



## Mission

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Enerblu Cogeneration aims to be a technological “partner” in the energy efficiency market.

We do this by offering our knowledge, experience and continuous investment in research and development.

We are determined to pursue the highest degree of innovation by providing reliable and technologically advanced solutions to ensure that those who rely on Enerblu Cogeneration are more efficient, more competitive and more environmentally friendly.

Customer satisfaction is our daily goal: from pre-sales support to the strive for excellence in after-sales assistance, guaranteeing the best results in terms of efficiency and cost-effectiveness, with particular focus on safeguarding our planet.

## Vision

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With one of the widest ranges on the market and a “consulting” approach, we offer our partners the best possible support, from energy auditing to design, production, commissioning and service, all managed in-house.

In the fields of combined heat and power, biogas and biomethane, Enerblu Cogeneration is one of the market leaders for those who want to improve their competitiveness whilst saving energy and curbing environmental emissions.

## Company values

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 Partnership

 Green

 Innovation

 Reliability

 Collaboration

 Customer Oriented

# BUSSINESS ADVANTAGES

## SERVICES

- Energy audits
- Feasibility studies
- Customised financial and insurance solutions
- Customised production of units and plants  
Customised maintenance contracts
- Presence throughout the whole of Italy and overseas  
of Enerblu service and its distributors
- Spare parts sales
- 24-hour remote supervision

## TECHNICAL INFORMATION

- Pre-sales, design, production and service managed in-house
- Cross-sectoral experience and expertise in the energy efficiency sector
- Twenty years' experience in combined heat and power
- Network of technical and authorisation support partners
- Special expertise for the biogas world with plug&play solutions
- Widest power range on the marke
- Open source unit management software



### Certifications

Iso 9001

CEI 0-16:2019-04 (MV GRID CODE), CEI 0-21:2019-04 (LV GRID CODE),

Other certifications:

2006/42/EC (Machinery Directive), 2014/34/EU (ATEX),  
2014/35/EU (Low Voltage Directive), 2014/68/EU (PED).

# MICRO COGENERATION



Highly efficient small-scale cogeneration with a power range from **6 to 100 kWe**. The unit can be supplied in an open version, in an indoor or outdoor enclosure or in a container. The units can produce electricity and thermal energy simultaneously for both the use of hot water and cold water for air conditioning, through the supply of an absorber and cooling tower in a fully connected trigeneration plant. The units are soundproofed up to 58 dB (A) at 1 metre and can be supplied with catalytic converters to reduce emissions (CO-NOx). A variety of accessories are also available to meet different customer needs, as well as for dealing with high-efficiency cogeneration procedures.

Model	Engine	kWe	kWt	Eff. %
REC_06GI_TYT	Toyota	6	14	93
REC_09GI_TYT	Toyota	9	20	93
REC_15GI_TYT	Toyota	15	34	97
REC_20GI_TYT	Toyota	20	42	95
REC_30G_TYT*	Toyota	30	62	94
REC_40G_TYT*	Toyota	40	84	96
REC_50G_MAN	MAN	50	75	84
REC_70G_MAN	MAN	70	104	85
REC_80G_TDM	Tedom	80	121	80
REC_100G_DSN	Doosan	105	168	85
REC_100G_TDM	Tedom	103	165	83

\*2 parallel units

## References:



Lavorgomma Srl  
Belforto all'Isauro (PU)  
REC2\_40G\_PSI Unit  
Application: Small-Medium Industry



Tradizioni Padane Srl  
Gottolengo (BS)  
REC2\_40G\_PSI Unit  
Application: Dairy

\*Areas of application: residential, tertiary, small-medium industry, agri-food, swimming pools, residential care homes, hotel industry, sports centres

# MEDIUM COGENERATION



Medium-sized high-efficiency cogeneration with a power range from **130 to 500 kWe**. The unit can be supplied in an open version, in an indoor or outdoor enclosure or in a container. The units can produce electricity and thermal energy simultaneously for the use of both hot water, overheated water, diathermic oil, steam, hot air and cold water for air conditioning or refrigeration, through the supply of an absorber and cooling tower in a fully connected trigeneration plant. The units are soundproofed up to 50 dB (A) at 10 metres and can be supplied with catalytic converters and emission control systems (CO-NOx). A variety of accessories are also available to meet different customer needs, as well as for dealing with high-efficiency cogeneration procedures.



Model	Engine	kWe	kWt	Eff. %
REC_120G_TDM	Tedom	120	182	89
REC_140G_MAN	MAN	140	199	87
REC_160G_TDM	Tedom	160	209	85
REC_180G_TDM	Tedom	180	218	85
REC_200G_MAN	MAN	200	245	80
REC_200G_TDM	Tedom	200	241	85
REC_260G_MAN	MAN	260	390	90
REC_350G_MAN	MAN	340	407	84
REC_370G_MAN	MAN	372	475	85
REC_420G_MAN	MAN	425	511	85
REC_480G_MAN	MAN	480	563	85
REC_500G_MAN	MAN	520	651	87

## References:



Brazzale Spa  
Zanè (VI) headquarters  
REC2\_400G\_MAN Unit  
Application: Cheese



Mediclinic Srl  
Pozzonovo headquarters  
REC2\_200G\_MAN Unit  
Application: private clinic

\*Areas of application: tertiary, small and medium industry, manufacturing and processing companies, district heating services

# LARGE-SCALE COGENERATION



Large-sized high-efficiency cogeneration with a power range from **600 to 2700 kWe**. The unit can be supplied in an open version, in an indoor or outdoor enclosure or in a container. The units can produce electricity and thermal energy simultaneously for the use of both hot water, overheated water, diathermic oil, steam, hot air and cold water for air conditioning or refrigeration, through the supply of an absorber and cooling tower in a fully connected trigeneration plant. The units are soundproofed up to 50 dB (A) at 10 metres and can be supplied with catalytic converters and emission control systems (CO-NOx). A variety of accessories are also available to meet different customer needs, as well as for dealing with high-efficiency cogeneration procedures.



Model	Engine	kWe	kWt	Eff. %
REC_600G_JES	Jenbacher	635	730	86
REC_600G_MWM	MWM	600	652	88
REC_800G_MTU	MTU	856	936	89
REC_800G_MWM	MWM	800	860	88
REC_1000G_JES	Jenbacher	1063	1249	87
REC_1000G_MTU	MTU	1013	1084	84
REC_1200_MWM	MWM	1200	1245	87
REC_1300G_MTU	MTU	1287	1357	90
REC_1500G_MWM	MWM	1560	1650	87
REC_1500G_MTU	MTU	1521	1566	90
REC_1700G_MTU	MTU	1716	1858	90
REC_2000G_MTU	MTU	2028	2147	90
REC_2000G_JES	Jenbacher	2000	1997	86
REC_2000G_MWM	MWM	2000	2066	87
REC_2100G_MTU	MTU	2147	2329	90
REC_2300G_MWM	MWM	2300	2186	87
REC_2500G_MTU	MTU	2538	2684	90
REC_2700G_JES	Jenbacher	2679	2499	86

## References:



Laviosa Chimica Mineraria Spa  
Livorno (LI) headquarters  
REC2\_1200G\_MWM Unit  
Application: industrial mining



Curia Italy Srl  
Origgio (VA) headquarters  
REC2\_1200G\_MWM Unit  
Application: pharmaceutical

\*Areas of application: processing industries, large industrial complexes and associations, tertiary, hospitals, plastics processing and packaging companies, dairies, ham and salami factories, pasta factories, the food industry in general, canning industry, chemical industry, pharmaceutical industry, mineral water sector, paper mills, mining industry

# BIOGAS



Biogas cogeneration obtained through anaerobic digestion processes with a power range from **50 to 1000 kW<sub>e</sub>**. The unit can be supplied in an open version, in an indoor or outdoor enclosure or in a container, with the possibility of supplying a dehumidification and blower system in a single skid solution. The biogas that supplies these units can be from different sources: biogas from livestock and animal waste, biogas from wastewater treatment, biogas from landfill with different percentages of CH<sub>4</sub>.

A variety of accessories are also available to meet different customer needs.



Model	Engine	kW <sub>e</sub>	kW <sub>t</sub>	Eff. %
REC_50B_MAN	MAN	50	73	84
REC_60B_MAN	MAN	60	83	79
REC_80B_TDM	Tedom	80	116	82
REC_100B_TDM	Tedom	100	137	85
REC_100B_MAN	MAN	100	144	81
REC_160B_TDM	Tedom	160	214	83
REC_200B_MAN	MAN	200	204	89
REC_250B_MAN	MAN	250	296	87
REC_300B_MAN	MAN	300	344	88
REC_350B_MAN	MAN	350	382	81
REC_400B_MAN	MAN	420	441	81
REC_500B_MAN	MAN	500	503	78
REC_600G_	SR			
REC_800G_	SR			

## References:

Prandini e figli agricultural company  
Lonato del Garda (BS) headquarters  
REC2\_300B\_MAN Unit  
Application: Livestock waste

La Rovere agricultural company  
Roverchiara (VR) headquarters  
REC2\_100B\_TDM Unit  
Application: Livestock waste

Waste water purifier  
Frosinone (FR) headquarters  
REC2\_250B\_DSN Unit  
Application: Waste water purifier

\*Areas of application: Wastewater treatment, livestock waste treatment, OFMSW, landfill treatment

**COMING  
SOON**

**the new range of Enerblu  
cogenerators, up to 100% H2!**

**H  
2**

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