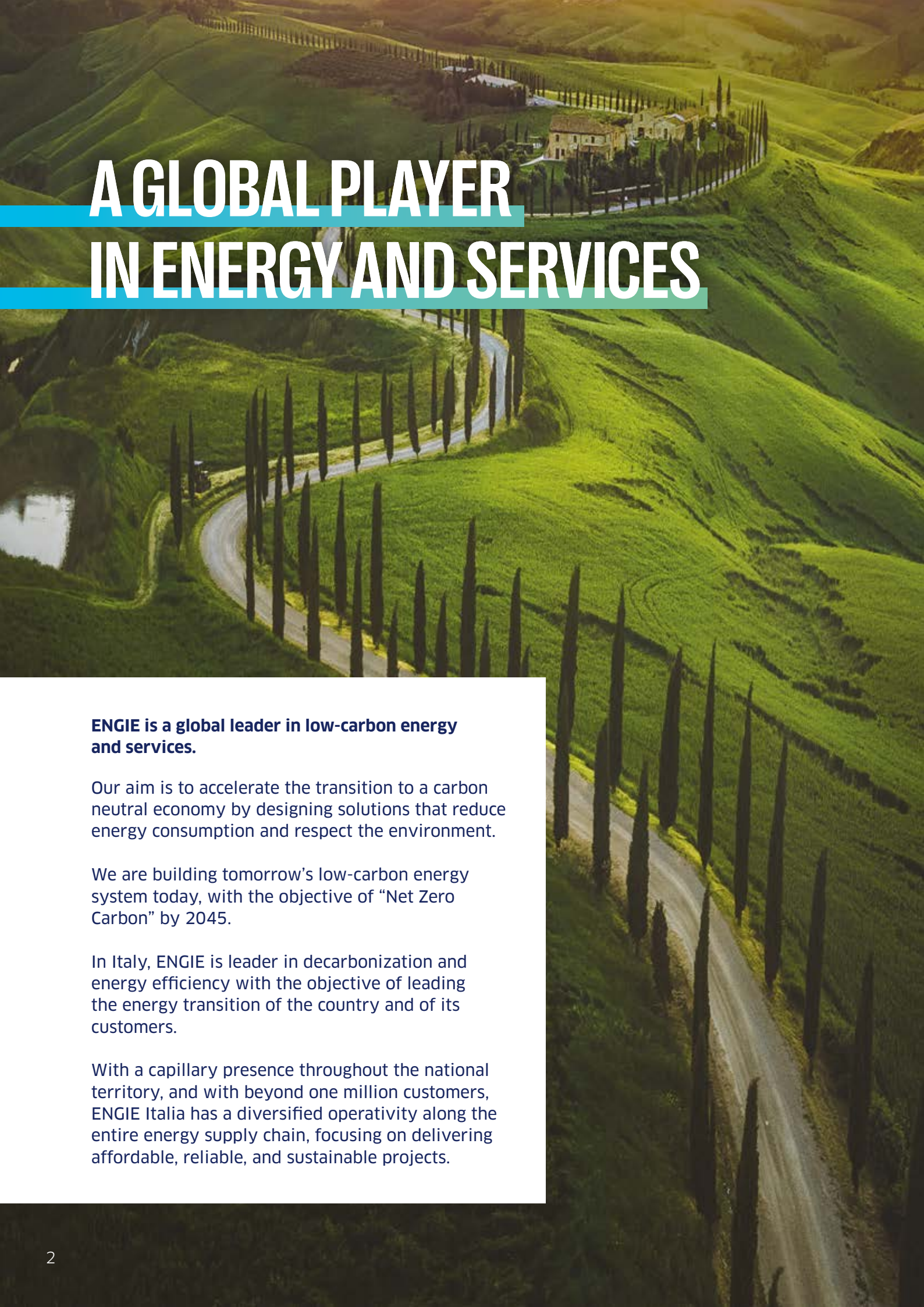

THE ENERGY OF ENGIE
ENGIE



A GLOBAL PLAYER IN ENERGY AND SERVICES

ENGIE is a global leader in low-carbon energy and services.

Our aim is to accelerate the transition to a carbon neutral economy by designing solutions that reduce energy consumption and respect the environment.

We are building tomorrow's low-carbon energy system today, with the objective of "Net Zero Carbon" by 2045.

In Italy, ENGIE is leader in decarbonization and energy efficiency with the objective of leading the energy transition of the country and of its customers.

With a capillary presence throughout the national territory, and with beyond one million customers, ENGIE Italia has a diversified operativity along the entire energy supply chain, focusing on delivering affordable, reliable, and sustainable projects.

WORLD

98.000
employees

30
countries

€ 72 BN
turnover

305.600 KM
gas and electricity transmission networks

103 GW
of installed electricity generation and storage capacity, of which:

57 GW
of installed renewable energy capacity (production and storage)

46 GW
of installed thermoelectric capacity

ITALY

1 MILLION
customers

60
offices

800 MW
capacity of renewable energy and **42** wind, photovoltaic and storage plants

2,800
employees

15
district heating networks

2,500
schools

MORE THAN
350
Municipalities

635,000
public lighting points

80
hospitals

30
universities, museums and theatres

2
Smart Cities

TOGETHER TO DO MORE

At ENGIE, we want to lead the transition towards a carbon neutral economy, to create a more equitable and inclusive future for all. This mission unites everyone: together with our 98.000 employees, our customers, partners and stakeholders, we are committed to accelerating the transition to a carbon-neutral world, by reducing energy consumption and more environmentally friendly solutions.
Inspired by our purpose (“raison d'être”), we combine economic performance with a positive impact on people and the planet, based on our key activities (gas, renewable energy, services) to offer competitive solutions to our customers.

WE ARE COMMITTED TO AFFORDABLE, REALIABLE AND SUSTAINABLE ENERGY

Accelerating the renewable energies and the low carbon energy infrastructures development.
We have the objective to reach 50 GW of renewable energy in 2025 and 95 GW in 2030.

Strengthening our commitment to decarbonization.
We act across the energy value chain to avoid 43Mt of CO2 emissions per year by 2030, with a Net Zero carbon goal by 2045.

Simplifying and adapting our organization.
We made our organization even more efficient, with an industrial approach focused on our core activities.

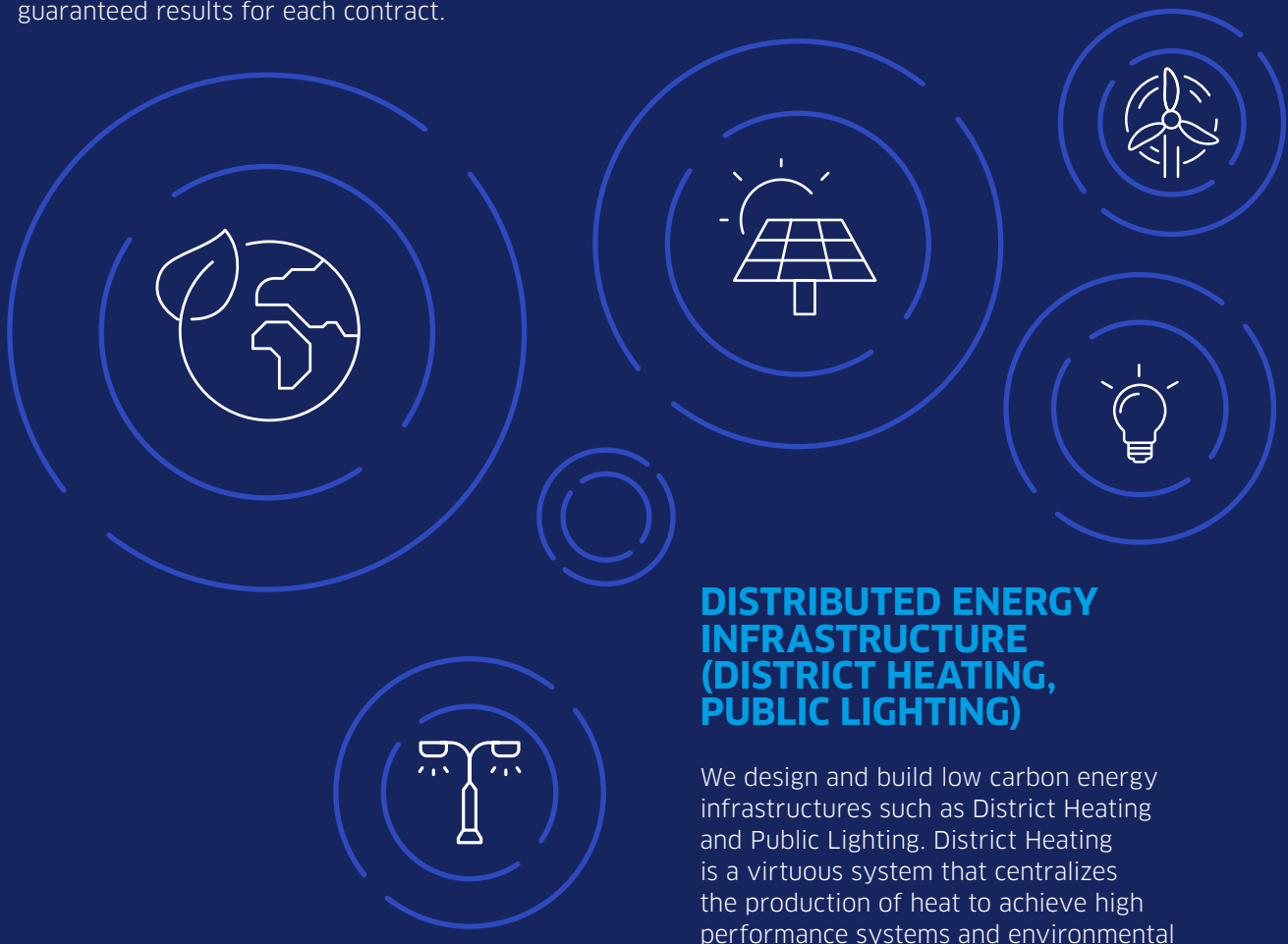
OUR SOLUTIONS

ENERGY EFFICIENCY

We **optimize systems**, making them more efficient, we identify the **best technologies, we analyze consumption and, through proper maintenance and upgrading, we develop solutions** that reduce environmental impact and energy costs. We integrate our solutions with the Facility Management, managing all activities not related to the customer's core business (technological and governance). We take **global responsibility** for the project, with customized and durable solutions and guaranteed results for each contract.

RENEWABLE ENERGIES

We design, install and manage energy production plants from renewable sources: **solar photovoltaic and thermal, trigeneration plants combined with photovoltaics, wind and geothermal plants**.
With the aim of being a reliable and transparent partner for both public and private companies, we take care of every aspect of the system, from design to management. In this way, we are able to guarantee a **100% green energy** offer and savings both for the environment and the consumption.



DISTRIBUTED ENERGY INFRASTRUCTURE (DISTRICT HEATING, PUBLIC LIGHTING)

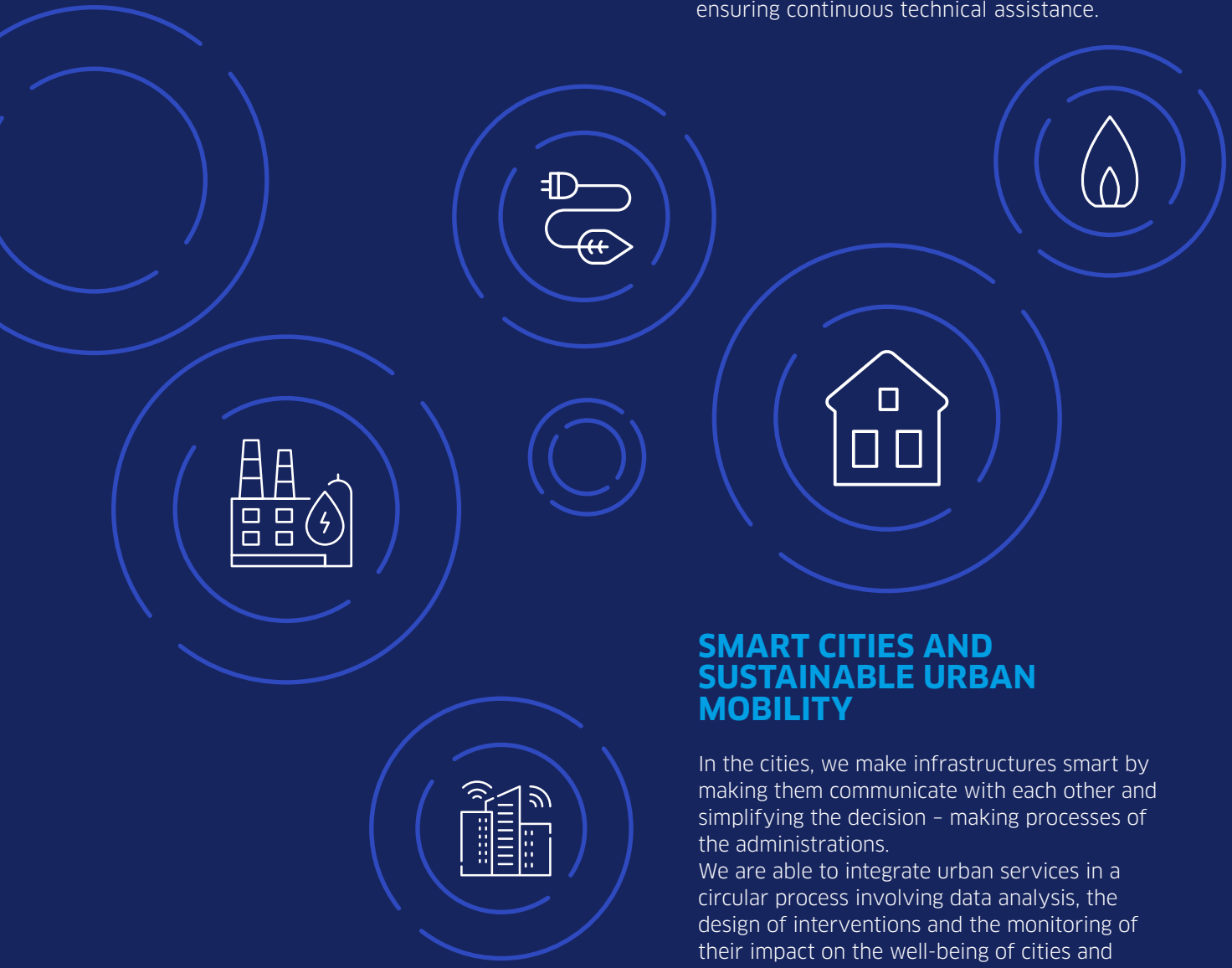
We design and build low carbon energy infrastructures such as District Heating and Public Lighting. District Heating is a virtuous system that centralizes the production of heat to achieve high performance systems and environmental benefits in cities. Public lightings equipped with LED technology ensures efficiency and economy. Thanks to electronic devices, we create a remote-control network.
Through a widespread Wi-Fi system, we offer technological and dedicated to personal and environmental security telecommunications services.

PRODUCTION AND ENERGY MANAGEMENT

Thanks to a highly qualified internal team, we design, distribute, and assure energy through **innovative and efficient solutions** (cogeneration, trigeneration and thermal power plants).
Our offer is completed by specific skills of **energy management and energy storage**.

SALE OF ELECTRICITY AND GAS

We provide **100% green energy**, with solutions oriented towards innovation, digitalization, use of renewable energy and service. Each offer maximizes the **customer experience**, offering technical tools to monitor, optimize and reduce consumption and environmental impact, ensuring continuous technical assistance.



SMART CITIES AND SUSTAINABLE URBAN MOBILITY

In the cities, we make infrastructures smart by making them communicate with each other and simplifying the decision – making processes of the administrations.
We are able to integrate urban services in a circular process involving data analysis, the design of interventions and the monitoring of their impact on the well-being of cities and citizens.
We take care of every aspect of urban mobility, with **100% green** e-mobility solutions, in order to reduce polluting emissions and ensure an efficient and coordinated with local public transport vehicular flow.

ABLE TO RESPOND TO ANY TYPE OF NEED

We are present with a capillary network of offices throughout the country and with a call center active 24 hours a day 7 days a week.

Our energy is in homes, companies and cities, with solutions capable of reconciling individual and collective interests.

MUNICIPALITY OF FLORENCE

Energy requalification of 7 museums, 152 schools, from kindergartens to secondary schools, and 302 buildings between cultural venues, libraries, offices, warehouses, aggregation and elderly, housing, cemeteries and sports facilities with the dual objective of reducing heat loss and consumption and integrating energy from renewable sources. More than 3 thousand traditional indoor lamps will be replaced with LED technology, improving lighting efficiency and visual comfort and photovoltaic systems will be installed.

30% and 20% total savings of thermal and electric for a reduction of 45,000 tons of CO2.

RENEWABLE ENERGY FARMS IN SICILY

Five green energy farms have been built in Sicily: the wind farms in Salemi/Trapani and Elimi, the photovoltaic plants in Lembisi and Santa Chiara, and the agrivoltaic plant in Mazara del Vallo and Paternò for about 174 MW of installed power. The agrivoltaic plant in Mazara del Vallo is the largest in Italy and produces energy that is largely destined for Amazon in order to power its offices. The remaining part is fed into the market, contributing to the energy needs of about 20,000 Sicilian households.

Agrivoltaic systems allow a cut of 62,000 tons of CO2 per year.

PERUGIA HOSPITAL AUTHORITY SANTA MARIA DELLA MISERICORDIA HOSPITAL

Designed and installed a photovoltaic system and built a trigeneration power plant. A virtuous system for clean energy production that covers: 47% of thermal energy needs, 58% of cooling energy needs, and 49% of electrical energy needs.

Cut more than 50% annual CO2 emissions to the atmosphere.

CIVIL AIRPORT "V. FLORIO" OF TRAPANI-BIRGI

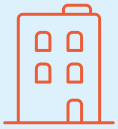
Upgrading, energy efficiency and facilities management of the entire facility: installation of a 300sqm photovoltaic system on the roof of the Airport Terminal. Indoor and outdoor relamping, installation of 2 multipurpose heat pumps, intended for both heating and summer air conditioning of the Terminal.

Reduced electricity consumption by 24% per year, cut CO2 emissions by 400 tons.

FCA – MIRAFIORI (TO)

Designed and built a maxi-shelter consisting of about 12,000 photovoltaic panels that will power the production and logistics premises with clean electricity. Energy management of the dynamic battery capacity of 64 connected electric cars of the V2G (vehicle to grid) infrastructure managed by Free2Move eSolutions (2MW) to provide services to the grid.

More than 6.500 mwh of GO-certified energy, saving more than 2.100 tons of CO2 per year.



VILLAGGIO RESIDENZIALE "IL GIRASOLE" (PG)

One of the largest and most innovative residential energy upgrading projects in Italy: geothermal energy, heat pumps, electric vehicle charging stations, IoT solutions for monitoring and managing individual consumption, photovoltaic systems and integrated storage systems in "Energy Community" configuration.

Increase of 6 energy classes, 80% and more than 90% savings on energy consumption and CO2 emissions.

MUSEO AND REAL BOSCO OF CAPODIMONTE NAPOLI

Ensured 90% self-production of the energy required: designed and installed a trigeneration plant which ensures the production of 800 MWh of electricity and 1 GWh of thermal energy per year. Also, ensured the production of about 800 MWh of energy each year through the installation of 4,500 photovoltaic modules and expanded the air-conditioned areas by 77% and renewed the lighting of more than 16 thousand square meters.

50% energy saving and overall reduction of 1,700 tons of CO2 emissions.

MUNICIPALITY OF AOSTA

The project involves the 90 percent upgrading of the public lighting network and a 20-year-long management, the introduction of new technologies for plant control and replacement of more than 6,000 streetlights. In addition, ENGIE also manages the city district heating network, a 21-kilometer infrastructure powered by a cogeneration plant integrated with a virtuous system of waste heat recovery from the “Cogne Acciai Speciali” steel mill for further reduction of polluting emissions.

Reduced energy consumption by 80% and avoided more than 20,000 tons of CO2 emissions.

MARCEGAGLIA GROUP

Realization of 2 cogeneration plants at the Gazoldo degli Ippoliti (Mantua) and Ravenna plants. Multi-year consulting for decarbonization of production sites and executive offices, including: LED lighting, high-efficiency motors, photovoltaic systems, thermal waste recovery solutions, gas turboexpansion, ORC plants, oxyfuel and electrolysis for green hydrogen production.

Saving energy consumption by about 25% and atmospheric CO2 emissions by 30%.

UNIVERSITÀ CA’ FOSCARI IN VENEZIA

A PPP for the energy services management of 32 buildings and the energy upgrading of 20 buildings - for a total extension of about 500,000 cubic meters - and the green energy self-production from renewable sources, thanks to the installation of photovoltaic systems and new efficient energy generation and distribution systems, BMS (building management system) systems for the proper management and regulation of energy flows, and thermal insulation interventions on the envelope.

Overall savings of 2,500 tons of CO2 emissions and 10% of energy.

MUNICIPALITY OF FIUMICINO

Upgrading and management of energy systems of kindergartens, preschools, elementary schools, middle schools. “Full Electric” conversion of facilities and efficient energy management, with upgrading of 31 thermal power plants, installation of 31 photovoltaic systems and re-lamping of school buildings.

Savings of about 650 toe of thermal and electrical energy, reduction of atmospheric emissions of nearly 1,400 tons of CO2 per year.

SANOFI - SCOPPITO (AQ)

Photovoltaic system of about 1000 kWp, responsible for the production of 1600 MWh/year of renewable energy. It consists of a 920 kWp ground tracking system and a 79 kWp photovoltaic shelter, with green energy charging stations for Sanofi employees' cars. The project follows the realization of a trigeneration power plant which, in five years, has enabled the Scoppito plant to independently generate electricity from natural gas and recover the thermal energy generated by the endothermic engine.

Electrical energy consumption savings of 1,600 mwh and cut of 500 tons of CO2 per year.

SETTIMO TORINESE (TO) AND VERZUOLO (CN)

Settimo Torinese: 47-km district heating network providing 77 GWh of thermal energy per year to more than 6,000 public, commercial, industrial and residential users, supplied with heat recovered from the adjacent Leini thermoelectric power plant.

Verzuolo: district heating network powered by a biomass plant with 7 GWh of electricity and 6.5 GWh of thermal energy, supplying heat to 50 public buildings, commercial activities and private homes, 450 end users.

Avoided a total of more than 21,500 tons of CO2 emissions per year.

CONDOMINIO SAN CARLO TRIESTE MILANO

Upgraded the entire complex through works that provide clean energy, including: a new cogeneration plant consisting of 2 new condensing boilers, 2 cogenerators for the simultaneous production of thermal and electrical energy, and a geothermal heat pump that uses groundwater.

Savings of about 200 thousand euros per year with a saving of more than 1,250 tons of CO2.

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