2

Climate and emissions

To achieve Scope 1, 2 and 3 carbon neutrality by 2040, Plenitude defined a **decarbonization strategy** based on increasing the installed capacity of energy production from renewable sources plants, offering energy solutions to reduce consumption, progressively offsetting the CO_2 emissions from gas combustion by customers and developing electric mobility services.

25 - The electricity residential customers consume does not come directly from a renewable power generation plant. Instead, Plenitude acquires the Guarantees of Origin from third-party renewable energy producers to certify that power produced from renewable sources has been generated in quantity equal to the customer's annual consumption.

26 - Avoided emissions related to requalification measures include CappottoMio, EPC and TEE, and refer to energy savings due to energy efficiency in buildings. For details on the calculation methodology, please refer to section Calculation methodologies.

27 - For details on the calculation methodology, please refer to section Calculation methodologies.

28 - The 2021 Scope 1 emissions figure changed from the total reported in the 2021 Sustainability Report. This was mainly due to the refinement of the data taken into account, where both combustion emissions and fugitive emissions of $CO_2 + CH_4 + N_2O$ (not included in last year's figure) were included, and the updating of the calculation methodology.

29 - The 2021 Scope 2 emissions figure of 2021 changed from the total reported in the 2021 Sustainability Report. This was mainly due to the updating of the calculation methodology and the refinement of the data considered. Scope 2 emissions in 2022 increased over 2021 as a function of the newly acquired plants.

30 - The calculation of the avoided CO_2eq. emissions is based on data provided by ISPRA on the average emissions of the Italian ICE vehicle fleet. For details on the calculation methodology, please refer to section Calculation methodologies.

2022 PERFORMANCE

MATERIAL TOPIC	KPI	RESULTS 2022
SOLUTIONS FOR CUSTOMERS FROM RENEWABLE ENERGIES	% of electricity certified through European guarantees of origin[25] of total energy sold in Europe	**66%** (vs 41% in 2021)
	Renewable installed capacity	**2.2 GW** (+100% vs 2021)
	Production of electricity from renewable sources	**2.55 TWh** (+166% vs 2021)
SOLUTIONS FOR CUSTOMERS: ENERGY EFFICIENCY	Avoided emissions through energy requalification upgrades	Approximately **57,000 $tCO_2eq.$**[26] (+62% vs 2021)
CLIMATE CHANGE AND GHG EMISSIONS	Avoided emissions from production of energy from renewable sources	**1,211 thousand $tCO_2eq.$**[27] (+136.5% vs 2021)
	Scope 1 Emissions	4,869 $tCO_2eq.$ (-0.8% vs 2021)[28]
	Scope 2 Emissions	3,608 $tCO_2eq.$ (+97% vs 2021)[29]
	Scope 3 Emissions	15.1 million $tCO_2eq.$ (-17.1% vs 2021), of which 0.8 million $tCO_2eq.$ will be offset during 2023 through high-quality carbon credits, mainly obtained from Natural Climate Solutions
SOLUTION FOR CUSTOMERS: ELECTRIC MOBILITY	Charging points for electric vehicles installed in Italy and Europe	**13,093** proprietary charging points installed (vs 6,246 at the end of 2021)
	Avoided emissions by mobile electric vehicles	**7,405 $tCO_2eq.$**[30] (+280% vs 2021)

FUTURE OBJECTIVES

MATERIAL TOPIC	OBJECTIVE	ESG TARGET
SOLUTIONS FOR CUSTOMERS FROM RENEWABLE ENERGIES CLIMATE CHANGE AND GHG EMISSIONS	Reduction of GHG emissions	• **Expansion** of the offer to **business customers** of certified electricity through European Guarantees of Origin, as supplied to the network and produced by plants 100% fuelled by renewable sources, in compliance with existing laws on the topic, by 2030 (already from 2022 for the B2C segment) • Installed capacity for renewable energy production **>15 GW by 2030** • **100% electricity supplied to B2C and B2B customers from renewable sources** from owned plants in 2040 • **Carbon neutrality Scope 1, 2 & 3 emissions targeted by 2040**
SOLUTION FOR CUSTOMERS: ELECTRIC MOBILITY	Boosting the spread of electric mobility	**More than 30,000 charging points** for electric vehicles targeted by **2026**

POLICY AND REGULATORY TOOLS

- Eni Code of Ethics
- Environmental management system certified according to ISO 14001:2015 standard
- Energy management system - Companies supplying energy services - certified according to the standard CEI 11352
- Energy management system certified according to ISO 50001:2018 standard

2.1

The strategy to tackle climate change

| 7 AFFORDABLE AND CLEAN ENERGY | 12 RESPONSIBLE CONSUMPTION AND PRODUCTION | 13 CLIMATE ACTION |

Aware of its vital role in contributing to mitigating the effects of climate change, Plenitude is committed to achieving **carbon neutrality Scope 1, 2, and 3 by 2040**.

In order to reduce the greenhouse gas emissions generated by its activities and services, the Company has embarked on a **decarbonization pathway based on four directions** outlined below.

STRATEGIC DIRECTION

ACTIONS AND OBJECTIVES

RETAIL / RENEWABLES

RENEWABLE ENERGY

PURCHASE OF GUARANTEES OF ORIGIN FROM RENEWABLE SOURCES

As of 2022, Plenitude offers all its B2C customers **certified electricity** by purchasing a Guarantee of European origin that ensures it is generated by plants fuelled by **100% renewable energy**, and by 2030 also to all business customers.

RENEWABLE ENERGY PRODUCTION WITH PROPRIETARY PLANTS

By 2040, **Plenitude's renewable energy production** will enable the Company to cover residential and business customers' total electric power **demands**.

RETAIL

NATURAL GAS WITH OFFSET CO$_2$

PURCHASE OF CARBON CREDITS

Natural gas supply with the possibility of **offsetting "Scope 3" CO$_2$ emissions through carbon credits and the gradual introduction of sources alternative to natural gas**, namely biomethane in 2026 and hydrogen in 2030, to achieve carbon neutrality in 2040.

RETAIL

SOLUTIONS FOR CARBON FOOTPRINT REDUCTION

OFFERING ENERGY SOLUTIONS TO REDUCE ENERGY CONSUMPTION

Offering energy efficiency solution to decrease families and enterprises' carbon footprint through distributed renewable power generation, energy requalification of buildings and the use of technological tools for monitoring and improving energy consumption.

E-MOBILITY

ELECTRIC MOBILITY SERVICES

CHARGING INFRASTRUCTURE FOR ELECTRIC VEHICLES

Commitment to the development of **electric mobility through the installation of charging stations for electric vehicles** powered by renewable energy, to increase the capillarity of the service in Italy and abroad, installing 30,000 charging stations by 2026.

2.1.1
The supply of electricity and gas

>11 million customers in 2026 and >15 million customers in 2030

The 'Retail' business area deals with the **purchase** and sale of gas and **electricity**, and **energy solutions** to **10 million customers**. To meet the gas requirements o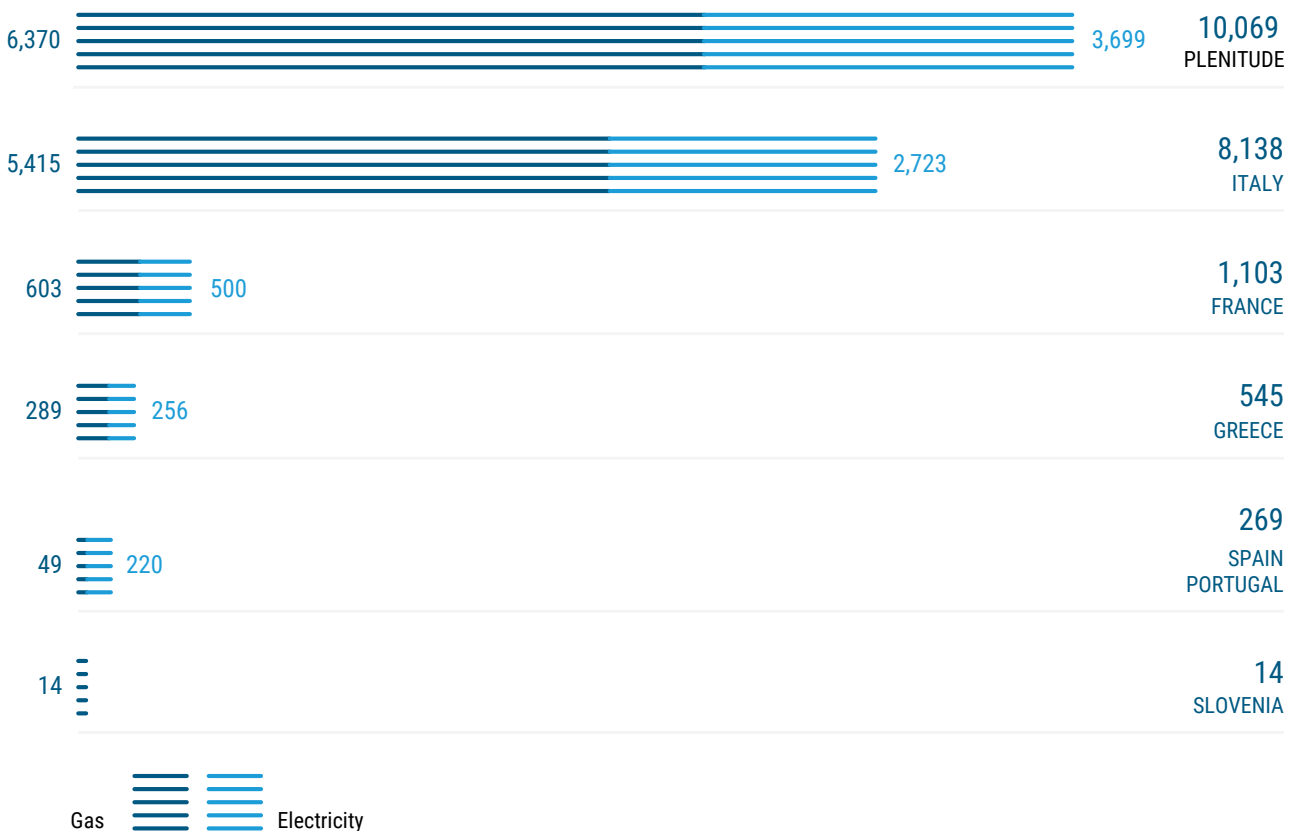f its customers, Plenitude has established multiannual natural gas supply agreements with its Parent Company, Eni, and third-party suppliers.

Considering the sale of **natural gas** to households, condominiums and businesses, Plenitude is the primary market operator in **Italy**, with more than 5.4 million customers, and in **Greece** (where it is focused on the household segment, serving 0.3 million customers). Considering the **electricity**[31] supplied to residential customers, Plenitude is the second largest operator in the **free market in Italy**, with 2.7 million customers, and is also present in **France**, **Spain**, **Portugal**, **Greece and Slovenia**.

Plenitude intends to further increase its customer base, with the goal of reaching over **11 million customers by 2026**, more than **15 million customers by 2030** and **over 20 million customers by 2050**.

Breakdown of total customers by commodity and Country in 2022 (thousand supply points)

	Gas	Electricity	Total	
PLENITUDE	6,370	3,699	10,069	
ITALY	5,415	2,723	8,138	
FRANCE	603	500	1,103	
GREECE	289	256	545	
SPAIN PORTUGAL	49	220	269	
SLOVENIA	14		14	

Gas ▬▬▬   Electricity ▬▬▬

Of the total number of Plenitude customers, 37% have signed **electricity supply contracts**. Of these, 74% are located in Italy, 13% in France and to a lesser extent in Greece (7%) and the Iberian Peninsula (6%).

31 - Italy's electricity is supplied both through the energy market (via the Power Exchange managed by Gestore dei Mercati Energetici - GME) and through third-party producers, including Eni. Withdrawal and supply dispatching contracts are signed with TERNA. In other European Countries, electricity sale and purchase agreements are implemented with third-party suppliers and trusted partners.

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2.1.1.1
Sale of electricity from renewable sources

100% electricity certified through guarantees of origin as supplied into the grid and produced from renewable sources by 2030 also for B2B customers

In 2019, Plenitude decided to design its proposal to supply electricity to the residential sector, focusing on environmental issues.

Since April 2022, Plenitude has been offering **all of its Business To Consumer customers energy certified through guarantees of European origin, as generated by plants fuelled by 100% renewable energy, as required by current legislation**[32].

This made it possible to arrive at about **12.5 TWh** of certified electricity through guarantees of origin in 2022, out of a total of energy supplied on the European market, amounting to approximately 18.8 TWh[33]. As a result, the Company recorded a significant increase in the percentage of certified energy in relation to total energy sold, from 41% in 2021 to 66% in 2022.

The remainder of the electricity supplied, which is not covered by guarantees of origin, contributes to the generation of greenhouse gas emissions during the production phase, equal to 1,532,000 tonnes of CO_2eq. in the **"electricity (marketed)"** category of **Scope 3**.

66% of electricity certified through European guarantees of origin of total energy sold in Europe in 2022

2.1.1.2
Installed capacity and energy production from renewable sources

2.2 GW of installed capacity (2x compared to 2021)

Further to supplying electricity from third parties, Plenitude produces and sells energy from its own renewable energy plants. In this regard, at year-end 2022, the Company achieved its announced goal of increasing **installed capacity**[34] to more than 2 GW, reaching

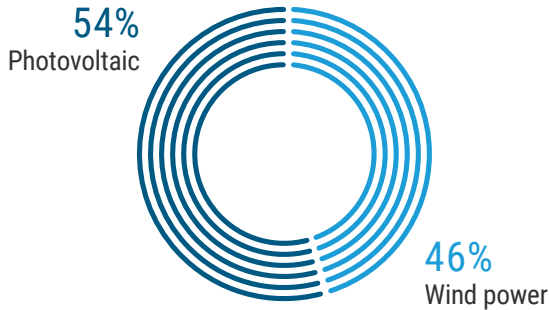**2.2 GW**, doubling the year-end 2021 figure (1.1 GW).
About **54%** of this capacity is related to **photovoltaic plants** and the remaining **46% to wind power plants**.

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32 - The electricity residential customers consume does not come directly from a renewable power generation plant. Instead, Plenitude acquires the Guarantees of Origin from third-party renewable energy producers to certify that power produced from renewable sources has been generated in quantity equal to the customer's annual consumption.
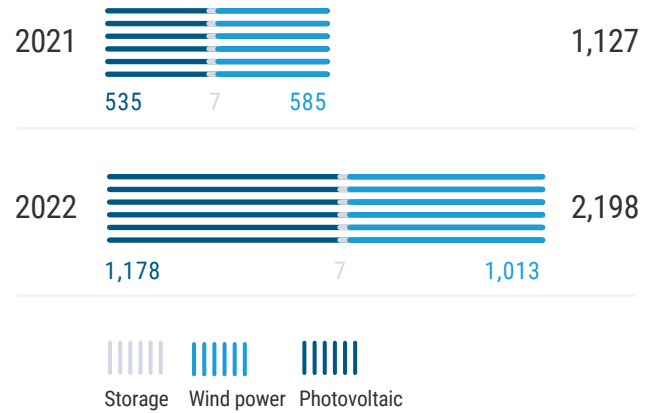33 - For further information on the sale of electricity, please refer to section "Performance tables".
34 - For further information on installed capacity by regulatory regime and technology, please refer to section "Performance tables".

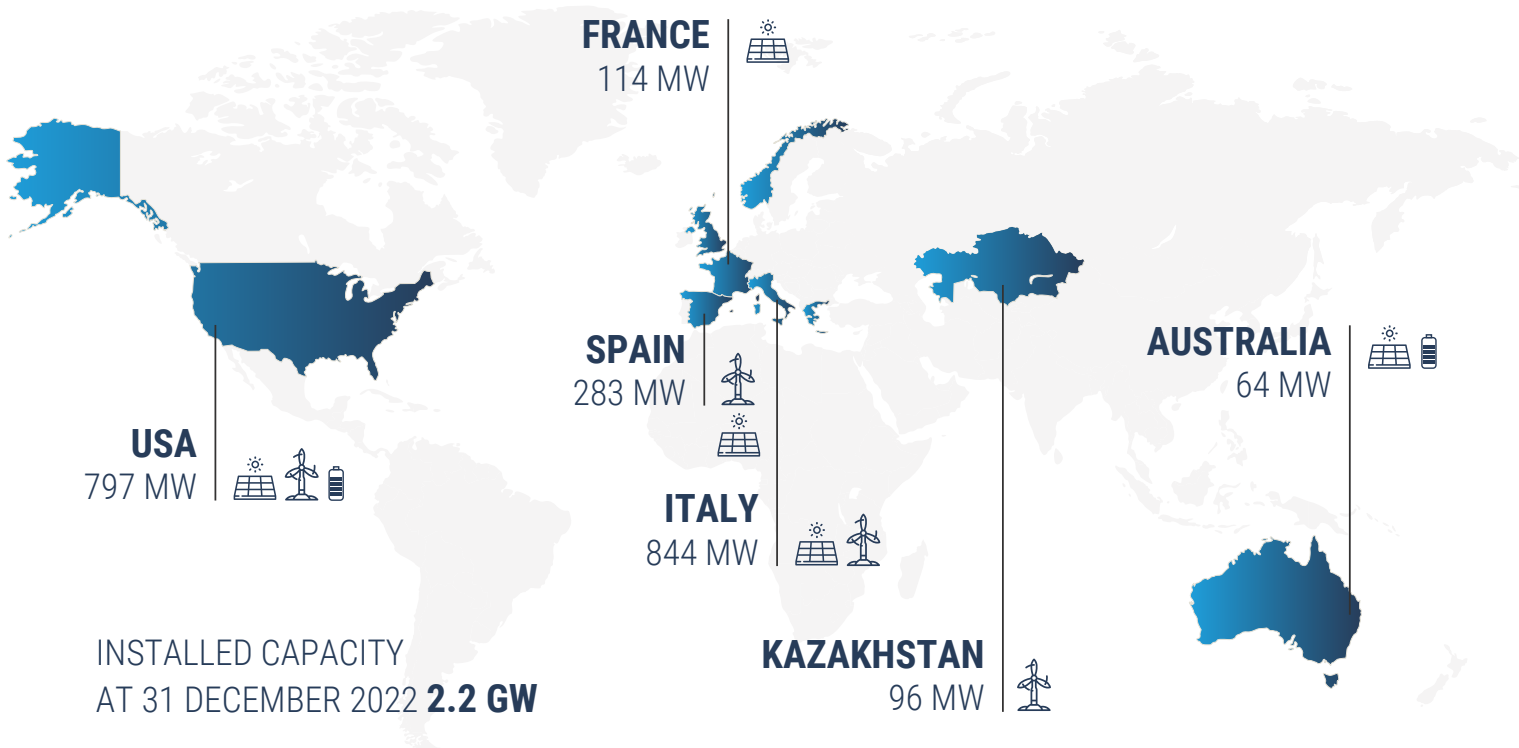## Installed capacity, broken down by energy source in 2022

54% Photovoltaic

46% Wind power

Installed capacity, broken down by energy source (MW)

2021 — 1,127
535   7   585

2022 — 2,198
1,178   7   1,013

Storage   Wind power   Photovoltaic

Installed capacity is situated **38% domestically** and **62% abroad** (mainly in the US, Spain and France).

Plenitude's installed solar and wind capacity at 31 December 2022, broken down by Country and energy source

FRANCE 114 MW

SPAIN 283 MW

ITALY 844 MW

KAZAKHSTAN 96 MW

AUSTRALIA 64 MW

USA 797 MW

INSTALLED CAPACITY AT 31 DECEMBER 2022 **2.2 GW**

>3 GW of installed capacity in 2023
>7 GW by 2026, > 15 GW in 2030

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Plenitude's organic development and acquisitions in 2022

In 2022, Plenitude's expansion in renewables was achieved through the organizational development of projects in the United States, Kazakhstan and Spain, as well as through acquisitions in Europe and the United States.

Acquisition of PLT*, a major player in the energy sector with a portfolio that includes over 400 MW of assets in Italy (operational and under construction), a pipeline of projects under development in Italy and Spain, and a base of 90,000 retail customers in Italy

Acquisition by GreenIT** (joint venture dedicated to the production of electricity from renewable sources in Italy, born from a partnership between CDP Equity and Plenitude) from the Fortore Energia Group of a portfolio consisting of four onshore wind farms operating in Italy with a total capacity of **110 MW,** of which 56 MW in Plenitude's share

Acquisition of the **Cuevas** wind farm that, with its **105 MW** and 5.5 MW turbines, is the largest wind farm in the portfolio

Completion of the **50 MW** photovoltaic plant in **Cerillares**

Acquisition in Texas of a **266 MW** photovoltaic system **and completion** of another for an additional 263 MW

* Plenitude strengthens its presence in Italy and Spain by signing an agreement to acquire 100% of PLT.
** GreenIT acquires 110 MW wind projects in Italy.

2.55 TWh of electricity production from renewable sources in 2022

As a result of the growth in installed capacity, Plenitude has more than doubled its electricity production from renewable sources, from just under 1 TWh in 2021 to **2.55 TWh**[35] in 2022.
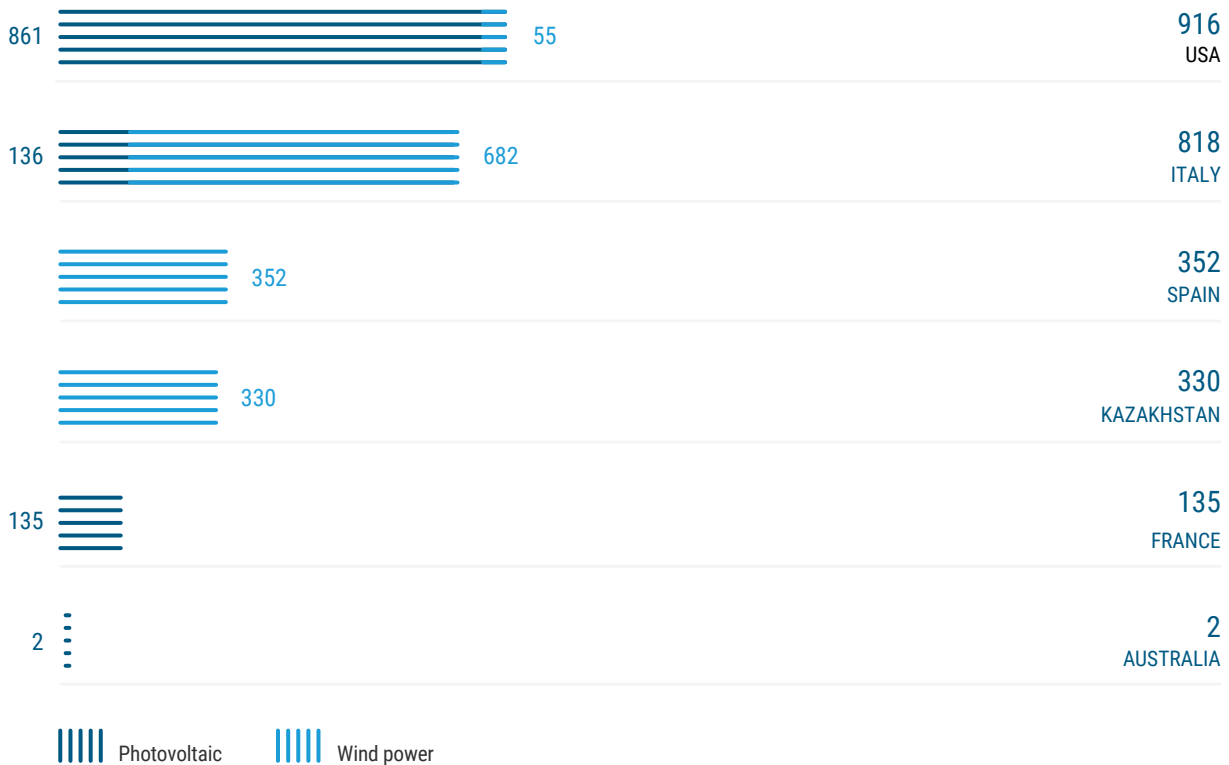
35 - For further information on net energy production by technology and regulatory regime, please refer to section "Performance tables".

Energy production from renewable sources in 2022

55.5%
Photovoltaic

44.5%
Wind power
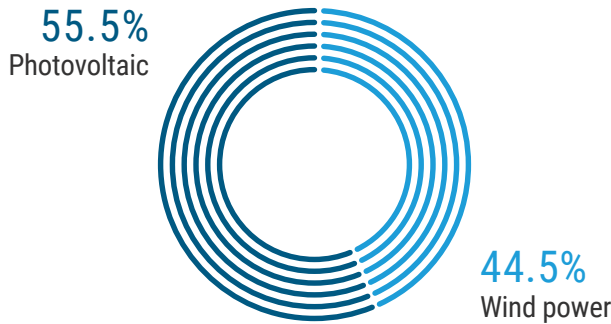
100% electricity supplied to its customers generated from renewable sources from owned plants by 2040

Renewable energy production in 2022, broken down by source and Country (GWh)

Country	Photovoltaic	Wind power	Total
USA	861	55	916
ITALY	136	682	818
SPAIN	352		352
KAZAKHSTAN	330		330
FRANCE	135		135
AUSTRALIA	2		2

||||| Photovoltaic ||||| Wind power

1,211 thousand tons of CO_2eq. (+136.5% compared to 2021) of avoided emissions

Based on forward-looking forecasts, by 2040, the electricity generation capacity from renewable sources from proprietary plants will be able to meet the energy needs of the customer base.

In 2022, plants production of energy from renewable sources, including 'small scale' (i.e.: Evolvere and SEA-owned plants), avoided **1,211,000 tonnes CO_2eq. emissions**[36] (+136.5% compared to 2021). Avoided emissions represent the amount of CO_2eq. that would have been emitted into the atmosphere given the same electricity production with the current generation mix of the various energy-producing Countries.

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36 - For details on the calculation methodology, please refer to section Calculation methodologies.

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2.1.2
Offsetting emissions from natural gas combustion and alternative gases

1 billion cubic metres of gas per year offset using the "carbon credits" by 2025

Of the total number of Plenitude customers, 63% (down 2pp compared to 2021) have signed gas supply contracts. Of these, 53.8% are located in Italy, 6% in France and to a lesser extent in Greece (2.9%), Spain and Portugal (0.5) and Slovenia (0.1%).
In 2022, the combustion of gas sold

to customers contributed 13.6 million tonnes of CO_2eq. to the generation of greenhouse gas emissions in the category "use of products sold" category of Scope 3.

Since 2021, in Italy, by signing a B2C contract for the supply of natural gas which includes in the offer the offsetting of CO_2 emissions (so-called natural gas offers with offset emissions), **all the CO_2 emissions relating to the domestic combustion of the natural gas[37] supplied are offset through the purchase of carbon credits**. The latter certify the Company's involvement in international projects concerned with

reducing or eliminating the release of greenhouse gases into the atmosphere. Referring to the year 2022, a total of 0.8 million tons of CO_2eq. will be offset during 2023 through high-quality carbon credits, mainly obtained from Natural Climate Solutions[38].

Carbon credits are securities issued by international certification bodies generated by GHG emission reduction projects. To offset the emissions related to its business, the Company purchases high-quality carbon credits that will finance environmental protection projects certified by third-party organizations that follow the strictest envi-

The carbon credits mechanism

PURCHASE OF
CARBON CREDITS

FINANCING CO_2eq.
ABSORPTION PROJECTS

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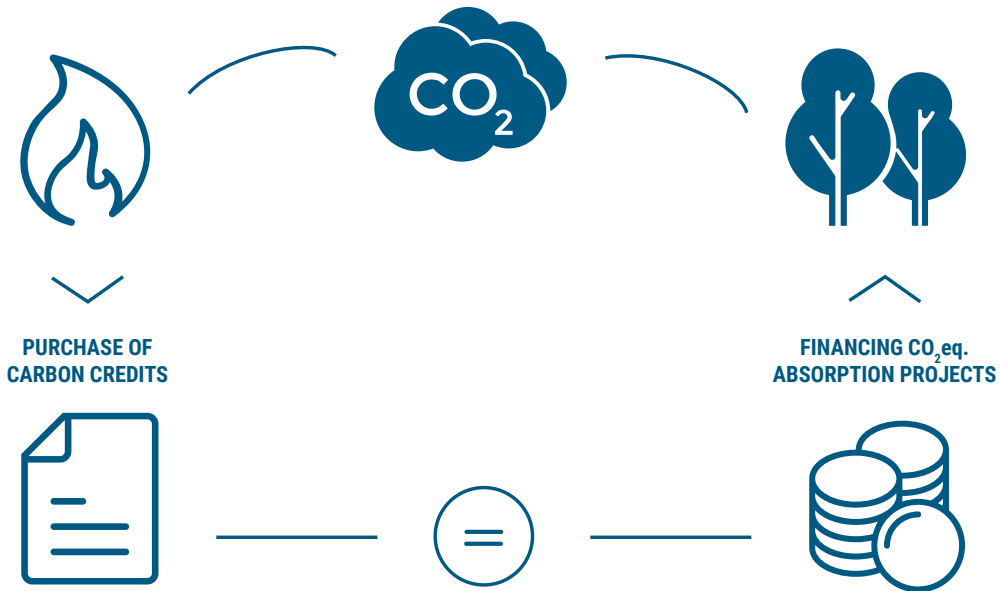
37 - Thanks to this mechanism, Plenitude offsets emissions caused by domestic combustion by residential customers, which constitute the indirect emissions produced downstream in the value chain using the products and services sold, which are included in the emissions identified as 'Scope 3'.
38 - Actions to avoid generating greenhouse gas emissions and increase the carbon sequestration capacity of forests, grasslands and wetlands.
Restoration not only returns forests to a healthy state but increases the amount of carbon sequestered, improves biodiversity and soil and water quality in the ecosystem, and provides economic benefits to forest-dependent communities.

ronmental and social standards and guarantee reduced emissions through carbon credit generation. In particular, by signing the supply contracts mentioned above, B2C customers join the financing of mainly Natural Climate Solutions (NCS) projects, including REDD+ (Reducing Emissions from Deforestation and Forest Degradation)

projects. Through this mechanism, Plenitude has set a goal of offsetting emissions of more than 1 billion cubic meters of gas per year by 2025.

Further to offsetting emissions, Plenitude plans to expand its commercial offer for the customer base by using biomethane and hydrogen produced

from renewable sources, if requested by the customer base after 2026. The integration will be gradual, through the introduction of **biomethane** starting from 2026 and of **hydrogen** from 2030, prior favourable market and technological conditions, and will be completed by 2040 for the entire customer base.
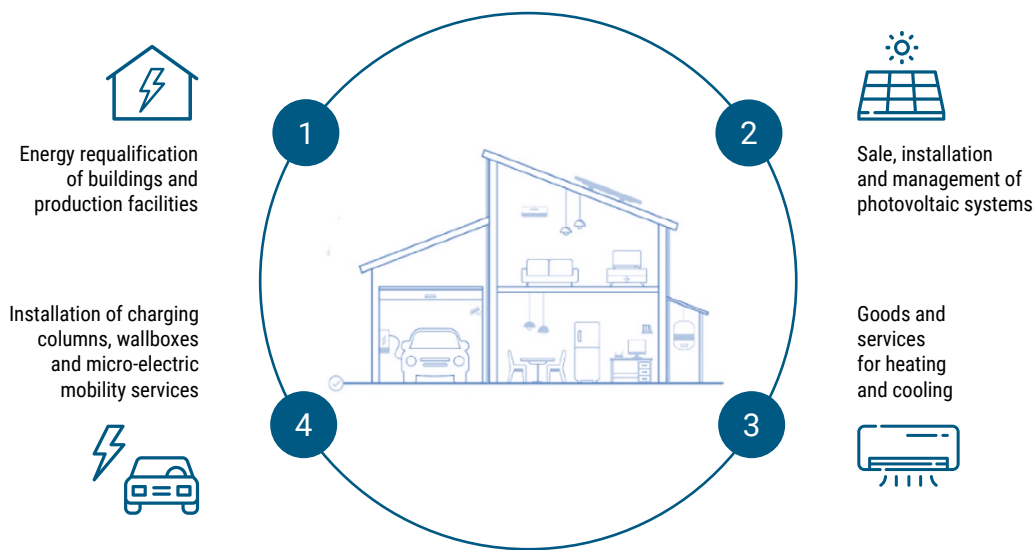

Assemini plant - Italy

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2.1.3
Energy efficiency solutions

Energy efficiency in buildings, energy production from renewable sources and assisting consumers in the optimal use of electricity are crucial elements for the energy transition. Thanks to the companies SEA (Plenitude's ESCO - *Energy Service Company*), Evolvere and the collaboration with a wide network of business partners, Plenitude offers its customers a vast range of energy efficiency solutions through energy requalification of buildings, the instal- lation of photovoltaic systems in the different Countries where the retail business area operates and supply of consumed and generated energy mon- itoring services.

1 — Energy requalification of buildings and production facilities

2 — Sale, installation and management of photovoltaic systems

3 — Goods and services for heating and cooling

4 — Installation of charging columns, wallboxes and micro-electric mobility services

Energy efficiency solutions offered by Plenitude

	OFFERED SOLUTION	CATEGORY OF CUSTOMERS	ITALY	FRANCE	GREECE	SPAIN
1	Energy requalification of buildings and production facilities	Residential Customers	✓	✓	✓	
		Business Customers	✓	✓		
2	Sale, installation and management of photovoltaic system	Residential Customers	✓			✓
		Business Customers	✓	✓		✓
3	Smart Home products	Residential Customers	✓		✓	
4	Goods and services for heating and cooling	Residential Customers	✓		✓	✓
		Business Customers	✓	✓		✓
5	Installation of charging columns, wallboxes and micro-electric mobility services	Residential Customers	✓		✓	
		Business Customers	✓		✓	

2.1.3.1
Energy requalifications of buildings

57 thousand tonnes of CO_2eq. avoided thanks to energy requalification interventions

Regarding residential customers, Plenitude - through the company SEA - offers solutions for the **energy requalification** and **anti-seismic reinforcement** of both condominiums and single-family buildings through the **"Cappotto-Mio"** product. This solution, which is eligible for the tax incentives related to energy or seismic class improvements (Superbonus, Ecobonus and Sismabonus), entails the implementation of different types of intervention, such as:

• thermal insulation of façades and roofs with 'external cladding' systems, in compliance with CAM requirements, the certification which requires the use of materials containing a minimum percentage of recycled materials
• requalification or replacement of thermal facilities with "hybrid" systems consisting of a heat pump integrated with a condensing thermal module or only with condensing boilers, whether centralised or autonomous
• replacement of window fixtures
• anti-seismic reinforcement
• installation of PV and storage systems
• installation of facilities for the electric recharging of vehicles.

Interventions in this area avoided around **35,000 tonnes of CO_2eq.** (an increase of 62% compared to 2021).

Again through SEA, Plenitude carries out energy efficiency upgrades and requalification for industrial customers such as large enterprises and SMEs through the subscription to the **Energy Performance Contract (EPC)**[39]**.** The services provided under EPC contracts include the **energy analysis** of production plants and the identification of innovative solutions for **the efficiency of plants** to achieve tangible energy savings. Through the same contractual arrangement, SEA offers companies the installation of plants for energy production from renewable sources.
Thanks to the measures taken in this area, **2,669 tonnes** of CO_2eq. will be avoided in 2022.

Plenitude continues to pursue project management activities to obtain **Energy Efficiency Obligations (TEE)**[40], which in 2022 resulted in the avoidance of **19,610 tonnes of CO_2eq.** emissions.

Overall, avoided emissions through energy requalification by the end market amounted to approximately **57,000 tonnes of CO_2eq.**[41] (+62% compared to the 21,500 avoided in 2021).

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39 - The EPC model implies that SEA covers the intervention's initial investment and management costs while the customer pays the Company a share of the energy savings generated.

40 - Also called Energy Efficiency Obligations (TEE), white certificates are the primary incentive mechanism for energy efficiency through which the Gestore dei Servizi Energetici (GSE) awards a certificate for every TOE of savings achieved through energy efficiency measures. On the instructions of the GSE, the certificates are then issued by the Gestore dei Mercati Energetici (GME) on special accounts to be traded and valued on the market platform managed by the GME or through bilateral trading.

41 - Avoided emissions related to requalification measures include CappottoMio, EPC and TEE, and refer to energy savings due to energy efficiency in buildings.
For details on the calculation methodology, please refer to section Calculation methodologies.

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2.1.3.2
Sale, installation, and management of photovoltaic systems

In Italy, through its subsidiary Evolvere, Plenitude provides **sales, installation, management, and monitoring services for photovoltaic systems** directly to end customers, which thus become prosumers, meaning consumers who produce and consume electricity from renewable sources, as they are able to potentially also store the unused energy and inject its surplus into the grid.

Evolvere's offer combines different solutions. These may include the installation of a photovoltaic system and its inverter, as well as an energy storage system, a heat pump for a winter air conditioning system and an electric car charging wallbox.

At the end of 2022, Evolvere counted a total of **14 thousand photovoltaic plants, owned or managed** throughout Italy, corresponding to an installed capacity of 76 MW (a 30% increase over the 58 MW recorded at the end of 2021), of which **28 MW** are **in Plenitude**. In 2022, Evolvere also recorded a 27% increase over 2021 in electricity production from renewable sources, **totalling 88 GWh** (69.5 GWh in 2021).

Evolvere assembles more than **160,000 prosumers** from all over Italy through the **My Solar Family** digital community, which allows them to monitor the energy and economic flows related to their (mainly residential) photovoltaic system. This is possible, also thanks to Eugenio, a proprietary technology consisting of a cloud system and hardware installed at the Customer's premises. Thanks to My Solar Family, the owners of photovoltaic systems can find support in monitoring the performance of their system and receive updates on the status of payments of incentives and contributions, along with other dedicated services.

Moreover, in Italy, additional projects related to energy efficiency are currently being planned and implemented, such as the initiatives in the **smart district** area for the realization and management of innovative energy systems to maximize urban districts' energy efficiency. As proof of its commitment in this field, in 2022 Plenitude added an agreement to set up a **joint venture with Elmet**, a Costruzioni Turistiche Immobiliari (Cotim) Group company. Together, the two companies will be dedicated to designing, constructing, operating and maintaining an energy system to meet the needs of the Chorus Life smart district in Bergamo.

Finally, Plenitude is developing initiatives to realise **Energy Communities and Collective Self-Consumption Groups**.

Plenitude archive - Evolvere

2.1.3.3
Other energy efficiency solutions offered by Plenitude

Smart home energy efficiency products

Eugenio is the open, integrable and scalable smart energy ecosystem - entirely developed by Evolvere - that offers innovative services with high added value through simple and accessible technology. It aims to spread a new approach to energy use: more sustainable, efficient, simple and economical.

Savings, comfort and control are its strengths for an intelligent home and a lighter environmental impact. Eugenio communicates with energy resources such as inverters, electrical storage systems, sensors and actuators. It sends data to the cloud via the home internet connection, making it available via a smartphone mobile app.

Goods and services for heating and cooling

In Italy, Plenitude offers its customers the sale and installation of products for heating and cooling (boilers, water heaters, air conditioners and hybrid heating systems) for domestic or equivalent use. The sold and installed products are purchased directly through partnerships with Riello[42], Ariston[43] and Haier[44].

Installation of charging columns and wallboxes

Plenitude offers to its residential and business customers (condominiums and companies) the installation of charging columns and wallboxes, with subsequent management and monitoring. This service can be sold with other services such as the supply of electricity from renewable sources or installing a photovoltaic system.

The renewable energy communities (CER) and the Collective Self-Consumption Groups (AUC): the EvoNaRse Project

Renewable Energy Communities and Collective Self-Consumption Groups are based on collaborating with several actors to produce, self-consume and share photovoltaic electricity through the existing public distribution network. As it has always been a convincing promoter of new energy solutions, Plenitude aspires to support the RECs and AUCs throughout the useful life of the community and systems. To this end, for over three years, the Company has been monitoring the regulatory path (which has yet to be finalised) that is leading to the development of communities in Italy, and it took action on several fronts in 2022. In particular, on the operational front, it activated, in cooperation with Evolvere and RSE Energy System Research, the EvoNaRse project involving a block of flats in Naples consisting of 30 residential units and two commercial businesses located on the ground floor of the building.

In the building, the Company installed a 10 kWp photovoltaic system on the roof and a 5 kW/12 kWh battery storage system in the technical rooms. The energy generated by the solar panels is used directly (or through storage) to power the common services as a priority, while the residual production is intended for sharing with the apartment blocks that have joined the project. One of the most interesting aspects of EvoNaRse is the integrated solution for real-time monitoring of the energy produced by the photovoltaic modules on the roof, stored in the batteries and consumed by each user.

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42 - Italian company producing heating and air conditioning systems and technologies. For more information, refer to the site Riello.
43 - Italian company producing heating and air conditioning systems and technologies. For more information, refer to the site: Ariston.
44 - Chinese company that produces household appliances and consumer electronics. For more information, refer to the site: Haier.

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2.1.4
Electric mobility solutions

13,093 proprietary charging points installed at December 2022

Plenitude expanded its business model, becoming a benchmark for innovation in the electric mobility market. The Company's objective is to contribute to the energy transition towards a more sustainable and less polluting mobility model by supporting the installation of recharging stations for electric vehicles powered by energy from renewable sources, in a capillary manner throughout Italy and abroad.

Throughout 2022 Be Charge, the company that manages the charging stations for Be Power, installed and activated almost **7,000 charging points** in Italy and Europe. With a total of **13,093** proprietary charging points installed at 31 December 2022 (+100% compared to 2022), Plenitude - through Be Charge - is now one of the most important operators in the electric vehicle charging services segment in Italy and Europe.

7,405 tonnes of CO_2eq. avoided thanks to charging

During 2022, recharging sessions and the energy delivered saw exponential growth compared to 2021, which made it possible to avoid the emission of **7,405 tonnes**[45] of CO_2eq. into the atmosphere by mobile electric vehicles, tripling the result achieved in 2021 (1,950 tonnes of CO_2eq.).
In the coming years, Be Charge aims to build one of the largest, most extensive public charging infrastructures for electric vehicles in Italy and Europe, with about 20,000 charging points installed by the end of 2023, more than 30,000 in 2026 and reaching about 35,000 in 2030. For this purpose, Plenitude has a 9,000 charging point pipeline in Italy (85%) and abroad (15%). 52% of the charging points are located on private areas with public access (Eni service stations, supermarkets, shopping centres and the like) and 48% on public areas (municipalities).
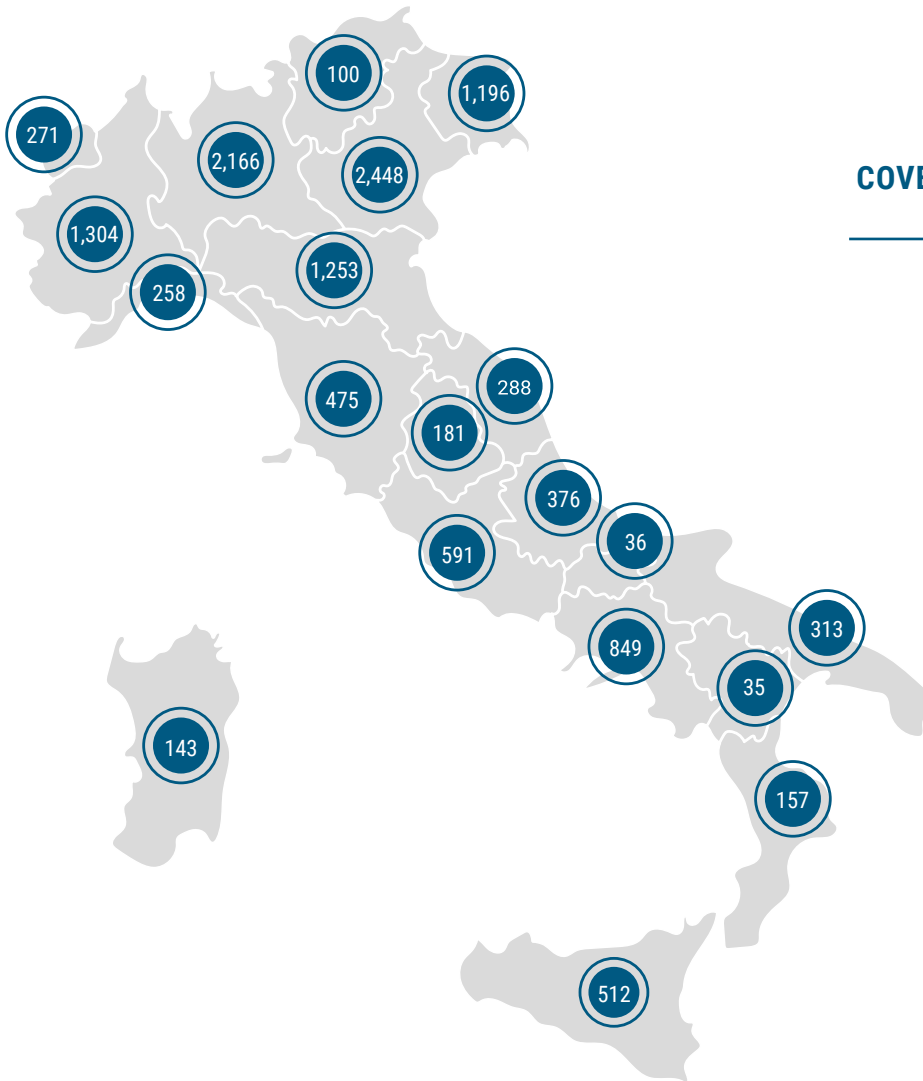
About 20,000 charging points installed at 2023, 30,000 at 2026

Plenitude archive - Be Charge

45 - The calculation of the avoided CO_2eq. emissions is based on data provided by ISPRA on the average emissions of the Italian ICE vehicle fleet. For details on the calculation methodology, please refer to section Calculation methodologies.

Charging points installed as of December 31, 2022

Map of Italy with charging points:
100, 1,196, 271, 2,166, 2,448, 1,304, 258, 1,253, 475, 288, 181, 376, 36, 591, 849, 313, 35, 143, 157, 512

COVERAGE OF MORE THAN 95% OF ITALIAN PROVINCES

100% COVERAGE OF ITALIAN REGIONS

141 REST OF EUROPE

13,093 INSTALLED OWNED CHARGING POINTS AT DECEMBER 31,2022

~12 YEARS AVERAGE DURATION OF CONCESSIONS

BeCharge: Innovative Technology Projects

Finding itself at the forefront of the radical transformation taking place in the energy sector, as a *High Tech Company*, Be Charge is engaged in innovative projects on both the technology and digital flow management fronts. In particular, in 2022, the Company launched several projects that will bring benefits in the following areas:

· As part of the Demand Response ac-

tivity, which enables the provision of flexibility resources to the distribution and transmission grid, several recharging infrastructures were qualified to provide flexibility services to the distribution and transmission grid.

· Use of storage systems combined with electric vehicle charging stations allows users to enjoy the benefits of fast charging infrastructure, even in

remote locations or locations with limited grid connection potential.

· Development of new big data-based digital products to offer a better service to customers by also developing communication in line with their characteristics through physical and digital touchpoints.

2.2

Direct and indirect emissions

Greenhouse gas emissions are divided into direct emissions and indirect emissions.

Direct emissions (Scope 1) come from the Company's operations, produced by sources owned or controlled by the Company.
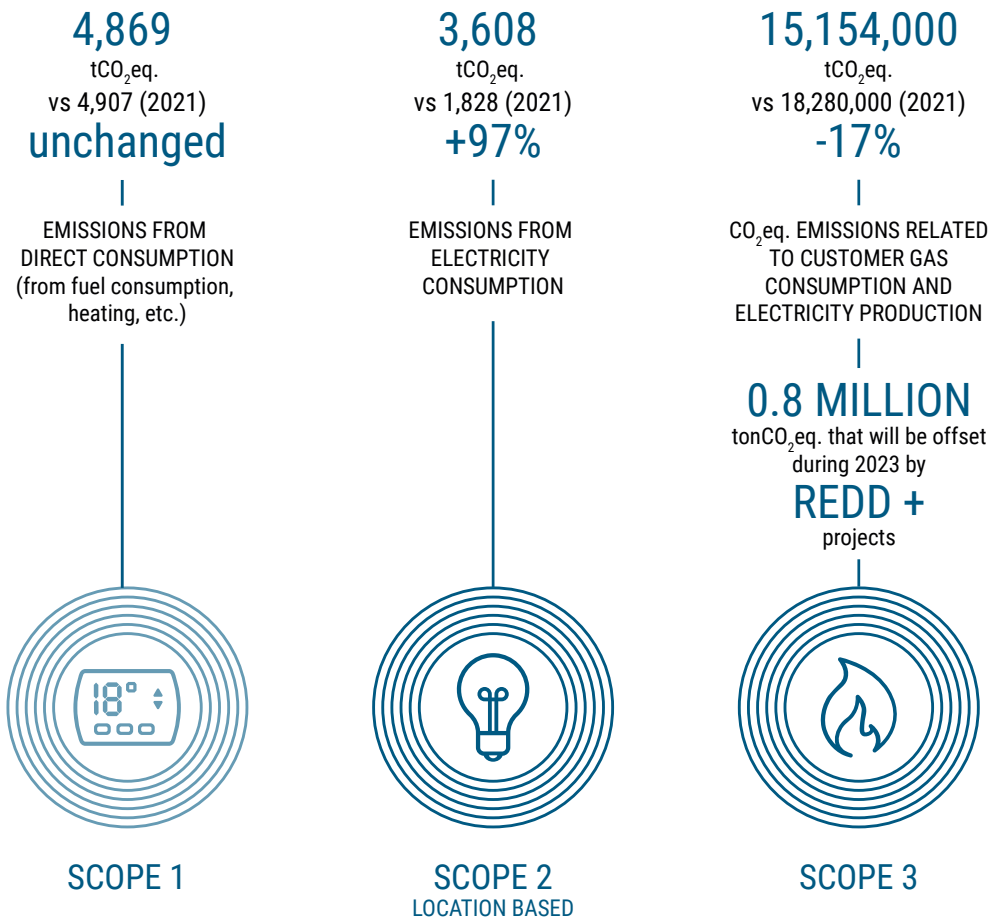Indirect emissions are associated with the activity of the reporting company but come from sources owned or controlled by third parties.

They are classified into:

• Scope 2: emissions coming from the production of purchased electricity, steam, heat or cooling;

• Scope 3: indirect emissions, not included in Scope 2. Given the Plenitude activities, an initial calculation exercise was carried out for Scope 3 emissions, considering the significant categories based on a benchmark analysis

and the Company's business model. In particular, those considered are emissions tied to the consumption of gas sold to customers (category 11) and those related to electricity generation in the retail segment (category 3).

Scope 1 and 2 emissions depend on energy consumption related to the performance of business activities.

4,869
$tCO_2eq.$
vs 4,907 (2021)
unchanged

EMISSIONS FROM DIRECT CONSUMPTION (from fuel consumption, heating, etc.)

3,608
$tCO_2eq.$
vs 1,828 (2021)
+97%

EMISSIONS FROM ELECTRICITY CONSUMPTION

15,154,000
$tCO_2eq.$
vs 18,280,000 (2021)
-17%

$CO_2eq.$ EMISSIONS RELATED TO CUSTOMER GAS CONSUMPTION AND ELECTRICITY PRODUCTION

0.8 MILLION
$tonCO_2eq.$ that will be offset during 2023 by
REDD +
projects

SCOPE 1

SCOPE 2
LOCATION BASED

SCOPE 3

The energy consumptions essentially concern the natural gas used in the cogeneration plants of the Slovenian subsidiary Adriaplin[46], the use of the company's fleet vehicles, energy for heating and electricity purchased from the grid for offices, stores, utilities and auxiliary services of photovoltaic and wind power plants of the "Renewables" business unit. Specifically, compared to Plenitude's total electricity production, the output from the cogeneration plants of its Slovenian subsidiary Adriaplin, which will be shut down during 2023, accounts for less than 1%, compared with 99% coming from renewable sources instead.

In 2022, the total consumption of fuel energy and electricity purchased amounted to **approximately 113,967 GJ**[47]. Compared to 2021, there is a significant drop in natural gas consumption in 2022 due to Adriaplin completing the decommissioning of its two largest cogeneration plants out of the seven it operates from mid-2021 on. On the other hand, there is a significant increase in vehicle-related consumption due to the expansion of the consolidation domain. Similarly, electricity consumption more than doubled, mostly due to the installations acquired in mid-2021. The total consumption was **insignificant compared to the volumes of electricity produced** by the plants themselves.

In 2022, fuel consumption produced 4,869 tonnes of **Scope 1** emissions CO_2eq. (a decrease of 0.8% compared to 2021[48]). The amount of Scope 1 emissions includes 2,654 tCO_2eq. from combustion and 2,215 tCO_2eq. from diffuse and fugitive emissions (referring to methane CH_4). Emissions from combustion remain essentially unchanged, as the reduction due to Adriaplin's decrease in fuel gas consumption for the decommissioning of two cogeneration plants is offset by increased consumption in fleet vehicles for business expansion.

Purchased power consumption generated 3,608 tCO_2eq. of **Scope 2** emissions, an increase of 97%[49] over 2021, mainly as a function of new facilities acquired in the second half of 2021 and early 2022.

It should be noted that overall GHG emissions (Scope 1 + Scope 2) increased by about 26%.

In 2022, the **Scope 3** emissions amounted to: 13.6 million tCO_2eq. from gas consumption by users (Category 11 "use of products sold"), down from 2021 due to a decrease in gas sales, and 1.5 million tCO_2eq. related to electricity production purchased from third parties for resale not covered by Guarantees of Origin (Category 3 "marketed electricity"), down from 2021 due to an increase in the share of electricity produced from renewable sources through the use of guarantees of origin certificates, even though electricity sales increased by 11%. The total value of Scope 3 emissions is 15.1 million tCO_2eq. of which, during 2023, 0.8 million tCO_2eq. will be offset through high-quality carbon credits, mainly obtained from Natural Climate Solutions.

Aleria plant - France

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46 - Adriaplin d.o.o. is a subsidiary of Plenitude that deals with the distribution and supply of natural gas on the Slovenian territory. For further information, please consult the following page: ADRIAPLIN d.o.o.

47 - The consumption figure in GJ was calculated according to Eni's methodology and taken from the Parent Company's database, refining the data taken into consideration and the calculation method itself. Figures for 2021 and 2020 were also updated. For further information on energy consumption and emissions, please refer to section "Performance tables".

48 - The reported 2021 Scope 1 emission figure of 4,907 tCO_2eq. changed from the total reported in the 2021 Sustainability Report (2,666 tCO_2eq.). This was mainly due to the refinement of the data taken into account, where both combustion emissions and fugitive emissions of CO_2+CH_4+N_2O (not included in last year's figure) were included.

49 - The 2021 Scope 2 emission figure of 1,828 tCO_2eq. changed from the total reported in the 2021 Sustainability Report (2,151 tCO_2eq.). This was mainly due to the updating of the calculation methodology and the refinement of the data considered.