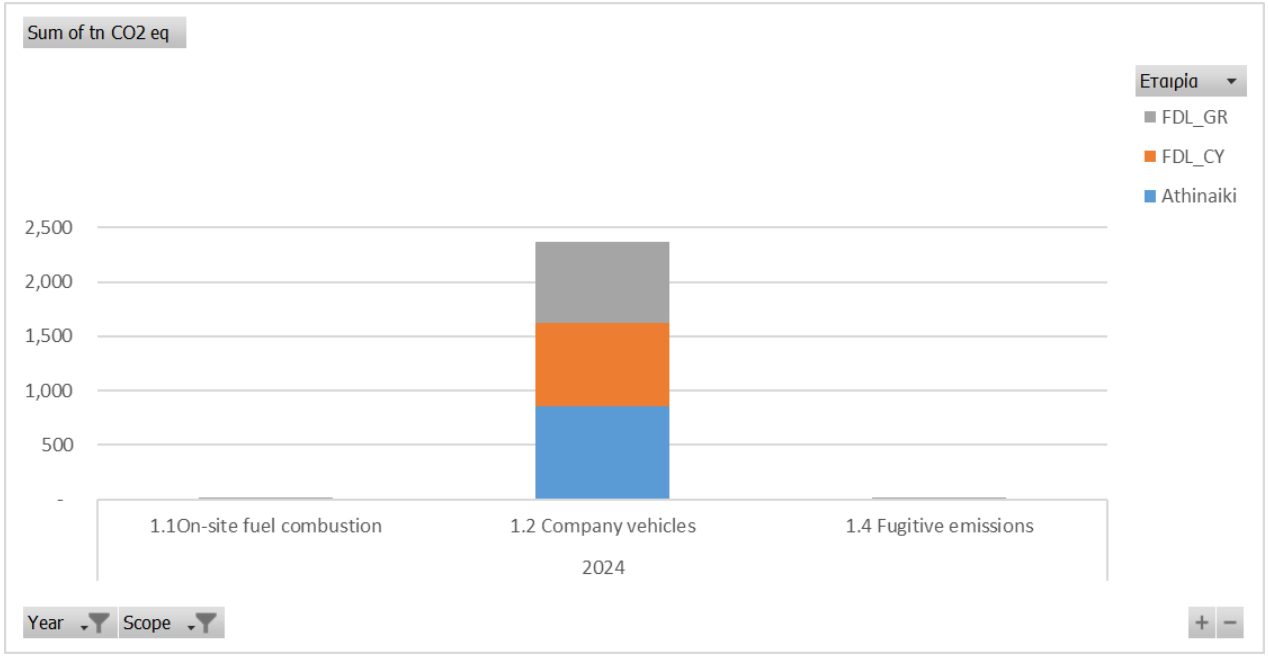
Category 1.4 (Refrigerants):

- Equations (IPCC 2006).
- Emission factors (Y.P.E.N., NIR Cyprus and European Regulation). By F-GASES

Class 2.1 (Current):

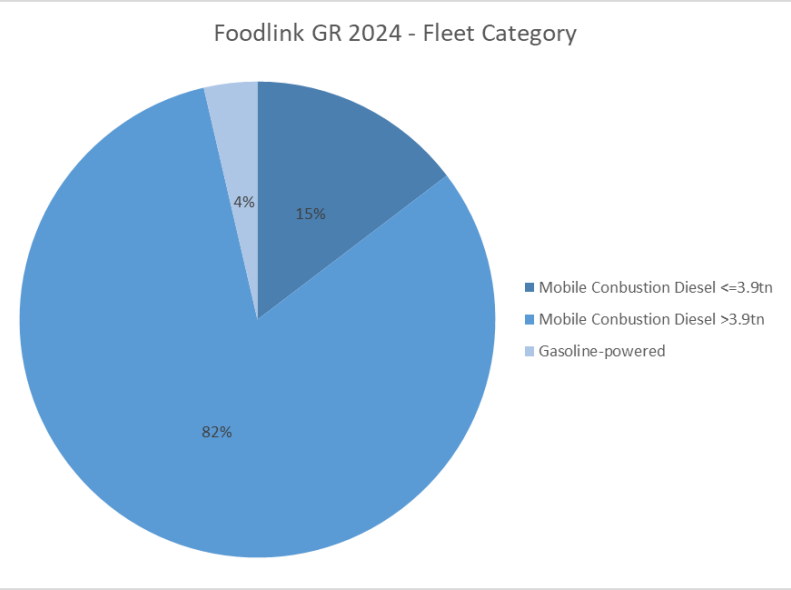
- Equations (IPCC 2006).
- Emission Factors (Y.P.E.N.)
- kWh from electricity suppliers to Greece & Cyprus.

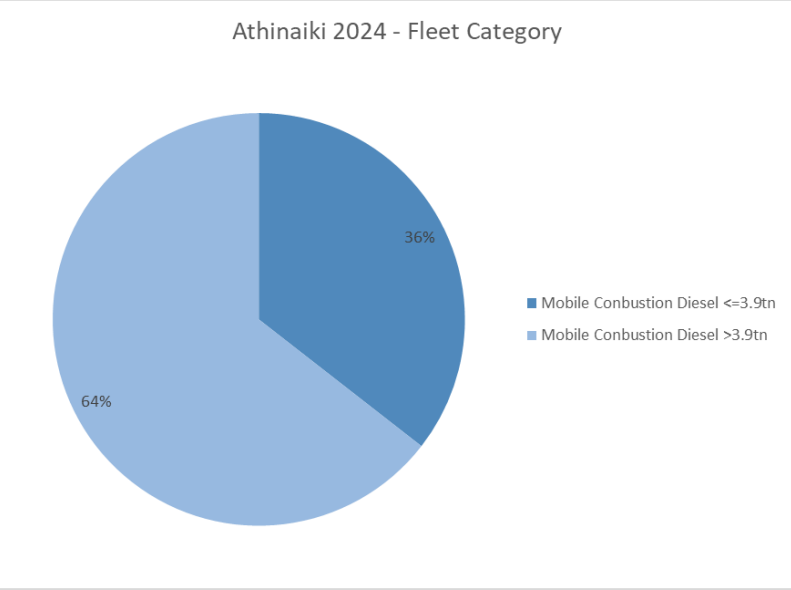
5. Direct Emissions (by Category) Scope 1

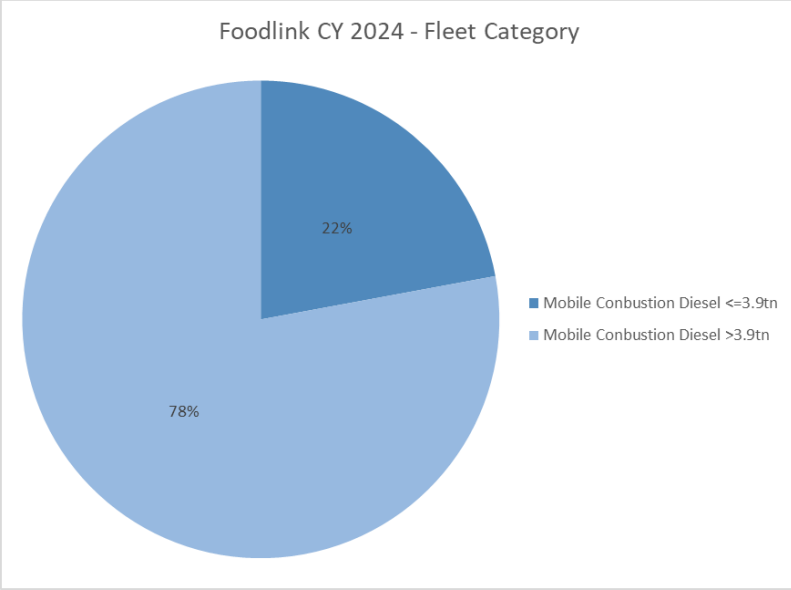


Row Labels	Athinaiki	FDL_CY	FDL_GR	Grand Total
2024	**862**	**767**	**773**	**2,402**
1.1On-site fuel combustion	4		15	20
1.2 Company vehicles	858	767	744	2,369
1.4 Fugitive emissions			14	14
Grand Total	**862**	**767**	**773**	**2,402**

Fleet Emissions (tnCO2eq)

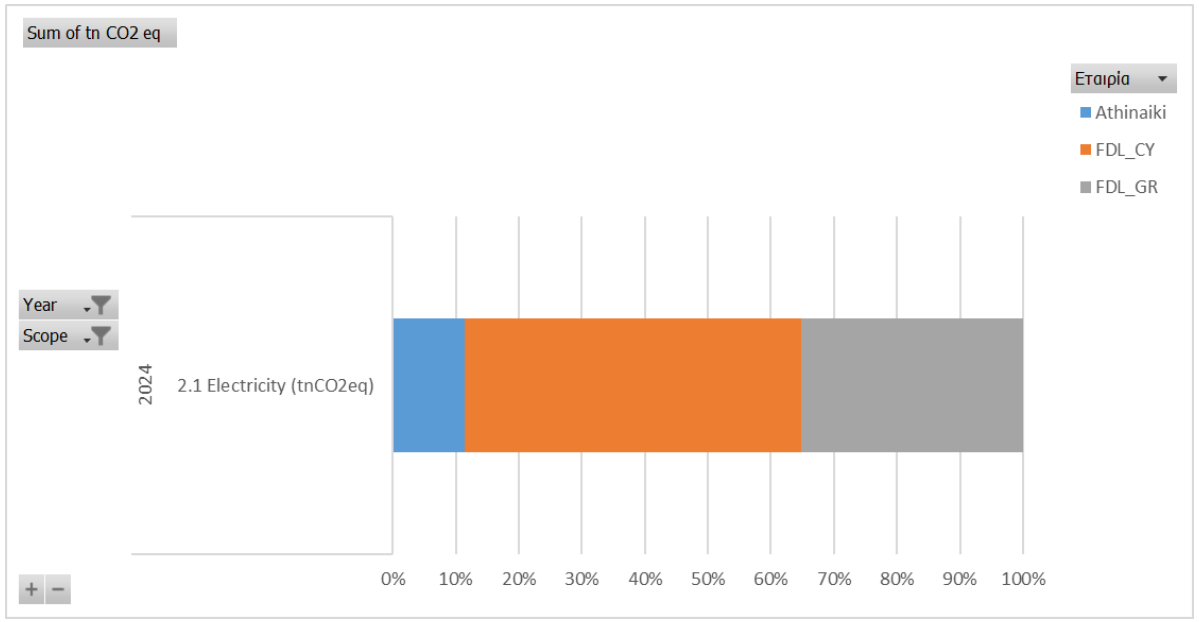






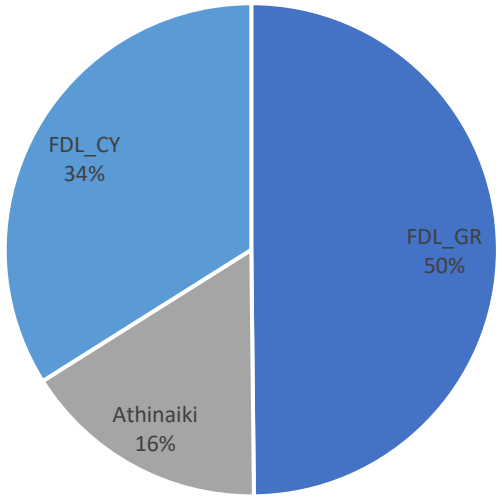
Row Labels	Athinaiki	FDL_CY	FDL_GR	Grand Total
Mobile Conbustion Diesel <=3.9tn	305	169	109	583
Mobile Conbustion Diesel >3.9tn	553	597	608	1,758
Gasoline-powered			27	27
Grand Total	**858**	**767**	**744**	**2,369**

6. Indirect Emissions (by Category) Scope 2

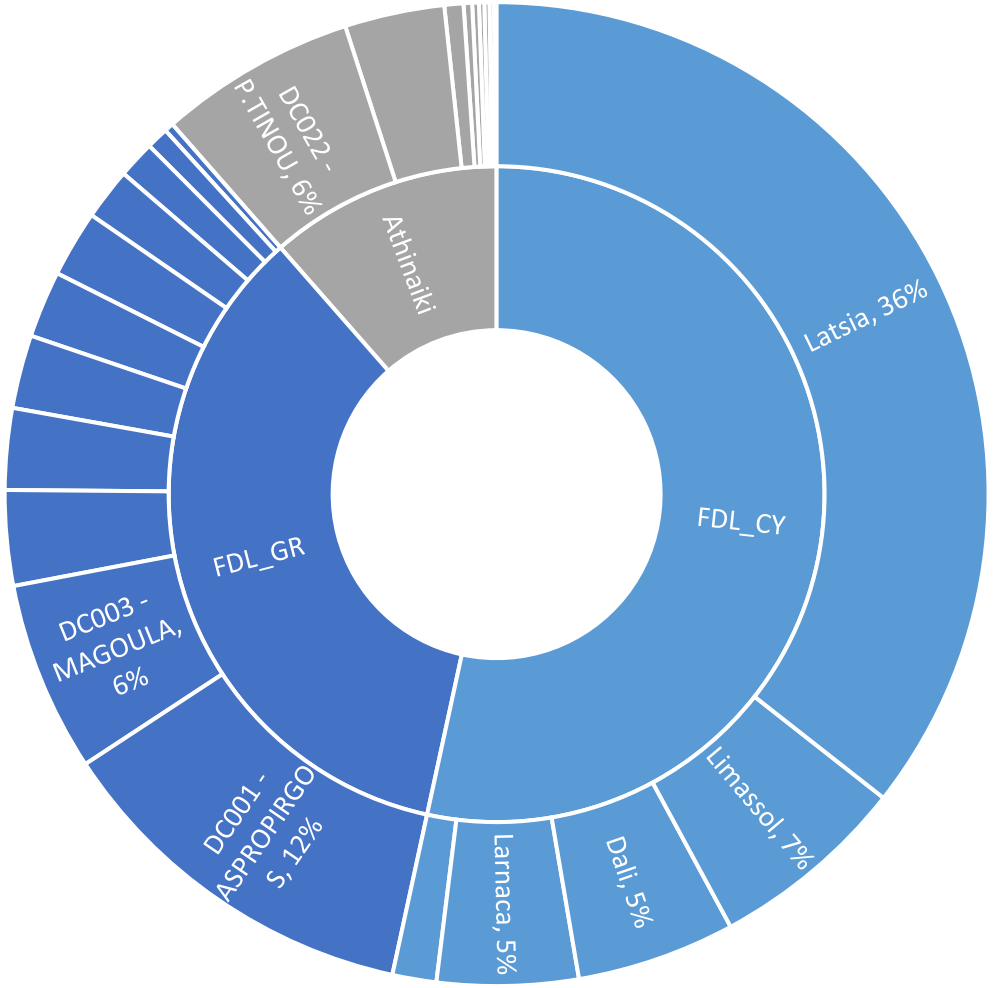


Row Labels	Athinaiki	FDL_CY	FDL_GR	Grand Total
2024	**278**	**1,295**	**852**	**2,425**
2.1 Electricity (tnCO2eq)	278	1,295	852	2,425

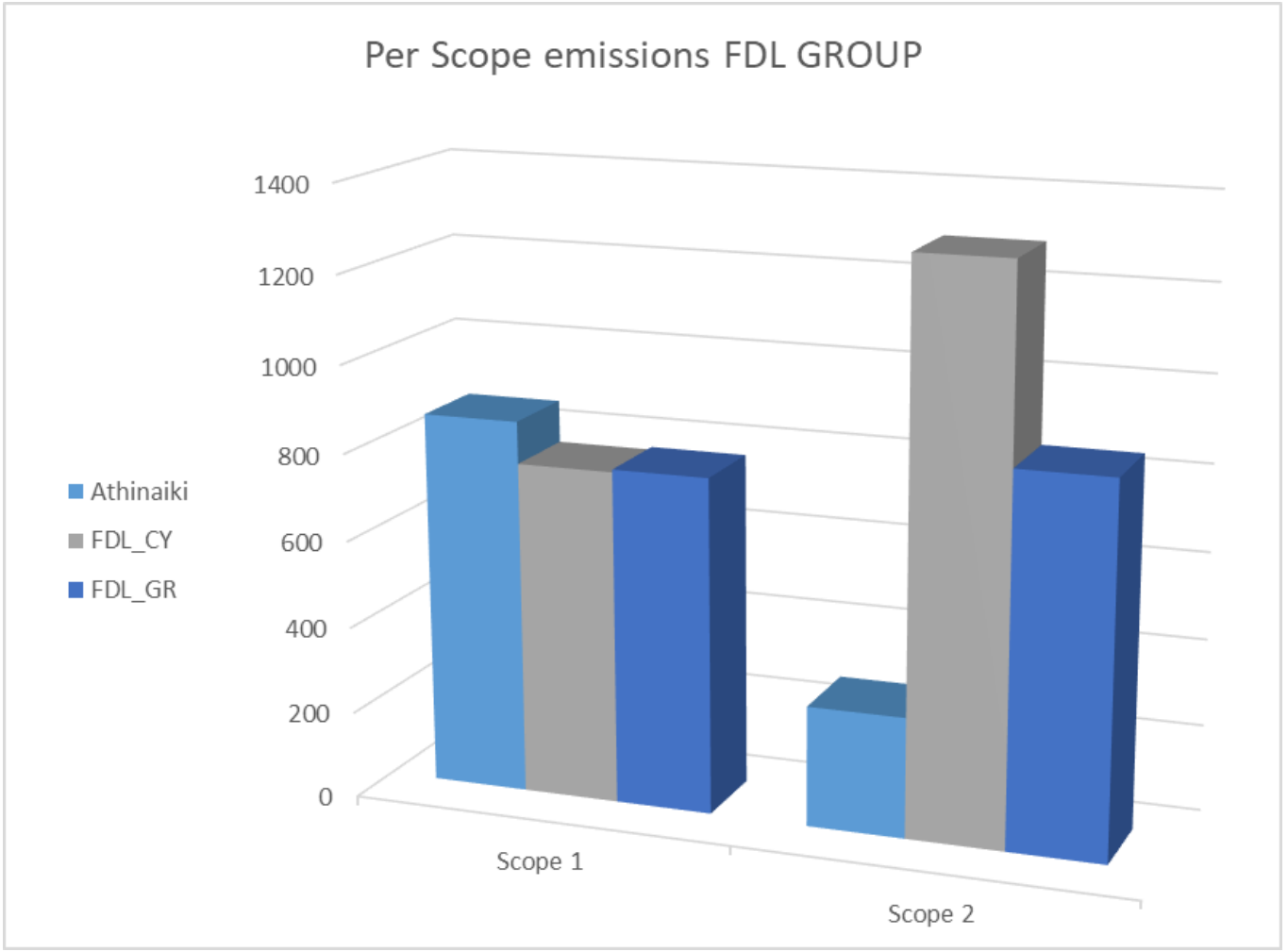
Percentage Consumption



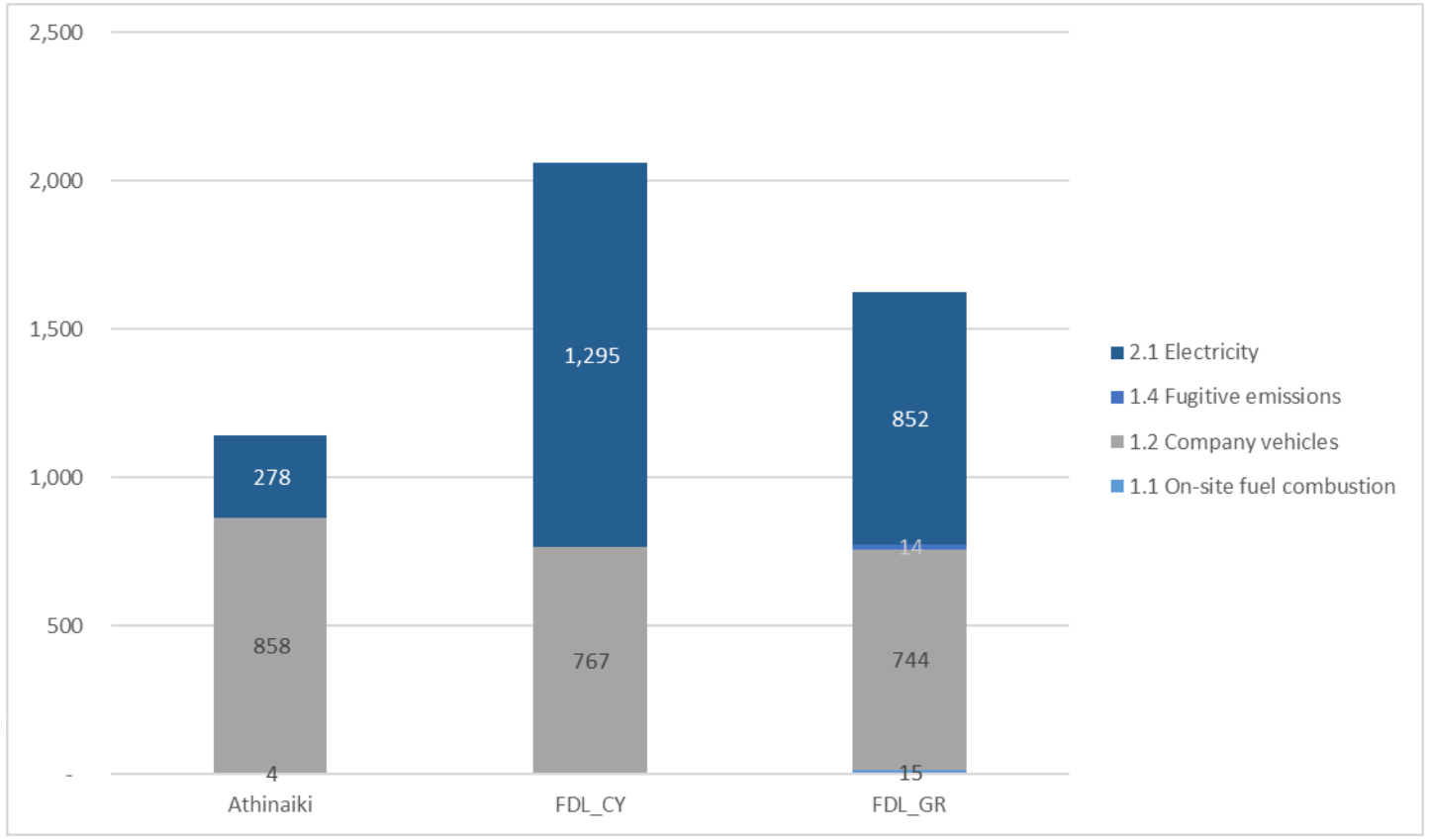
Scope 2 Facilities Spilt %



7. Total Emissions (tnCO2eq)

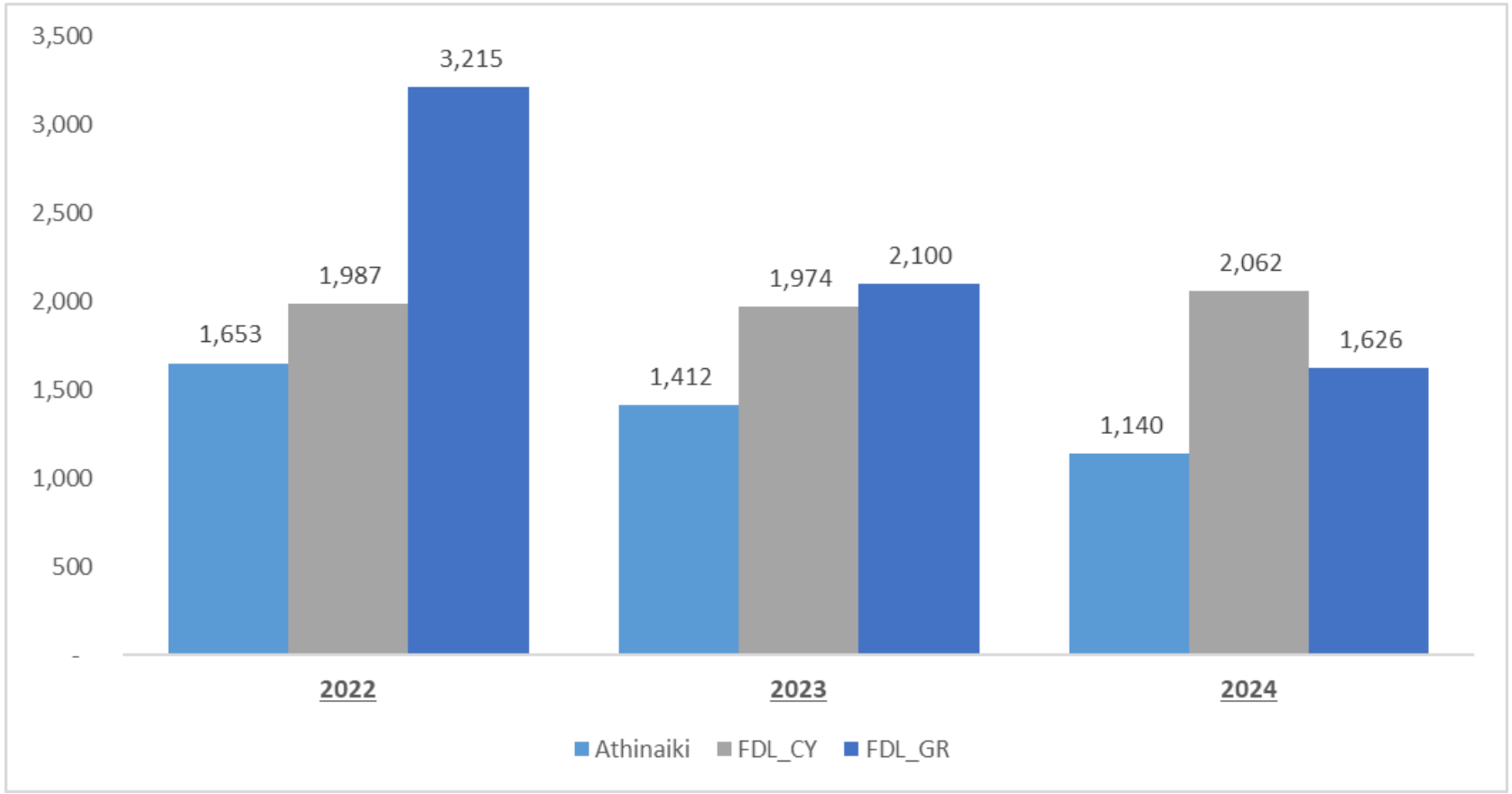


Total Emissions (tnCO2eq)



Row Labels	Grand Total
Athinaiki	1,140
FDL_CY	2,062
FDL_GR	1,626
Grand Total	**4,828**

8. Comparison



Initiatives

Thank You