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# COMPANY PROFILE



**COGENINFRA**  
Efficient energy, sustainable solutions



**COGENINFRA**

Efficient energy, sustainable solutions

**Cogeninfra S.p.A.**

Via Tetti dell'Oleo, 17/25, 10071, Borgaro Torinese (To)

E-mail: [info@cogeninfra.it](mailto:info@cogeninfra.it)

P.Iva 11981480012

Website: [cogeninfra.it](http://cogeninfra.it)



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# COGENINFRA GROUP

**Cogeninfra Group** was established from a joint vision held by a team of seasoned professionals, boasting over fifteen years of experience in the district heating and energy efficiency domains, in collaboration with a prominent international infrastructure investment fund.

Together, they've established a platform with the capacity to unite diverse regional entities, consolidating the fragmented Italian energy sector while establishing a fresh, competitive presence on both national and global scale. In fact, Cogeninfra extends its operations into European markets through a subsidiary located in Warsaw.

The Group is in a constant state of expansion and is organized into two business units, namely **Cogeninfra Heat** and **CogeninfraSave**, each specializing respectively in the district heating and energy efficiency domains.

The Group is engaged in numerous projects focused on sustainable development and the technical transformation of existing facilities or the establishment of new ones, both in the public and private sectors.

# VISION & MISSION

## VISION

We create energy solutions for innovative cities and businesses.

## MISSION

To deliver to our customers the most efficient and renewable energy solutions that foster a rational use of energy, ensure cost savings and lead to new perspectives of environmental sustainability.

# CORPORATE BUSINESS UNITS



**COGENINFRA  
HEAT**

## DISTRICT HEATING

It's a form of heating that enables the distribution of high-temperature water or steam originating from a production plant through insulated (underground) pipe networks. The system arranges for the hot fluid to reach households by operating in heating or cooling systems, after which it returns to the same power station at a lower temperature.



**COGENINFRA  
SAVE**

## ENERGY EFFICIENCY

It provides cutting-edge solutions geared towards environmental respect and cost-saving, encompassing the design, financing, and administration of energy assets, as well as the enhancement of energy facilities. All our companies specialize in energy efficiency services within the industrial and agricultural sectors, with a strong emphasis on savings, consumption reduction, and the mitigation of pollutant emissions.

# THE GROUP

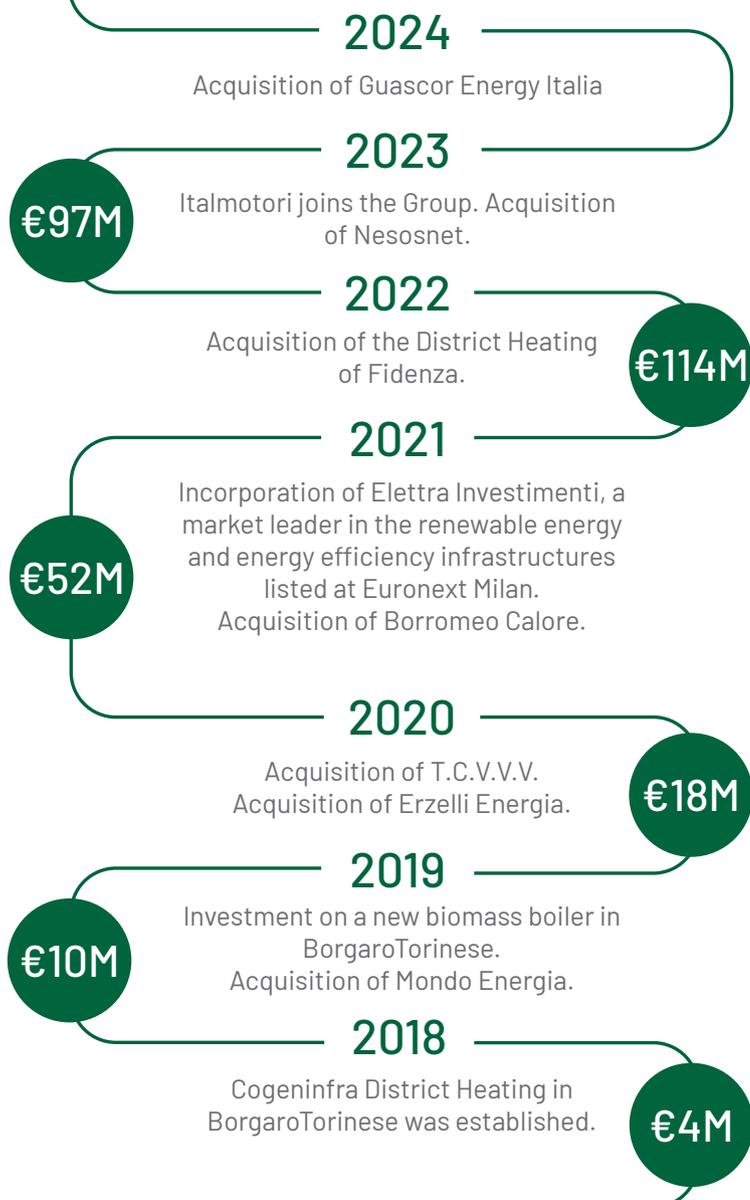


# A CONSTANT EVOLUTION



# COGENINFRA FIGURES

Chart detailing the value of production in millions of euro from 2018 to 2023.



# COGENINFRA NETWORK ON THE TERRITORY





# HEAT THE DISTRICT HEATING DIVISION



© photo by Michele Nastasi, project by studio delboca&Partners

# PROFILE

At present, Cogeninfra is acknowledged as one of the leading Italian operators in the district heating industry.

It currently ranks among the top **12 national operators** in the district heating market<sup>1</sup>, with **12 plants** in Piedmont, Lombardy, Emilia Romagna, Umbria, Liguria and Friuli Venezia Giulia, with a total connected thermal capacity in excess of **263 MWt** delivering **180 GWht** of heat annually to **1.900** customers and an electrical power of **25 MWe** which feed **69 GWhe** into the network.

During 2023, the CO<sub>2</sub> emissions that were averted correspond to **55,47** ktonnes.

Data as at 31/12/23

<sup>1</sup>source: internal processing on AIRU Yearbook 2022



# BENEFITS



## FOR THE ENVIRONMENT

- Cogeninfra promotes a rational use of energy resources, focusing on reducing the consumption of fossil fuels and the lowering of the local pollution.
- Cogeninfra improves air quality by cutting down on pollutants and greenhouse gases.
- Cogeninfra improves the building's energy performance and thereby increase the value of the property.



## FOR THE PEOPLE

- More cost-effective with resulting savings in your bill.
- No combustion and no flame in the boiler, safer system.
- Lower maintenance costs.

# TARGETS



Condominiums



Public  
Administration



Retirement  
homes



Hotels



Swimming Pools



Industries

# HEATING POWER PLANTS



© photos by Michele Nastasi, project studio delboca&Partners

# ASSISI



The Assisi district heating cogeneration plant and network have been delivering heat since 2008 and have gradually expanded the number of users served, reaching a total connected capacity of 23,6 MW so far.

- 11 km of network.
- 73 customers served.
- 10,6 GWh of heat delivered in 2023.
- 7,15 MWt engine capacity.
- 6,7 MWe electric power.
- Powered by natural gas.
- In operation since: 2008.
- 5.119 t of CO<sub>2</sub>/year averted in 2023.



# BORGARO TORINESE



**COGENINFRA** HEAT  
BORGARO TORINESE

The district heating network in Borgaro Torinese, is powered by a biomass/natural gas hybrid plant and has been supplying heat since 2008. To date, it has a total connected capacity of 23,7 MW, which ensures efficiency, cost savings and respect for the environment.

- 8,3 km of network.
- 64 customers served.
- 16,11 GWh of heat delivered in 2023.
- 3 MWt engine capacity.
- 3 MWe electric power.
- 1.175 m<sup>3</sup> of heat storage.
- Powered by biomass-natural gas.
- In operation since: 2008.
- 5.888 t of CO<sub>2</sub>/year averted in 2023.



# FIDENZA



The district heating network in Fidenza has been delivering heat since 2011 and has progressively increased the number of users served, achieving a total connected capacity of 2,4 MW to date. Various expansions are planned, such as the revamping of the power station and the expansion of the network to the entire city.

- 2,87 km of network.
- 43 customers served.
- 770 MWh of heat delivered in 2023.
- 0,27 MWt geothermal heat pump.
- 0,4 MWt engine capacity.
- 0,4 MWe electric power.
- Fuelled by methane + geothermal energy.
- In operation since: 2011.
- 173 t of CO<sub>2</sub>/year averted in 2023.



© photos by Michele Nastasi, project studio delboca&Partners

# ERZELLI



The Erzelli district heating plant has been providing heat and cooling since 2012. To date, it has an overall connected capacity of 4,8 MW for district heating and 5,7 MW for district cooling.

- 2,1 km of network.
- 11,79 GWh of heat and cooling delivered in 2023.
- 1,1 MWt engine capacity.
- 1,1 MWe electric power.
- Powered by natural gas.
- In operation since: 2012.
- 4.275 of CO<sub>2</sub>/year averted in 2023.



# MONDOVÌ



The district heating power plant in Mondovì has been providing heat since 2009. To date, it has a global connected capacity of 45,2 MW.

- 17 km of network.
- 109 customers served.
- 32,71 GWh of heat delivered in 2023.
- 9,7 MWt engine capacity.
- 11,6 MWe electric power.
- 2 x 1,180 m<sup>3</sup> of thermal storage.
- Powered by natural gas.
- In operation since: 2009.
- 10.915 t of CO<sub>2</sub>/year averted in 2023.



# PESCHIERA BORRAMEO

## SAN BOVIO

The district heating power plant in San Bovio has been operating since 2005 and has, to date, an overall connected capacity of 26,4 MW.

- 4 km of network.
- 60 customers served.
- 14,98 GWh of heat delivered in 2023.
- 1,587 MWt engine capacity.
- 1,071 MWe electric power.
- 24,5 MWt thermal capacity.
- In operation since: 2005.
- 3.295 t di CO<sub>2</sub>/anno year averted in 2023.

## MONASTEROLO

The district heating network power plant in Monasterolo has been operating since 2005. To date, it has an overall connected capacity of 27,9 MW.

- 16 km of network.
- 91 customers served.
- 16,25 GWh of heat delivered in 2023.



- 26,8 MWt thermal capacity.
- In operation since: 2005.
- 5.614 t of CO<sub>2</sub>/year averted in 2023.

# VALTELLINA

## TIRANO

The district heating power plant in Tirano has been delivering heat since 2000. To date, it has an overall connected capacity of 61 MW.

- 36 km of network.
- 864 customers served.
- 33,90 GWh of heat delivered in 2023.
- 1,1 MWe electric power.
- 19 MWt boiler power + 6 for emergency.
- 1.110 m<sup>3</sup> of thermal storage.
- Fuelled by wood biomass.
- In operation since: 2000.
- 13.287 t of CO<sub>2</sub>/year averted in 2023.

## SANTA CATERINA VALFURVA

The district heating power plant in Santa Caterina Valfurva has been delivering heat since 2007. To date, it has an overall connected capacity of 14 MW.

- 6 km of network.
- 91 customers served.
- 7,6 GWh of heat delivered in 2023.
- 12 MWt boiler power + 6 for emergency.
- Fuelled by wood biomass.
- In operation since: 2007.
- 2.644 t of CO<sub>2</sub>/year averted in 2023.



**COGENINFRA HEAT**  
VALTELLINA

## SONDALO

The district heating power plant in Sondalo has been delivering heat since 2000. To date, it has an overall connected capacity of 24 MW.

- 18 km of network.
- 400 customers served.
- 11,07 GWh of heat delivered in 2023.
- 10 MWt boiler power + 5 for emergency.
- Fuelled by wood biomass.
- In operation since: 2000.
- 3.901 t of CO<sub>2</sub>/year averted in 2023.

## GROSOTTO

The district heating power plant in Grosotto, being managed since October 2022, has been delivering heat since 2012 and has an overall connected capacity of 1,3 MW.

- 1,1 km of network.
- 7 customers connected.
- 1,03 GWh of heat delivered in 2023.
- 0,8 MWt boiler power.
- Fuelled by wood biomass.
- 355 t of CO<sub>2</sub>/year averted in 2023.

# SAVE THE ENERGY EFFICIENCY DIVISION



# THE CURRENT MARKET

The market Cogeninfra operates in is a fragmented one, where many companies compete to gain leadership.

Cogeninfra is among the major national players in terms of CO<sub>2</sub> savings and green generation capacity with **122 plants** (of these 16 are ESCo plants).

As of today, it is among the top **20 operators** nationwide in the energy efficiency market<sup>1</sup>.

During 2023, the averted CO<sub>2</sub> emissions were **12,55 ktonnes**.

Data as at 31/12/23

<sup>1</sup> in-house marketing analysis



# SERVICES

Cogeninfra Save funds, plans, constructs and operates the plants of their clients.

The customer is guided through a meticulous analysis of his production processes, plants and energy consumption so as to identify the best energy solution for their requirements.

Various services are offered to customers:

## ■ THERMAL RECOVERY

Planning and implementation of heat recovery plants to achieve maximum efficiency in production processes by reclaiming and reusing waste heat generated by industrial processes.

## ■ COGENERATION AND TRIGENERATION

Tailor-made planning, building and management of cogeneration and trigeneration plants to fulfil the energy needs of any company.

## ■ PHOTOVOLTAIC

Planning, building and management of high-quality photovoltaic installations on industrial and commercial roofs.

## ■ O&M

Medium-/long-term contracts for the management and maintenance of industrial plants.

## ■ BIOGAS AND BIOMETHANE PLANTS

Management and building of biomethane and biogas plants.

## ■ MONITORING SYSTEMS

Planning and delivery of data acquisition systems along with thermal and electrical monitoring campaigns.

# WHY CHOOSE COGENINFRA SAVE

**COGENINFRA SAVE** offers several solutions to companies that choose to rely on them for their needs in the energy field:

- **Energy Service Company (ESCO) Formula**
- **Engineering, Procurement and Construction (EPC) Formula**
- **Operation & Maintenance (O&M) Services**
- **Project Financing formula for the Public Administration sector**

**COGENINFRA SAVE** stands beside companies to support them in reducing their energy expenditure, building risks as well as using resources in a more efficient fashion.

It assists businesses in becoming sustainable by securing cost savings that can be used for the development of their business. It finances, plans, builds and manages the installations, ensuring the utmost professionalism along the entire supply chain. Ultimately, it creates value thanks to a wide range of services and tailor-made contractual formulas.

# BENEFITS



Energy savings resulting in lower electricity and heat bills.



Reduced CO<sub>2</sub> emissions into the atmosphere.



Reduced demand for energy from fossil fuels.



Satisfaction of the end consumer who acknowledges the value of green solutions.

# TARGETS



Energy-intensive  
companies



Large Scale  
Retail



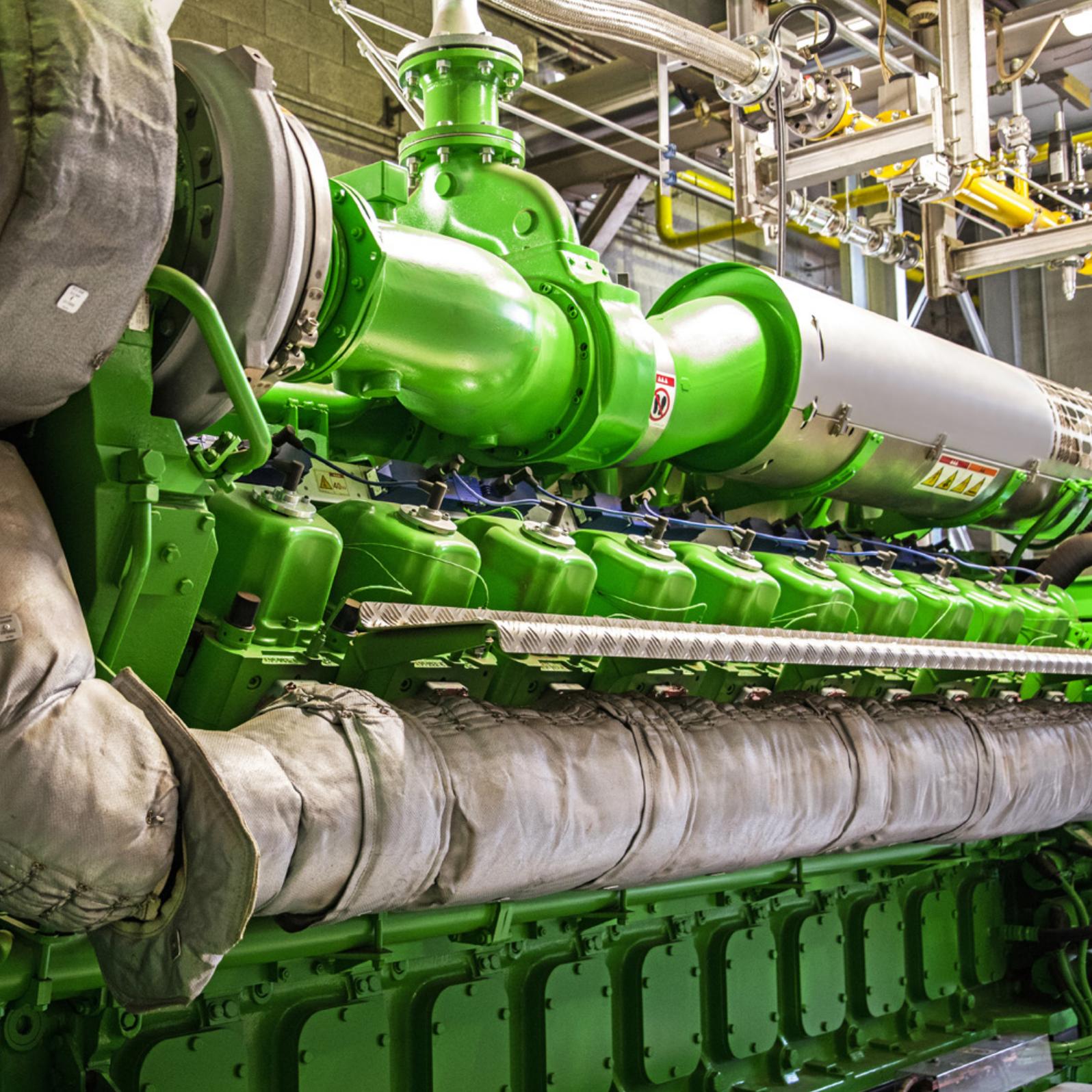
Sports centres



Hotels



Nursing homes



# COGENINFRA SAVE ALEA



**COGENINFRA SAVE ALEA** is the company that specialises in the management of industrial cogeneration plants in the ESCo formula by which it invests directly in system solutions to generate thermal, electrical and cooling energy for industrial sites efficiently. The industrial cogeneration plants being managed range in power from 20 kW to 20 MW.

## CASE HISTORY

Combined cycle plant constructed for Baker Hughes International.

- 7,1 electric MW
- 19,0 thermal MW



# COGENINFRA SAVE REDEN



**COGENINFRA SAVE**  
REDEN

**COGENINFRA SAVE REDEN** is the company that specialises in the energy optimisation of production processes and thermal energy metering. It has been operating in the industrial sector and offers consulting and implementation services for Design & Build, ESCo, EPC and O&M formulas. It is actively engaged in the national and international market.

## CASE HISTORY

Heat recovery system constructed for Acciaierie d'Italia, Novi Ligure site.



# COGENINFRA SAVE SOLAR-X



**COGENINFRA SAVE**  
SOLAR-X

**COGENINFRA SAVE SOLAR-X** is the company that specialises in providing tailor-made solutions for the planning, implementation and management of photovoltaic systems for medium to large companies in the ESCO, EPC and O&M formulas.

## CASE HISTORY

Photovoltaic installation for a commercial client.



# COGENINFRA SAVE ITALMOTORI



**COGENINFRA SAVE**  
ITALMOTORI

**COGENINFRA SAVE ITALMOTORI** is a company that specialises in the construction, maintenance and supply of mechanical and electronic parts in EPC and O&M formulas for industrial engines.

The Arzegrande (PD) and Viterbo workshops are also approved workshops for the servicing, maintenance and diagnosis of both gas and diesel  cogeneration engines.

Following the acquisition of Guascor Energy Italia, the company is the authorized distributor of the brand for the country as well as responsible for the maintenance of Guascor Energy cogeneration plants.

## CASE HISTORY

Servicing and maintenance of a MAN engine.



# COGENINFRA SAVE GEA



**COGENINFRA SAVE**  
GEA

**COGENINFRA SAVE GEA** is the company that specialises in the construction and maintenance of cogeneration plants thanks to technical specialists.

It provides ordinary and extraordinary maintenance in EPC and O&M formulas for engines powered by natural gas and biogas.

## CASE HISTORY

Trigeneration plant in the Santa Maria Goretti Hospital in Latina.



# COGENINFRA SAVE NESOSNET



**COGENINFRA SAVE**  
NESOSNET

**COGENINFRA SAVE NESOSNET** is the company that specialises in energy network management development solutions. It owns the EXACTO platform that handles the monitoring of industrial consumption and Renewable Energy Communities.

It provides digital infrastructures and services for the acquisition of energy data and their valorization, allowing to improve the efficiency and sustainability indices of production processes.

It offers advanced services for supply and demand aggregation projects in the energy sector, to optimize self-consumption, sharing and exchange of energy with the grid.

## CASE HISTORY

Continuous monitoring of energy consumption at the Hotel Dragonara (Chieti).



Hotel Dragonara (Chieti)

# COGENINFRA SAVE LVP - LIGHTING VENICE PORT

COGENINFRA SAVE LVP - LIGHTING VENICE PORT is the company that offers renewable lighting solutions for ports using the Project Financing and O&M formulas. The company, in partnership with the Venice Port Authority, developed the new lighting path in 2015. 345 stainless steel masts were installed on both sides of the Malamocco Channel.

## CASE HISTORY

Innovative signalling system for the Malamocco Channel in Venice.



**COGENINFRA SAVE**  
LVP - LIGHTING VENICE PORT



# COGENINFRA SAVE APP - AGRI POWER PLUS

**COGENINFRA SAVE APP - AGRI POWER PLUS** is the company that specialises in the administration of biogas and biomethane plants in an ESCo formula. From agricultural waste it generates biogas to be used directly in cogeneration engines for the production of renewable energy or biomethane for feeding into the methane distribution network.

## CASE HISTORY

Proprietary biogas plant in Aprilia (LT).



**COGENINFRA SAVE**  
APP - AGRI POWER PLUS

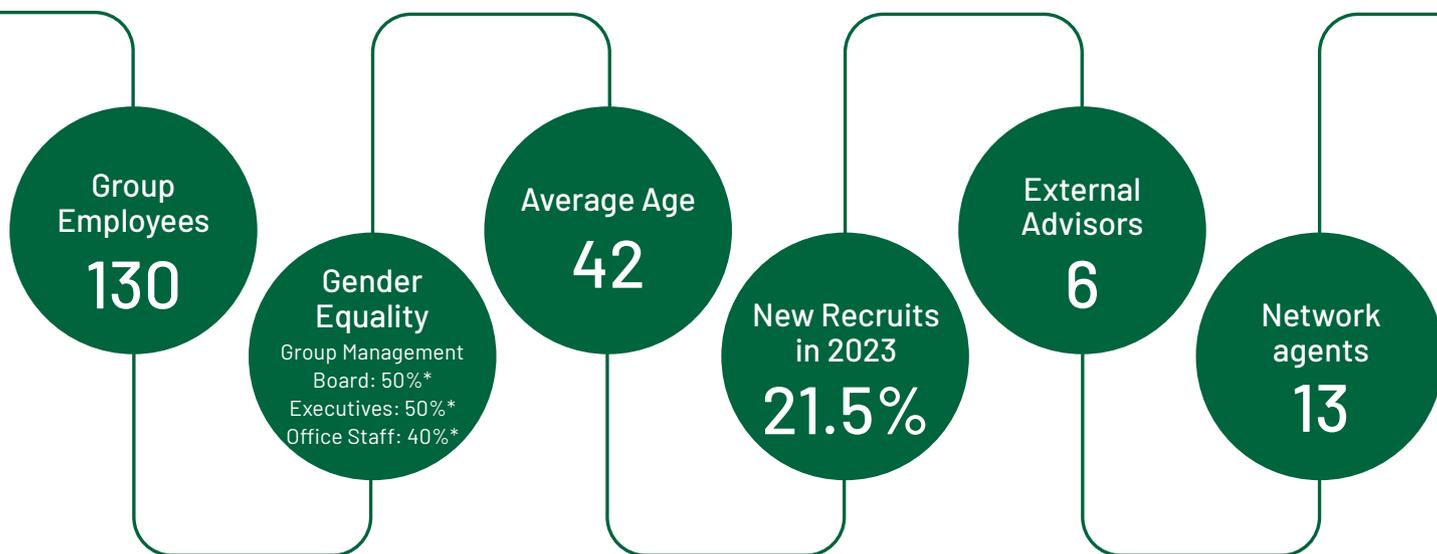




# PEOPLE ARE THE ENERGY



# GROWTH THROUGH PEOPLE



Data reported as at 31/12/23

\* % of women in total for the corresponding roles

# ESG



# ESG TARGETS

## ENVIRONMENTAL

Climate change:

- The Group is converting its district heating plants from fossil sources to wood biomass and geothermal energy in order to increase the 'green' heat contribution to at least 50% by 2030.
- It is developing efficient solutions for heat recovery from high-temperature exhaust fumes.
- It aims to virtuously cut down on waste and water consumption.

## SOCIAL

Social behaviour of society:

- In communities where the Group operates, it advocates initiatives focused on aggregation, inclusion and non-discrimination.
- It is interested in attracting the best talented people by providing high-level training and a meritocratic, inclusive and non-discriminatory environment.
- The working environment aims at cultural diversity as a motivating force for creativity and teamwork.

## GOVERNANCE

Company management:

- The Group nurtures a management and control system directed towards securing adequate transparency in the decision-making process.
- It has achieved a 50% female presence in both the Group Management Board and top management, as well as 40% of office staff.
- It continuously monitors its procurement in order to avoid bribery or corruption, money laundering or people exploitation.

# THEY CHOSE COGENINFRA



Rimadesio



# CONTACTS



**Gruppo**  
**Cogeninfra S.p.A.**

Via Tetti dell'Oleo, 17/25, 10071, Borgaro Torinese (To)  
E-mail: [info@cogeninfra.it](mailto:info@cogeninfra.it)  
P.Iva 11981480012  
Website: [cogeninfra.it](http://cogeninfra.it)



**Assisi**

Plant: Via Padre Ulisse Cascianelli snc,  
Assisi  
E-mail: [info.assisi@cogeninfra.it](mailto:info.assisi@cogeninfra.it)  
Website: [assisi.cogeninfraheat.it](http://assisi.cogeninfraheat.it)



**Borgaro Torinese**

Plant: Via Mappano 6, Borgaro Torinese  
E-mail: [info.borgarotorinese@cogeninfra.it](mailto:info.borgarotorinese@cogeninfra.it)  
Website: [borgarotorinese.cogeninfraheat.it](http://borgarotorinese.cogeninfraheat.it)



**Fidenza**

Infopoint: Via A. Berenini 93, Fidenza  
Plant: Via Togliatti snc Fidenza  
E-mail: [info.fidenza@cogeninfra.it](mailto:info.fidenza@cogeninfra.it)  
Website: [fidenza.cogeninfraheat.it](http://fidenza.cogeninfraheat.it)



**Erzelli**

Plant: Via Melen, 101, Genova  
E-mail: [info.erzelli@cogeninfra.it](mailto:info.erzelli@cogeninfra.it)  
Website: [erzelli.cogeninfraheat.it](http://erzelli.cogeninfraheat.it)



**Mondovi**

Plant: Corso Venezia 9, Mondovi  
E-mail: [info.mondovi@cogeninfra.it](mailto:info.mondovi@cogeninfra.it)  
Website: [mondovi.cogeninfraheat.it](http://mondovi.cogeninfraheat.it)



**Peschiera Borromeo**

Infopoint: Via Carlo Mazzola, 2,  
Peschiera Borromeo  
Plant: San Bovio: Via Trieste s.n.  
Plant: Monasterolo: Via Carducci s.n.  
E-mail: [info.peschieraborromeo@cogeninfra.it](mailto:info.peschieraborromeo@cogeninfra.it)  
Website: [peschieraborromeo.cogeninfraheat.it](http://peschieraborromeo.cogeninfraheat.it)



**Valtellina**

Plant Tirano: Via Polveriera, 50  
Plant: Sondalo: Via san Rocco, 2  
Plant: Santa Caterina Valfurva: Via S.  
Caterina, 41  
Plant: Grosotto: Via Statale snc  
E-mail: [info.valtellina@cogeninfra.it](mailto:info.valtellina@cogeninfra.it)  
Website: [valtellina.cogeninfraheat.it](http://valtellina.cogeninfraheat.it)



#### Alea

Via Duca del Mare 19, Latina  
E-mail: [info.alea@cogeninfra.it](mailto:info.alea@cogeninfra.it)  
Sito: [alea.cogeninfrsave.it](http://alea.cogeninfrsave.it)



#### APP - Agri Power Plus

Via Duca del Mare 19, Latina  
E-mail: [info.app@cogeninfra.it](mailto:info.app@cogeninfra.it)  
Sito: [app.cogeninfrsave.it](http://app.cogeninfrsave.it)



#### Gea

Via Tetti dell'Oleo, 17/25, Borgaro  
Torinese  
E-mail: [info.gea@cogeninfra.it](mailto:info.gea@cogeninfra.it)  
Sito: [gea.cogeninfrsave.it](http://gea.cogeninfrsave.it)



#### Italmotori

Corso Milano 83, Padova  
E-mail: [info.italmotori@cogeninfra.it](mailto:info.italmotori@cogeninfra.it)  
Sito: [italmotori.cogeninfrsave.it](http://italmotori.cogeninfrsave.it)



#### Italmotori Distribuzione

Via Tetti dell'Oleo, 17/25, Borgaro  
Torinese  
E-mail: [info.italmotoridistribuzione@cogeninfra.it](mailto:info.italmotoridistribuzione@cogeninfra.it)  
Sito: [italmotori.cogeninfrsave.it](http://italmotori.cogeninfrsave.it)



#### LVP - Lighting Venice Port

Via Duca del Mare 19, Latina  
E-mail: [info.lvp@cogeninfra.it](mailto:info.lvp@cogeninfra.it)  
Sito: [lvp.cogeninfrsave.it](http://lvp.cogeninfrsave.it)



#### Nesosnet

Via Milano 48, Cagliari  
E-mail: [info.nesosnet@cogeninfra.it](mailto:info.nesosnet@cogeninfra.it)  
Sito: [nesosnet.cogeninfrsave.it](http://nesosnet.cogeninfrsave.it)



#### Reden

Via Tetti dell'Oleo, 17/25, Borgaro  
Torinese  
E-mail: [info.reden@cogeninfra.it](mailto:info.reden@cogeninfra.it)  
Sito: [reden.cogeninfrsave.it](http://reden.cogeninfrsave.it)



#### Solar-X

Via Tetti dell'Oleo, 17/25, Borgaro  
Torinese  
E-mail: [info.solar-x@cogeninfra.it](mailto:info.solar-x@cogeninfra.it)  
Sito: [solar-x.cogeninfrsave.it](http://solar-x.cogeninfrsave.it)

