

# Studio Associato di Ingegneria

SZEGO - PIEMONTE - PIATTI - LUNGARNO



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# Studio Associato di Ingegneria

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## GENERAL INFORMATION

"Studio Associato di Ingegneria" was established in 1994 by several engineers with more than 25 year experience as consultant for Industrial Groups and Engineering Companies, in the fields of energy, industrial plants, infrastructures and installations for civil buildings, in Italy and abroad.

"Studio Associato di Ingegneria" can deal with all the phases of a project: feasibility study, cost estimation, design (basic, intermediate, detailed), assistance for procurement, project and construction management, project and cost control, inspections/tests, technical assistance for plant start-up and operation.

"Studio Associato di Ingegneria" can also work in pricing analysis, calculations and estimations, technical specifications, preparation of tender documents, construction supervision, construction safety and environment problems.

## SITE AND ADDRESS

Studio Associato di Ingegneria

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## TURNOVER IN THE LAST YEARS

2009	546.894 Euro
2010	904.854 Euro
2011	331.965 Euro
2012	401.821 Euro
2013	299.263 Euro
2014	389.713 Euro

2015	722.007 Euro
2016	421.030 Euro
2017	250.730 Euro
2018	205.967 Euro
2019	414.001 Euro
2020	370.826 Euro

## ATTACHMENTS

- list partners and office organization
- areas of intervention and type of business
- list of main customers
- professional profile of the Partners
- list of projects and activities carried out (the list also includes projects carried out by the Firm's Partners in collaboration with each other before the year the Firm was established).

# Studio Associato di Ingegneria

SZEGO - PIEMONTE - PIATTI - LUNGARNO

## Studio Associato di Ingegneria - Partners and consultants

NAME	PROFESSIONAL COMMITTEE	ITEM
Carlo Piemonte	Engineers - Brescia	971
Alberto Piatti	Engineers - Varese	1400
Vincenzo Lungarno	Engineers - Milan	17554
Eduardo Szego	Chemical Doctors - Lombardy	2922

## Professional organization

### Specialization / Profession

- Energy plants design, factory facilities, HVAC, mechanical and electrical plants for buildings
- Business consulting and project management
- Informatics area

### Partner / Consultants

Carlo Piemonte  
Alberto Piatti  
Vincenzo Lungarno  
Andrea Masella  
Mauro Piemonte  
Eduardo Szego  
Nicola Piatti

## MARKET SEGMENTS

- POWER STATIONS AND COGENERATION PLANTS
- DISTRICT HEATING AND DISTRICT COOLING
- RENEWABLE ENERGY SYSTEMS:
  - GEOTHERMAL ENERGY (THERMAL APPLICATIONS)
  - BIOMASS
  - ENERGY RECOVERY FROM NATURAL GAS DEPRESSURIZATION
- LARGE HEAT PUMP PLANTS
- BUILDING FACILITIES (HVAC SYSTEMS, HEATING, FIRE FIGHTING, COMPRESSED AIR, ELECTRICAL AND SPECIAL PLANTS) FOR HOSPITALS, COMMERCIAL OR INDUSTRIAL ACTIVITIES, CIVIL BUILDINGS
- DISTRIBUTION NETWORK OF DRINKABLE WATER, SEWAGE, GAS AND OTHER SERVICES

OUR ORGANIZATION HAS DEVELOPED A QUALIFIED KNOW-HOW IN THE PROCESS DESIGN FOR HIGH EFFICIENCY ENERGY PLANTS, WITH THE OPTIMIZATION OF THE CONFIGURATION AND CONTROL, FOR MAXIMIZING ENERGY AND ECONOMIC PERFORMANCE

## CAPABILITIES

- BASIC, INTERMEDIATE AND DETAILED DESIGN
- WORKS DIRECTION
- SAFETY MANAGEMENT (DESIGN AND CONSTRUCTION)
- TECHNICAL AND ADMINISTRATIVE SUPERVISION AND FINAL CERTIFICATION
- FEASIBILITY STUDY, BUSINESS PLAN & CONSULTING
- TECHNICAL SUPERVISION (DESIGN - CONSTRUCTION) OF MAJOR WORKS
- AUDIT AND EVALUATION OF ENERGY SAVING

OUR ORGANIZATION CAN FOLLOW UP THE WHOLE PROJECT, STARTING FROM THE GENERAL OUTLINE UP TO THE START UP OF THE COMMERCIAL OPERATION, INCLUDING ALL THE TESTS AND CERTIFICATIONS

## MAIN CLIENTS - Sheet 1

### Municipal Companies

- A2A Calore e Servizi - Milano
- ACSM - Como
- AGAM - Monza
- AGES (Ex ACOGES) - Pisa
- AGSM - Verona
- AIM - Vicenza
- AIMAG - Mirandola (MO)
- AMAG - Padova
- AMGAS - Bari
- AMGAS - Foggia
- AMSA - Milano
- ASM - Vigevano
- BAS SpA (ora A2A) - Bergamo
- Consiag - Prato
- Meta - Modena

### Others organizations and public companies

- AGIP Petroli
- ALER Bergamo
- ATM - Milano
- CEE - Bruxelles (Belgio)
- CNR
- ComoCalor SpA - Como
- Comune di Lambrugo (CO)
- Comune di Livigno (SO)
- Comune di Manerbio (BS)
- Comune di Nembro (BG)
- Comune di San Benedetto Po (MN)
- Comune di Seriate (BG)
- Comune di Trezzo sull'Adda (MI)
- Comune di Vittuone (MI)
- COSVIG Srl
- ENEA
- ENEL SpA
- IACPM - Milano
- Infrastrutture Lombarde SpA - Milano
- Istituto Poligrafico e Zecca dello Stato
- Ministero delle Infrastrutture e dei Trasporti
- MM SpA - Servizio idrico integrato (MI)
- Nord Energia - Milano
- Osp. di Circolo - Fond. Macchi (VA)
- Ospedale Mellino Mellini - Chiari (BS)
- Ospedali Riuniti di Bergamo
- Politecnico di Milano
- Provincia di Lecco
- Provincia di Sassari
- Regione Campania
- SAT - Società Aeroporti Toscani - Pisa
- Spedali Civili di Brescia
- Università Cattolica Sacro Cuore (BS)
- Università degli Studi di Brescia
- Università degli Studi di Parma
- Varese Risorse SpA - Varese

## MAIN CLIENTS - Sheet 2

### Private Clients

- AG Power - Riva del Garda (TN)
- Associazione EN-A.E.M. - Brescia
- ASTER SpA - Cinisello Balsamo (MI)
- Astrim Srl - Cinisello Balsamo (MI)
- Banca Popolare di Milano
- Barilla - Foggia
- Bergamo Green energy Srl - Bergamo
- Carbotermo SpA - Milano
- Carlo Gavazzi Impianti SpA - Milano
- Cartiere del Garda - Riva del Garda (TN)
- Coca Cola - Nogara (VR)
- Cofely - Milano
- Comodepur - Como
- Condino Energia Srl - Condino (TN)
- Decatron (Kinopolis Group) - Bruxelles
- Degremont - Milano
- ELYO
- FATA EPC - Pianezza (TO)
- Finsibi SpA - Brescia
- Fondaz. Centro S.Raffaele del Monte Tabor
- Fondazione Nocivelli - Verolanuova (BS)
- GDF Group - Cinisello Balsamo (MI)
- GPC IP - Parigi
- IDEX - Boulogne-Billancourt - Parigi
- IML IMPIANTI Srl - Lomagna (LC)
- Investimenti Corte Franca Srl - Brescia
- Istituto Clinico Humanitas - Rozzano (MI)
- KINEXIA SpA - Milano
- Macello di None - None (TO)
- Marco Polo Srl - Brescia
- Mascioni SpA - Cuvio (VA)
- Mediterranea delle Acque
- Milano Depur SpA - Milano
- Mirant Italia Srl - Milano
- Montello SpA - Montello (BG)
- Novareti SpA - Rovereto (TN)
- Olicar SpA - Sesto San Giovanni (MI)
- Ospedale San Raffaele (MI)
- PETRATHERM ESPANA - Madrid
- Progetti Srl - Altavilla Vicentina (VI)
- Progetto MCK Srl - Milano
- Repower Italia SpA - Milano
- Salumificio Goldoni - Modena
- San Pellegrino SpA
- Scala SpA
- SEI SpA - Settimo Torinese (TO)
- Società Elettrica Bresciana - Brescia
- T.C.V.V.V. SpA
- TECHINT SpA - Milano
- Telecom Italia SpA
- Volteo Energie SpA - Milano
- Zerowatt SpA - Alzano Lombardo (BG)

## CURRICULUM VITAE CARLO PIEMONTE

**Born:** 28/05/51 to Milan  
**Nationality:** Italian  
**Residence:** Brescia - Via Calvi, 22  
**Degree:** Mechanical engineer (energy specialization)  
**Eng. Order:** Brescia, n. 971, since 1975  
**Languages:** Italian, English, French

### General Background:

- Project management.
- Feasibility studies.
- Detailed design of power plants: heat and power units, district heating systems, geothermal energy utilization, natural gas turbine expanders, energy recovery systems for industrial applications;
- Detailed design of facilities for industrial and civil buildings: HVAC plants, water and sewage, compressed air, steam plants, fire-fighting, natural gas supply, etc.
- Professor and searcher at the Energy Department of the Polytechnic of Milan from 1974 to 2000 and at University of Brescia since year 2000.
- Consultant of Techint SpA - Milan from 1978 to 2002.
- Energy manager of BAS (Bergamo Ambiente e Servizi) from 1992 to 2005.
- President of the Geothermal Committee of AIRU (Italian District Heating Association) from 1990 to 1994.
- President of UGI (Italian Geothermal Association) from 1994 to 2005.
- Professor in Energy Management for engineers at LIUC (University Carlo Cattaneo) of Castellanza from 1994 to 2002
- Professor at University of Brescia (Civil Engineering Department) from 2002 to 2012.
- Vice-President of European Geothermal Conference (Basel, 1999)
- Member of IGA (International Geothermal Association) Board of Directors from 2001 to 2004
- Weekly training course on geothermal applications at the University of Salto (Uruguay) in 2010

### Present Qualification:

- Senior Partner of SAI (Studio Associato di Ingegneria).

### Qualifications:

- Fire prevention: Registration in the list of professionals in DM 25/03/1985
- Construction site safety: Enabling coordinator for the planning and execution of the work (ex
- Legislative Decree 494/96 now Legislative Decree 81/08)
- Regional Register of Inspectors, n. 3069 from 2001

## CURRICULUM VITAE ALBERTO PIATTI

**Born:** 10/09/58 to Varese  
**Nationality:** Italian  
**Residence:** Varese - Via Mulini Grassi, 5  
**Degree:** Mechanical engineer (energy specialization)  
**Eng. Order:** Varese, n. 1400, since 1985  
**Languages:** Italian, English

### General background

- Detailed design for projects for plants in public concerns, services (particularly: hospital and industrial field).
- Project Engineering for "Turn Key" plants in energy field
- Technical and economical feasibility studies
- Energy saving and renewable and alternative energy sources studies and projects
- Natural gas pipelines and distribution systems, HVAC, cogeneration, geothermal energy utilization, power plants, electric energy recovery from the natural gas depressurization feasibility studies and projects
- Consultant of Techint SpA - Milan from 1985 to 2002.
- Professor at Libero Istituto Universitario Carlo Cattaneo (LIUC) - Castellanza (VA) since 1994, in Thermodynamics and Energy Management

### Present Qualification

- Consultant
- Professor in "Thermodynamics" and "Facility services for industry" courses at LIUC University of Castellanza (VA)
- Partner of SAI (Studio Associato di Ingegneria).

### Qualifications:

- Fire prevention: Registration in the list of professionals in DM 25/03/1985
- Construction site safety: Enabling coordinator for the planning and execution of the work (ex Legislative Decree 494/96 now Legislative Decree 81/08)
- Regional Register of Inspectors, No 3070, for the category technological systems
- Safety at Work: Head of Prevention and Protection
- Structural work: qualified to perform testing under Act 1986 of 1971



**CURRICULUM VITAE  
VINCENZO LUNGARNO**

**Born:** 07/10/61 to Usmate-Velate (MB)

**Nationality:** Italian

**Residence:** Usmate-Velate (MB) - Via Vittorio Emanuele II n. 10

**Degree:** Mechanical engineer (energy specialization) in 1990 at Politecnico - Milan

**Eng. Order:** Milano, n. 17554 since 1994

**Languages:** Italian / French

**General Background**

- Detailed design projects for plants in public concerns, services (particularly: hospital and industrial field).
- Project Engineering for "Turn Key" plants in energy field
- Technical and economical feasibility studies
- Energy saving and renewable and alternative energy sources studies and projects
- Natural gas pipelines and distribution systems, HVAC, cogeneration , geothermal energy utilization, power plants, electric energy recovery from the natural gas depressurization feasibility studies and projects
- Software preparation for energy balances and simulation of the behaviour of energy plants
- Direction of works and accounting of works
- Consultant of Techint SpA - Milan from 1990 to 2002.
- Assistant at Libero Istituto Universitario Carlo Cattaneo (LIUC) - Castellanza since 2001

**Present Qualification**

- Consultant
- Partner of SAI (Studio Associato di Ingegneria).

**Qualifications:**

- Enabling the role of emergency fire service representative (pursuant to Legislative Decree no. April 9, 2008 n. 81 art. 46 and DM 10 March 1998)
- Enabling the role assigned to the first aid company (pursuant to Legislative Decree no. April 9, 2008 n. 81 art. 45 and the DM 388/03)

## CURRICULUM VITAE EDUARDO SZEGO

**Born:** 08/08/34 to Cesena (FO)  
**Nationality:** Italian  
**Residence:** Milan - Via Cardano, 8  
**Degree:** Industrial Chemistry at Bologna University  
**Languages:** Italian/English/French/Spanish

### Esperienze generali

- Technical-economical feasibility studies; project management; company management; new industrial initiatives evaluations, purchase or transfer of Companies.
- Various technical/technological experience : in environmental, energy, chemical, iron metallurgical and mechanical fields.
- Scientific research activities with Universities
- Collaboration with National and International Organizations: ONU, UNIDO, UNDP, CEE, Mondial Bank, ENEL, ENEA, ENI, Ministries and Provinces
- Past member of National Committee of "Energy" of CONFINDUSTRIA on behalf of OICE - Organizzazione delle Società di Ingegneria.

### Present Qualification

- Senior Partner of SAI (Studio Associato di Ingegneria).

### Specific experiences

- EDISON and then in MONTEDISON- Milan (1958-1966) with different assignments
- INDUSFINA - Rome (1966-1969) as Technical Director of the head office in Rome and General Director of SIMI, associated company in Milan
- TECHINT Milan (1969-1985) as Director Research & Development
- BREDA FUCINE, EFIM Group (1986-1993) as Company President
- PONTENOSSA S.p.A. (1994-1998) as Director

**S**tudio **A**ssociato di **I**ngegneria

SZEGO - PIEMONTE - PIATTI - LUNGARNO

# LIST OF PROJECTS

## LIST OF PROJECT

Year	Client - location	Job	Work performed
1975 - 1992	Comune di Nembro (BG) - Italia	Municipal gas network	Detailed engineering and work direction, with assistance to the plant
1976 - 1977	Comune di Quinzano (BS) - Italia	Municipal gas network	Intermediate engineering and work supervision - Operation assistance
1976 - 1978	Comune di Cologno al Serio (BG) - Italia	Municipal water distribution network	Works Direction
1976 - 1978	Comune di Cologno al Serio (BG) - Italia	HVAC plants for schools	Detailed engineering and works direction
1976 - 1976	Comune di Bovezzo (BS) - Italia	Municipal gas network	Detailed engineering and works direction
1976 - 1976	Phildar Italia SpA - Trezzo d'Adda (MI) - Italia	Factory facilities	Detailed engineering and works direction
1979 - 1979	ENEL - UNG Pisa (Italia)	District heating plants in 20 municipalities of Latium	Users investigation
1981 - 1981	CEE - Bruxelles (Belgio)	District heating plants in 32 Sardinian Municipalities	Users investigation
1981 - 1981	ENEL - UNG Pisa (Italia)	District heating system for an area north of Rome	Feasibility study
1982 - 1983	ENEL - UNG Pisa (Italia)	Geothermal district heating system for the Cesano School of Infantry (Rome)	Detailed engineering for heat distribution system
1982 - 1984	Frigodaunia S.p.A. (Gruppo EFIM) - Italia	Factory facilities	Detailed engineering and works direction
1982 - 1982	AMAG - Padova (Italia)	District heating system for the town of Padua	Feasibility study
1982 - 1982	C.E.E. - Bruxelles - Belgio	Handbook about thermal demand investigation for greenhouses (for National Energy Council of Athens)	Handbook execution
1982 - 1982	CEE - Bruxelles (Belgio)	Geothermal district heating system for the town of Serres, Greece	Technical supervision for feasibility study
1982 - 1982	CEE - Bruxelles (Belgio)	Investigation of heating demand over the whole Po Valley	Market analysis
1982 - 1982	CISE - Milano (Italia)	8 km feeder for district heating of Mestre and Marghera towns	Basic engineering and detailed engineering
1982 - 1982	ENEL - Roma - Italia	Utilization of geothermal energy in several industrial processes	Feasibility study
1982 - 1982	Lombardia Risorse SpA - Milano - Italia	District heating system for the east area of Milan (1.700 MW), fed by a cogeneration station	Feasibility study and Basic engineering
1982 - 1982	Lombardia Risorse SpA - Milano - Italia	Cogeneration and district heating systems for several towns in Lombardy	Feasibility study
1983 - 1984	AMAG - Padova AGIP - S. Donato Milanese (Italia)	Geothermal district heating system for the town of Padua, integrated with a natural gas turbo-expander	Feasibility study
1983 - 1984	CEE - Bruxelles (Belgio)	District heating system with utilization of domestic lignite for the town of Serres, Greece	Feasibility study
1983 - 1987	CNR - Progetto Finalizzato Energetica 2 (Italia)	Computer program for the optimization of district heating systems	Detailed engineering
1983 - 1987	CNR - Progetto Finalizzato Energetica 2 (Italia)	Map of Italian towns suitable for district heating systems	Theoretical study
1983 - 1987	CNR - Progetto Finalizzato Energetica 2 (Italia)	Operation optimization of district heating systems	General study
1984 - 1985	AMAG - Padova (Italia)	Natural gas stocking system and feeder with depressurization stations	Feasibility study and Detailed engineering
1984 - 1985	A.M.A.G. - Padova - Italia	Depressurization stations, gas feeder and gas storage for Padua gas distribution network	Detailed engineering
1984 - 1984	A.M.A.G. - Padova - Italia	Natural gas turbine expander (2 MW)	Feasibility study
1984 - 1984	CEE - Bruxelles (Belgio)	Geothermal district heating systems in three Municipalities of Po Valley	Feasibility study
1985 - 1986	A.G.I.P. - S. Donato Milanese - Italia	Handbook about thermal energy utilization for applications in Tunisia	Handbook execution
1985 - 1986	A.M.N.U. - Parma - Italia	Instrumentation and remote control system for 8 water systems	Detailed engineering
1985 - 1985	A.S.M. - Pavia - Italia	Natural gas turbine expander (800 kW)	Feasibility study
1985 - 1985	AGIP - S. Donato Milanese (Italia)	Geothermal district heating for S. Felice	Feasibility study
1985 - 1991	IOS SpA - Malgesso (VA) VIBRAM SpA - Albizzate (VA) Tintoria T.F.S. - Gallarate (VA) Tintoria C.T.S. - Lonate C. (VA) Energoproject - Cocquio T. (VA) Loro&Parisini SpA - Assago (MI) Goglio SpA - Daverio (VA) Acciaieria di Crema - Crema (CR) Tintoria Colorama - Cavaria (VA)	Energy saving plants financing by Regione Lombardia in several industries	Functional operational test on behalf of Regione Lombardia

## LIST OF PROJECT

Year	Client - location	Job	Work performed
1986 - 1987	Aem Milano (Italia)	District heating system for the west area of Milan (400 MW), fed by a cogeneration station	Feasibility study and Basic engineering
1986 - 1986	A.G.I.P. - S. Donato Milanese - Italia	Geothermal district heating system	Feasibility study by parametric analysis
1986 - 1986	CEE - Bruxelles (Belgio)	Official handbook for the design of geothermal district heating systems	Theoretical study
1986 - 1987	Comune di Manerbio (BS) - Italia	Mechanical plants for the municipal building (municipal administration, theatre, library)	Detailed engineering and works direction
1986 - 1986	ENEL - UNG Pisa (Italia)	Geothermal district heating system for an area north of Viterbo (Latina), fed by a cogeneration station with heat pumps	Thermal users investigation and feasibility study
1986 - 1987	MASCONI S.p.A. Cuvio (Italia)	Energy saving and environmental conditions improvement in the factory	Feasibility study and Basic engineering
1987 - 1990	Salumificio Chiesa - Finale Ligure (SV) Ofmega S.p.A. - Sarezzo (BS) SAM - Salumificio Meridionale S.p.A. - Nusco (AV) Salumificio Maletti - Casinalbo (MO) Salumificio Veroni - S. Martino in Rio (RE)	Factory facilities	Detailed engineering and works direction
1987 - 1995	Università degli Studi - Brescia - Italia	New headquarter (San Faustino complex)	Detailed engineering and works supervision of mechanical and electric plants
1987 - 1987	AMAG - Padova (Italia)	Natural gas turbine expander (2,200 kW) for the Corrado depressurization station	Engineering supervision
1988 - 1990	CNR - Progetto Finalizzato Energetica 2 (Italia)	District heating systems fed by steam or gas turbine cogeneration system	Feasibility study by parametric analysis
1988 - 1999	Comune di Vittuone (MI) - Italia	New municipal headquarter, with theatre	Detailed engineering and work direction of mechanical plants
1988 - 1989	CONSIAG Prato (Italia)	EEC demonstration project for a plant for electrical energy recovery from natural gas depressurization (1,2 MW), integrated with one heat and power engine (1,2 MW)	Feasibility study and Basic engineering for the tender documents
1988 - 1988	ENEA - Roma (Italia)	Natural gas expander (1 MW) for Binelunghe depressurization station in Verona	Feasibility study and preparation of tender documents
1988 - 1988	ENEA - Roma ASM - Brescia AGSM - Verona (Italia)	Turbine expander of natural gas for Mincio Power Station	Feasibility study and preparation of tender documents
1988 - 1990	ENEA - Roma - Italia	Investigation of possible applications of energy recovery systems from natural gas depressurization in the north of Italy	Feasibility study for 50 applications
1988 - 1991	Regione Campania Napoli (Italia)	Utilization of geothermal sources in the Phlaegrean area and in Ischia island	General plan
1989 - 1990	Comune di Nembro (BG) - Italia	Natural gas network cathodic protection	Detailed engineering and works direction
1989 - 1990	Comune di Seriate (BG) - Italia	Natural gas network cathodic protection	Detailed engineering and works direction
1989 - 1990	Comune di Seriate (BG) - Italia	Natural gas network repowering	Detailed engineering
1989 - 1990	ENEA - Roma - Italia	Study for the energy recovery from natural gas depressurization	General study
1989 - 1992	Lombardia Risorse SpA - Milano - Italia	Natural gas turbine expander (1,2 MW) for ACOSER - Bologna	Feasibility study, Basic engineering and Detailed engineering
1990 - 1993	Salumif. Guardamiglio - Guardamiglio (MI) Salumificio Portalupi - Guardaboscone (VC) Salumificio Carnitalia - Ospedaletto Lod. (MI) Salumificio Rugger - Santena (TO)	Factory facilities	Detailed engineering and works direction
1990 - 1992	Macello di None - Torino (Italia)	New factory with cogeneration plant (1 MW)	Detailed engineering of cogeneration plant and factory facilities
1990 - 1992	Salumificio Goldoni - Modena (Italia)	New factory with cogeneration plant (1 MW)	Detailed engineering of cogeneration plant and factory facilities
1991 - 1992	Lombardia Risorse SpA - Milano - Italia	Optimization of the energy utilization for air conditioning in Lombardy (study requested by EEC Brussels)	General study

## LIST OF PROJECT

Year	Client - location	Job	Work performed
1991 - 1992	Università degli Studi - Brescia - Italia	Headquarter of Economics Atheneum (Santa Chiara complex)	Detailed desing of the building plants
1991 - 1993	AMAC - Bergamo - Italia	Natural gas piston expander and cogeneration system (3 MW) for Zanica depressurization station in Bergamo	Feasibility study, funding application, Basic engineering (tender documents) and works supervision
1991 - 1996	ACOGES - Pisa (Italia)	Natural gas piston expander (565 kW) for the Santa Croce depressurization station	Basic engineering for the whole plant and supervision to the supply of expander and generator
1991 - 1992	AMAG - Padova (Italia)	Heat and power plant in connection with the existing gas turbine expander (2 MW)	Feasibility study and preparation of tender documents
1991 - 1992	AMAG - Padova (Italia)	Natural gas piston expander (400 kW) for energy recovery from gas depressurization	Feasibility study and preparation of tender documents
1991 - 1991	Aprica Studi - Brescia - Italia	District heating systems feeding industrial processes	Feasibility study by parametric analysis
1991 - 1994	ASM - Brescia AGSM - Verona (Italia)	Natural gas turbine expander (5,000 kW) for Ponti sul Mincio Power Station	Project engineer of the turn-key construction
1991 - 1992	ENEL - Pisa (Italia)	Utilization of geothermal sources in the municipalities of Bacoli and Pozzuoli near Naples	Feasibility study and users investigation
1991 - 1991	Lombardia Risorse SpA - Milano - Italia	District heating systems feeding industrial processes	General study
1992 - 1992	Comune di Lambrugo (CO) - Italia	Drainage and water networks	Basic engineering
1992 - 1992	Istituto Clinico Humanitas Rozzano (Italia)	Heat and power plant (2 MW)	Feasibility study and Basic engineering
1992 - 1992	KLUWER ACADEMICS - Dordrecht (NL) (per conto CEE)	Editing of the book "Planning of Geothermal District heating systems"	Author
1993 - 1994	Zerowatt SpA - Alzano Lombardo (BG) - Italia	Natural gas supply system for the factory	Detailed engineering and works direction
1993 - 1994	Comune di Lambrugo (CO) - Italia	First extract drainage network	Detailed engineering and works direction, with assitance to the plant
1993 - 1993	Comune di Manerbio (BS) - Italia	New municipal offices near Palazzo Luzzago	Detailed engineering of mechanical plants
1993 - 1998	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	Geothermal plant with absorpion heat pump (1 MW) for ISMES -Seriate	Basic engineering, feasibility study and funding applications
1994 - 1997	Comune di Lambrugo (CO) - Italia	Second extract drainage network	Detailed engineering and works direction, with assitance to the plant
1994 - 2003	Spedali Civili - Brescia (Italia)	Avancorpo del Satellite extension (several hospital deparments)	Detailed engineering and works supervision of HVAC, mechanical and electric plants
1994 - 1995	Spedali Civili - Brescia (Italia)	Offices headquarter enlargement	Detailed engineering and works supervision of HVAC, mechanical and electric plants
1994 - 1995	Associazione EN.A.E.M. (Spedali Civili - A.S.M.) - Brescia - Italia	Multipurpose building (bank - hospital - underground car parking)	Detailed engineering of HVAC, mechanical and electric plants
1994 - 1995	I.A.C.P.M. - Milano - Italia	Calvaire district renovating	Detailed engineering of building plants
1994 - 1994	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	Natural gas expansion plant (1.300 kW) integrated with two heat and power engines (1.500 kW) for the Zanica depressurization station	Project engineer of the turn-key construction
1995 - 1998	Comune di Lambrugo (CO) - Italia	Third extract drainage network and first extract water network	Detailed engineering and works direction, with assitance to the plant
1995 - 1995	Spedali Civili - Brescia (Italia)	Pathologic Anatomy Department enlargement	Basic engineering of renovating - Detailed engineering and work supervision of HVAC plant for laboratories
1995 - 1996	A.S.M. - Brescia - Italia	Bus parking - mechanical plants	Detailed engineering
1995 - 1997	Banca Popolare di Milano - Tesoreria di Vittuone (MI)	HVAC plants	Detailed engineering
1995 - 1996	ENEL S.p.A. - Pisa - Italia	Geothermal district heating system (14 MW) for Vicenza town	General study for repowering and operation optimization
1996 - 1997	Marco Polo s.r.l. - Brescia - Italia	Marco Polo commercial centre (12.000 m2 commercial area, 5-floor office buildings and 500 places car parking)	Detailed engineering and works supervision of mechanical plants
1996 - 1996	ENEL - Pisa (Italia)	Geothermal heating (8 MW) for CNR S. Cataldo research centre in Pisa	Basic engineering and funding applications
1996 - 1999	Comune di Lambrugo (CO) - Italia	Quarter extract drainage network	Detailed engineering and works direction, with assitance to the plant
1996 - 1997	Comune di Gorgonzola (MI) - Italia	Municipal cemetery enlargement	Detailed engineering and works supervision of mechanical and electric plants

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Year	Client - location	Job	Work performed
1996 - 1999	Spedali Civili - Brescia (Italia)	Reparto Degenze Protette of DMI renovating	Detailed engineering and works supervision of HVAC, mechanical and electric plants
1996 - 1997	Investimenti Corte Franca s.r.l. - Brescia - Italia	HVAC plant refurbishment for Palazzo Pisa, in Brescia	Detailed engineering and works direction
1996 - 1997	ENEL - Pisa (Italia)	Geothermal district heating system for the municipalities of S.Fiora (11 MW), Piancastagnaio (9 MW) and Abbadia S.Salvatore (12 MW) in the Amiata Region	Feasibility study and Basic engineering
1996 - 1997	S.Pellegrino S.p.A. - S.Pellegrino (BG) - Italia	HVAC plants for factories (San Pelelgrino, Flavourint, Levissima)	Technical consultancy and detailed desing of several plants
1996 - 1998	Amm.ne Provinciale - Lecco Villa Monastero - Varenna	Ancient building renovating	Detailed engineering and works supervision of HVAC plant with two
1997 - 2002	Comune di Lambrugo (CO) - Italia	Crossing railway of drainage and water networks	Detailed engineering and works direction, with assitance to the plant
1997 - 1997	Johnson Controls IFM -Milano - Italia	Heat and power plant (4 MW) for Policlinico II of Naples	Feasibility study and Basic engineering
1997 - 1998	AGES - Pisa (Italia)	Heat and power plant (4 MW) and geothermal district heating systems for CNR Centre of S. Cataldo (Pisa)	Feasibility study and Basic engineering
1997 - 1997	Spedali Civili - Brescia (Italia)	Heat and power plant (2 MW)	Feasibility study and Basic engineering
1997 - 1997	Spedali Civili - Brescia (Italia)	District cooling network (3.000 kW) for the hospital	Basic engineering and works direction
1997 - 1997	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	District heating system for municipal buildings (5 MW), with cogeneration	Feasibility study and Basic engineering
1997 - 1999	Spedali Civili - Brescia (Italia)	New entrance hall	Detailed engineering and works supervision of mechanical and electric plants
1997 - 1997	Spedali Civili - Brescia (Italia)	Cooling station (1.000 kW) and relevant district cooling network for the hospital	Detailed engineering and works supervision
1997 - 1999	Università degli Studi - Brescia - Italia	Ancient building renovating (Palazzo Calini) for the Law Department	Detailed engineering and works supervision of HVAC, mechanical and electric plants
1997 - 2000	AGIP Petroli - Roma (Italia)	Installation of a 25 MW turbine expander for electricity production in Priolo refinery (Sicily)	Feasibility study and Basic engineering
1997 - 1997	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	Natural gas expansion plant integrated with two heat and power engines	Monitoring software for system performances
1998 - 1999	Spedali Civili - Brescia (Italia)	New helyport	Detailed engineering and works supervision of mechanical and electric plants
1998 - 2001	Università degli Studi - Brescia - Italia	Ancient building renovating (Palazzo Bettoni) for the Brescia University Administration Department	Detailed engineering and works supervision of HVAC, mechanical and electric plants
1998 - 2000	Carlo Gavazzi Impianti S.p.A. - Marcallo (MI) - Italia	Natural gas expansion plant with cogeneration in Foggia (1.800 kW)	Detailed engineering and works supervision
1998 - 2000	AMGAS Foggia (Italia)	Natural gas expansion plant (1.800 kW)	Supervision of the supply of a natural gas expander by Techint
1998 - 1998	ENEL - Pisa (Italia)	Turbine expander (4 MW) for energy recovery from non condensable gases depressurization in the Latera geothermal power station	Funding applications and detailed engineering
1998 - 1999	Università Cattolica del Sacro Cuore - Brescia - Italia	Ancient building renovating (Monastero del Buon Pastore) for the Phisics Department	Detailed engineering and works supervision of HVAC, mechanical and electric plants
1998 - 2002	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	District heating system (5 MW) for municipal buildings, with possible cogeneration	Detailed engineering and works supervision
1998 - 1998	AGAM Monza (Italia)	District heating system (15 MW) with heat pumps in Monza	Feasibility study
1998 - 1999	AMGAS Foggia (Italia)	Cogeneration plant (800 kW) for Foggia Hospital	Feasibility study and Basic engineering
1999 - 2000	Fondazione Nocivelli - Brescia - Italia	New laboratories for Molecular Medicine in Brescia Hospital	Detailed engineering of HVAC and mechanical plants
1999 - 1999	SCALA SpA (Italia)	Energy survey of Cassino paper Factory	Energy survey
1999 - 1999	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	District heating system (50 MW) for an area West of Bergamo, with heat recovery from waste incineration e use of a heat pump for the utilization of the heat released by the condenser	Basic engineering
1999 - 1999	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	District heating system by steam mechanical repressurization (12 MW) for Bergamo	Basic engineering
2000 - 2000	Ospedale Mellino Mellini - Chiari (BS) - Italia	Hospital enlargement with several departments	Detailed engineering of HVAC, mechanical and electric plants

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Year	Client - location	Job	Work performed
2000 - 2001	Decatron - Bruxelles (Kinopolis Group)	New cinema Multiplex with 14 theatres and 3.000 seats in Pioltello (Milan)	Detailed engineering and works supervision of HVAC, mechanical and electric plants
2000 - 2000	Università degli Studi - Brescia - Italia	Medicine Faculty	Functional operational test of electrical plants
2000 - 2000	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	Gas and Water supply to new districts	Safety Manager of the engineering
2000 - 2001	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	Electrical and instrumentation plants for the wastes combustion with energy recovery (11 MW steam turbine)	Detailed engineering
2000 - 2000	Casa della Divina Provvidenza - Foggia	Cogeneration system (500 kW) and district heating plant (2 MW) for the Hospital	Feasibility Study and Basic engineering
2001 - 2001	Società Elettrica Bresciana - Brescia	Cogeneration 400 MW gas turbine + steam turbine power station in Calvisano (BS)	Basic engineering
2001 - 2002	T.C.V.V.V. S.p.A.	District heating plant fed with biomass for the Municipalities of Tirano (15 MW) and Sondalo (6 MW)	Functional operational test of plants
2001 - 2001	Istituto Clinico Humanitas Rozzano (Italia)	Energy system (cogeneration, heat pump, HVAC, lighting)	Development proposal and feasibility study
2001 - 2002	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	Planning of the district heating of the town of Bergamo	General planning
2001 - 2002	ASTER S.p.A.	50 MW heat and power cogeneration plant with gas turbine/steam turbine for 1° Macrolotto of Prato	Basic engineering
2001 - 2003	ASTER S.p.A.	Policlinico San Donato - Upsizing	Engineering for offer preparation
2001 - 2001	TECHINT S.p.A.	Turbine expander plant (1 MW) for the San Severo (FG) Power Station	Feasibility study
2001 - 2002	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	5 MW District Heating system for public users in Bergamo	Works Direction and Safety Manager of the Construction
2001 - 2002	Istituto Clinico Humanitas Rozzano (Italia)	Hospital enlargement with new First Aid Department	Detailed engineering of HVAC and mechanical plants
2002 - 2002	A.L.E.R. - Bergamo	Thermal station (980 kW) and primary distribution of heat in Bergamo	Detailed engineering of mechanical plants
2002 - 2002	Astrim Srl	Università degli Studi di Milano - Building refurbishment of via Rugabella 4 - Milan	Intermediate design of HVAC and mechanical plants
2003 - 2003	Progetto MCK Srl - Milano	"Sample Hospital" project, within the mainframe of the Research Plan on behalf of Agenzia dei Servizi Sanitari Regionali	Plants project preparation
2003 - 2006	BAS S.p.A. - Bergamo Ambiente e Servizi - Bergamo - Italia	District heating plant for the ex-Magrini area in Bergamo with heat pump (3 MW) and cogeneration gas motor (2 MW)	Intermediate design and works supervision of mechanical plants
2003 - 2003	Società Elettrica Bresciana - Brescia	District heating system (11,4 MWt) in Malpaga and Viadana from Calvisano (BS) fed by a 400 MWe gas turbine + steam turbine Power Station	Feasibility study
2003 - 2003	Mirant - Milano	District heating system (11 MW) in Altedo (BO) fed by a 400 MWe gas turbine + steam turbine Power Station	Feasibility study
2003 - 2003	Comocalor S.p.A. - Como	New 8 MW cogeneration system and network extension for the Como district heating system	Intermediate design and Safety Manager of the engineering
2003 - 2004	Varese Risorse - Varese	Thermal (30 MW), refrigerating (10 MW) and cogeneration (1 MW) plant for Varese Hospital	Feasibility study
2003 - 2003	TECHINT S.p.A.	Valduce Como Hospital	Thermocooling Station feasibility study for enlargement
2003 - 2004	ASTER S.p.A.	7 MWe gas turbine cogeneration plant for Barilla factory in Foggia	Detailed engineering and works supervision
2004 - 2005	ASTER S.p.A.	8 MW combined cycle cogeneration plant for Ahlstrom paper mill factory in Mathi (near Turin)	Basic engineering
2004 - 2004	Comune di Livigno	District heating system with cogeneration units and heat pump	Feasibility study and Basic engineering
2004 - 2004	Meta Modena	4,5 MW turbine expander plant for the energy recovery from natural gas depressurization with cogeneration machine	Detailed engineering and Safety Manager of the engineering
2004 - 2005	ACSM Como	New energy recovery plant (Heat pump for district heating and natural gas expander with cogeneration)	Feasibility studies
2004 - 2005	Università degli Studi - Brescia - Italia	Medicine and Surgery Faculty - Sport Building	Detailed engineering of HVAC and mechanical plants
2004 - 2004	COSVIG Srl (Consorzio per lo Sviluppo delle aree Geotermiche)	General Plan for the geothermal development in Tuscany Region	Thermal demand investigation



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Year	Client - location	Job	Work performed
2004 - 2005	ASM Brescia - INNSE Berardi	Technical appraisal in lawsuit for damages consequent to a failure in a district heating substation	Technical Consultant appointed by the Court
2005 - 2005	ASTER S.p.A.	1000 kWe cogeneration plant for the Montepulciano hospital (near Siena)	Basic engineering
2005 - 2006	Varese Risorse - Varese	Thermal (30 MW), refrigerating (10 MW) and cogeneration (1 MW) plant for Varese Hospital	Intermediate design and Safety Manager of the engineering
2005 - 2005	Fata EPC - Torino	20 MWe cogeneration plant for Michelin - Turin	Basic engineering
2005 - 2005	Fata EPC - Torino	105 MWe combined cycle power plant for ICL Mondovi (Cuneo)	Basic engineering
2005 - 2005	Fata EPC - Torino	170 MWt heat production station for the district heating system of Settimo Torinese (Turin)	Design supervision
2005 - 2005	Fondazione Centro San Raffaele del Monte Tabor	San Raffaele Hospital - Milano - Trigeration plant (20 MW electrical power, 60 MW thermal power, 40 MW refrigerating power)	Feasibility study and Basic engineering
2005 - 2014	Ospedali Riuniti di Bergamo	Construction of the new hospital for the town of Bergamo	Member of the technical and administrative inspection and
2005 - 2006	Istituto Poligrafico e Zecca dello Stato	New diathermic oil boiler plant for the Foggia factory	Detailed engineering
2005 - 2005	Mondoenergia Mondovi	45 MWt district heating plant for the municipality of Mondovi (Cuneo) with 15 MWe cogeneration	Feasibility study
2005 - 2006	ATM - Milano	60 MWe combined cycle power station	Feasibility study and Basic engineering
2005 - 2007	Fata EPC - Torino	35 MWe combined cycle power plant for Antibioticos - Settimo Torinese (near Turin)	Basic engineering
2006 - 2006	TK Ingegneria - Milano	Swimming-pool for the municipality of Marciana Marina (LI)	Intermediate design
2006 - 2007	Fondazione Centro San Raffaele del Monte Tabor	10 MWe trigeneration plant with piston engines fed with vegetable oil for Olbia Hospital	Basic engineering and authorization applications
2006 - 2007	Varese Risorse - Varese	Repowering of the new boiler plant for the district heating system for the town of Varese	Detailed engineering
2006 - 2007	Varese Risorse - Varese	Temporary plants for supplying thermal and cooling power to the new Hospital in Varese	Detailed engineering
2006 - 2009	Fondazione Centro San Raffaele del Monte Tabor	Installations for the provisional supply of heat and power to Dibi2 Building of San Raffaele Hospital	Detailed engineering and Works Direction
2006 - 2006	AG Power - Riva del Garda (Cartiere del Garda e AGS)	50 MWe combined cycle power plant for Cartiere del Garda and for the district heating system of the municipality of Riva del Garda	Feasibility study and Intermediate design
2006 - 2007	Alto Garda Servizi SpA	District heating system in Riva del Garda (TN)	Detailed engineering
2006 - 2011	Infrastrutture Lombarde SpA Milano	New Complex for Lombardy region (39-floor skyscraper and surrounding buildings) - HVAC plants	Supervisin of engineering and Works Direction
2006 - 2007	PratoNevoso Termoenergy Frabosa Sottana (CN)	District heating system in Prato Nevoso (CN)	Detailed engineering
2006 - 2006	Comocalor S.p.A. - Como	Repowering of the production station of the district heating system of Como with a 4 MWe cogenerative reciprocating engine	Intermediate design
2007 - 2007	Varese Risorse - Varese	Noise reduction systems for the cooling station of Varese Hospital	Detailed engineering
2007 - 2010	Infrastrutture Lombarde SpA Milano	Construction of the new hospital for the town of Vimercate	Member of the technical and administrative inspection commission
2007 - 2008	PROGENI S.p.A.	trigeration plant for Niguarda Hospital (Milan) with 4 piston engines by 4 MWe each	Basic and Intermediate design
2007 - 2011	Varese Risorse - Varese	Cogeneration, heating and refrigerating production plant (1 MWe, 30 MWt, 10 MWf) for Ospedale di Circolo - Varese	Works Direction and Safety Manager of the Construction
2007 - 2007	Sadelmi S.p.A.	Calabria University - 4 MWe trigeneration plant with piston engines fed with vegetable oil	Engineering for offer preparation
2007 - 2007	Agrienergia San Benedetto Po Srl Mantova	Biomass plant (7 MWe) with oil production, vegetable oil engine, piro-gassification of vegetable waste and energy recovery from synt-gas	Basic engineering and authorization applications
2007 - 2010	Comune San Benedetto Po (MN)	District heating network (13 MWt) for the municipality fed by a biomass plant	Basic engineering and funding application
2007 - 2008	Comune di Lambrugo (CO) - Italia	Upgrade of the municipal sewage in Via Volta - Corte Grande	Detailed engineering and works direction
2007 - 2007	Blu Energy Milano	Trigeration plant for S.Raffaele Hospital (Milan) - 20 MWe - 60 MWt - 40 MWf	Detailed design
2007 - 2007	Fondazione Centro San Raffaele del Monte Tabor	District heating and cooling networks, interconnecting the substations of several buildings of San Raffaele Hospital in Milan	Detailed design
2008 - 2008	Varese Risorse - Varese	Installation of DeNOx system with heat recovery for gas turbine	Detailed engineering and Works Direction

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Year	Client - location	Job	Work performed
2008 - 2009	Ricerca e Sviluppo Bioenergie Srl Casalmaggiore (CR)	Biomass plant (1.150 kWe) with piro-gassification of vegetable waste and cogenerator engine in Casalmaggiore (CR)	Basic engineering
2008 - 2009	Provincia di Sassari	15 MWt geothermal district heating system (fed by the Casteldoria source) for three Municipalities in Sardinia	Feasibility study, Basic engineering and tender document
2008 - 2008	SECOSVIM - Colleferro (RM) (per conto di SINIM Torino)	43 MWe combined cycle power plant of Colleferro (RM)	Feasibility study
2008 - 2008	Progetto Nuovo Sant'Anna Srl	Trigeneration plant (4.000 kWe) for Sant'Anna new hospital of Como	Basic engineering
2008 - 2009	ARPA Lombardia	New department of the Lombardy Agency for Environment Protection in Milan	Intermediate design of energy plants
2008 - 2008	AIMAG SpA - Mirandola (MO)	Geothermal district heating (16 MWt) for Mirandola Municipality (MO)	Feasibility study and Basic engineering
2008 - 2009	PROG.ESTE. SpA	1.200 kWe cogeneration plant for new hospital in Cona (FE)	Preliminary and Intermediate design
2008 - 2008	CONDINO ENERGIA Srl Condino (TN)	Combined cycle power plant (12 MWe) of Condino Paper Mill (TN)	Energy optimization plant
2008 - 2009	GPC IP - Parigi	Heat pump project (25 MWt) for the Boulogne-Billancourt district heating and district cooling system in Paris	Basic engineering
2009 - 2011	Istituto Poligrafico e Zecca dello Stato	New diathermic oil boiler plant (20 MWt) for the Foggia factory	Project manager and Works Direction
2009 - 2009	Petratherm Espana	35 MWt geothermal district heating for the north area of Madrid Municipality	Feasibility study and Basic engineering
2009 - 2009	Contour Global	9 MWe four-generation plant for Coca-Cola factory in Nogara (VR)	Detailed engineering of mechanical plants
2009 - 2009	Degrémont - Milano	8 MWe cogeneration plant with heat pump for city depuration plant (San Rocco - Milan)	Feasibility study and Basic engineering
2009 - 2010	Miro Radici Energia Dalmine (BG)	18,5 MWe power station fed with vegetable oil in Vigevano (PV)	Basic and Detailed engineering
2009 - 2009	Azienda Ospedaliera Ospedale di Circolo Fondazione Macchi - Varese	Refurbishing of the drinkable water supply station for the hospital	Detailed engineering
2009 - 2009	Milano Depur SpA	4 MWe cogeneration plant with heat pump for city depuration plant (Nosedo - Milan)	Feasibility study and Basic engineering
2009 - 2009	Progetti SRL Altavilla Vicentina (VI)	Energy systems for HSR Hospital of Lavagno (VR)	Feasibility study
2009 - 2009	Fondazione Centro San Raffaele del Monte Tabor	District heating system of Olbia airport	Feasibility study
2009 - 2009	Kinexia SpA	Rivoli cogeneration plant and Grugliasco peak load boiler plant for a 60 MW district heating system near Turin	Due Diligence
2009 - 2009	Studio Professionale Associato - Seregno (MB)	Composition with creditors of Sadelmi	Due Diligence
2009 - 2010	Infrastrutture Lombarde SpA Milano	2 MWe cogeneration plant with 3 MWt heat pump and district heating system for Pieve Emanuele (Milan)	Basic engineering
2009 - 2010	Infrastrutture Lombarde SpA Milano	"Villa Reale di Monza" renovation - 1st part - Main building	Basic engineering of HVAC and mechanical plants
2009 - 2011	Finsibi SpA	Offices/Laboratories building (10.000 m2) in Brescia	Detailed engineering of HVAC plants
2009 - 2010	OLICAR SpA	1,6 MWe trigeneration plant with 3 MWt heat pump and district heating/cooling system for Sesto San Giovanni (Milan)	Optimisation of the technical solution and feasibility study
2010 - 2010	Amministrazione Provinciale di Varese	Service for the management, running, maintenance and refurbishment of the building facilities of the schools in Varese Province	Member of the commission for the tender award
2010 - 2011	Progetti SRL Altavilla Vicentina (VI)	Heating and refrigerating production plant for HSR Hospital of Olbia	Detailed engineering
2010 - 2010	Varese Risorse - Varese	Repowering of the fuel storage system for thermal power plant of Ospedale di Circolo - Varese	Detailed engineering
2010 - 2011	GDF Group SpA - Cinisello Balsamo	1,6 MWe Trigeneration plant with 3 MWth ground water heat pump and district heating system of Lainate (MI) and of a new hotel resort.	Basic engineering and feasibility study
2010 - 2010	Volteo Energia - Milano	Power station with a 27 MWe section fed with vegetable oil and 7 MWe biomass fed unit of Dister Energia in	Due Diligence

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Year	Client - location	Job	Work performed
2010 - 2010	Varese Risorse - Varese	New cogeneration unit for Varese district heating system	Feasibility study
2010 - 2010	Metropolitana Milanese	Integrated water service for the city of Milan - Improving energy efficiency and reducing emissions of greenhouse gases	Optimisation of the technical solution and feasibility study
2010 - 2010	AMSA	Repowering of the power station fed by SILLA 2 waste incinerator plant of Milan	Basic engineering
2010 - 2010	A2A Calore e Servizi	Repowering of the thermal station feeding the district heating system of Milan	Basic engineering
2010 - 2012	SAT SpA Società Aeroporto Toscano	Galileo Galilei airport in Pisa - Trigeneration plant	Feasibility study and Intermediate design
2010 - 2010	Montello SpA	60 MWT district heating system for 7 municipalities in the province of Bergamo fed by waste incinerator plant of Montello SpA	Optimisation of the technical solution and feasibility study
2010 - 2011	R.E.C. Srl - Milano	Campolattaro (BN) 600 MW hydropower plant	Basic engineering of HVAC and process cooling systems
2011 - 2017	Infrastrutture Lombarde SpA Milano	Construction of the new hospital for the town of Garbagnate Milanese (MI) and maintenance of the Rho (MI) hospital	Member of the technical and administrative inspection commission
2011 - 2011	Sigec Service - Verona	4 MWT district heating system for the municipality of Casalmaggiore (CR) fed by biomass fed cogeneration	Detailed engineering of mechanical plants
2011 - 2011	Casartelli Antonio Srl Galbiate (LC)	Cogeneration plant (2 MWe) with gas engine	Basic engineering activities and preparation of authorization application to the Province
2011 - 2011	Rieti Energie Srl	13 MW district heating system for Rieti, fed by a biomass power station and a groundwater heat pump	Basic engineering of the district heating network
2011 - 2013	Comune di Meda	Lawswit between Meda Municipality and AEB regarding the value of gas networks	Expert for Meda Municipality
2011 - 2013	Vari	Installing heat pumps powered by gas absorption for residential buildings	Technical advice
2012 - 2012	Azienda Ospedaliera Ospedale di Circolo Fondazione Macchi - Varese	New cogeneration unit for Varese district heating system	Safety Manager
2012 - 2012	Ing. Piergiulio Venino	New dental practice in Brugherio	Detailed engineering of thermohydraulic systems
2012 - 2014	Consorzio NICO	Trigeneration plant for Niguarda Hospital (Milan) with 4 piston engines by 4 MWe each	Authorization application for AIA
2012 - 2012	Varese Risorse - Varese	Cogeneration plant feeding the district heating system of Varese	Hazardous areas classification
2012 - 2012	Varese Risorse - Varese	Company documents relating to workplace safety in accordance with Legislative Decree 81/08	Preparing program document for risk assessment
2012 - 2013	Mediterranea delle Acque	Ventilation system for the wastewater treatment plant of Recco (GE)	Intermediate design
2012 - 2012	ComoDepur / ACSM Agam	Cogeneration plant (3 MWe) with a 3 MW heat pump on treated sewage water and 10 MW district heating system in Como	Optimisation of the technical solution, feasibility study, basic design
2012 - 2012	Istituto Auxologico Italiano ASL Milano 2	Multifunctional center in the ex areas of Esselunga in Pioltello (MI)	Technical and administrative inspection and validation
2012 - 2012	GPC IP - Parigi per conto di COFELY GDF-SUEZ	42 MW district heating system for Gennevilliers (Paris - France), fed by a geothermal well, with two heat pumps (17 MW total power)	Feasibility study of the power station and optimisation of the district heating network.
2012 - 2013	Nord Energia	Cogeneration plant (125 MWe) in Ceriano Laghetto (MB) feeding a district heating system for Ceriano Laghetto, Cesano Maderno and Saronno.	Optimization of the plant with an increase of the district heating system capacity.
2012 - 2013	Città di Trezzo sull'Adda (MI)	Implementation of the thermal system of the municipal swimming pool via Nenni with air / water heat pump (280 kW)	Detailed design and Safety Manager of the engineering and working
2012 - 2012	GPC IP - Parigi per conto di COFELY GDF-SUEZ	29 MW district heating system for Arcueil-Gentilly (Paris - France), fed by a geothermal well, with two heat pumps (12 MW total power)	Optimisation of the technical solution and feasibility study
2012 - 2012	GPC IP - Parigi per conto di COFELY GDF-SUEZ	District heating system for Levallois-Perret (Paris - France), fed by a geothermal well and heat recovery (9 MW) from the cooling of a data center	Optimisation of the technical solution and feasibility study
2012 - 2012	Emerson	3 MW cogeneration plant in Netherlands feeding a data center	Optimisation of the technical solution and feasibility study
2013 - 2014	SAT SpA Società Aeroporto Toscano	Galileo Galilei airport in Pisa - Trigeneration plant	Works Direction
2013 - 2013	Saceccav	District heating system fed by heat pumps in Livigno	Feasibility study and basic engineering

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Year	Client - location	Job	Work performed
2013 - 2013	AIM Vicenza	Geothermal heat pump system for Vicenza district heating system	Basic engineering
2013 - 2013	Intergen	Trigeneration plant for the Prysmian factory in Battipaglia	Offer engineering
2013 - 2013	Latteria di Livigno	Solutions for energy saving for the dairy Livigno	Feasibility study
2013 - 2013	Telecom Italia SpA	Trigeneration plants for Telecom Italia factory in Turin, Milan, Bergamo and Palermo	Basic engineering
2013 - 2013	Comune di San Benedetto Po (MN)	District heating system for Municipality of San Benedetto Po	Basic engineering
2013 - 2013	Carbotermo SpA - Milano	Giussano Hospital	Energy analysis
2013 - 2013	Ospedale San Raffaele Milano	Renovation of the thermal power plant of Ville Turro complex	Detailed engineering
2013 - 2015	Telecom Italia SpA	Trigeneration plants for Telecom Italia factory in Turin, Milan and Palermo	Works Direction and Safety Manager of the Construction
2013 - 2014	Ministero della Giustizia Dip. Amm. Penitenziaria Reg. Lombardia - Sede Milano	Identification of possible energy saving measures (inclusion of heat pumps air to water absorption) for the thermal power stations of prisons in Lombardy	Technical consulting and detailed engineering
2013 - 2013	Rodacciai - Bosisio Parini (LC)	Trigeneration plant for Rodacciai factory in Bosisio Parini (LC)	Basic engineering
2014 - 2014	Telecom Italia SpA	Trigeneration plants for Telecom Italia factory in Padova (2 plants), Verona, Treviso and Mestre	Audit for evaluation CAR
2014 - 2014	GPC IP - Parigi per conto di KYOTHERM - Omnes Capital	Blue Lagoon - Geothermal district heating system of Nature Village - Disneyland Paris	Due Diligence
2014 - 2014	Air Liquide	Heat pump system for the establishment of Castelnuovo del Garda (VR)	Detailed engineering
2014 - 2015	Telecom Italia SpA	Adaptation of electromechanical systems for the Telecom office in Florence	Detailed engineering
2014 - 2014	Varese Risorse - Varese	MV line to feed the Ospedale di Circolo from existing cogeneration plant	Feasibility study and Basic engineering
2014 - 2015	Telecom Italia SpA	Adjustment of the air conditioning plant of the Data Center "Rozzano 1"	Works Direction and Safety Manager of the Construction
2014 - IC	European Commission DG Joint Research Centre ISPRA Site Management Nuclear Decommissioning Unit	New grouting station	Testing Services
2014 - IC	Università degli Studi di Milano	Construction of a new building for the needs of the educational and scientific degree courses and the Departments of Computer Science, Area Libraries and	Member of the technical and administrative inspection and validation commission
2014 - 2016	CRS Impianti	Installation of a trigeneration plant at the Policlinico San Marco in Zingonia (BG)	Basic engineering
2014 - 2016	CRS Impianti	Installation of a trigeneration plant at the Policlinico San Pietro in Bergamo	Basic engineering
2014 - 2014	Passavant Impianti SpA	Heat pumps applied to the treatment plant of Clichy in Paris	Offer engineering
2014 - 2014	Idrotermica Service Srl	Trigeneration plant at the Mall Ipercity of Albignasego (PD)	Feasibility study
2015 - 2016	TIM - Telecom Italia SpA	Tier IV data center at the complex Telecom Italia in Acilia Rome	Detailed engineering, Work Direction and Technical inspection and
2015 - 2018	Bergamo Green Energy	800 kW Cogeneration plant for the factory GSI SpA in Scanzorosciate (BG)	Detailed engineering, Works Direction and Safety Manager of the Construction
2015 - 2016	Comet - Tesa	1200 kW cogeneration plant for the factory Comet in Concagno (CO)	Feasibility study, Basic engineering and Detailed engineering
2015 - 2017	KYOTHERM Sas - Parigi	13 MW geothermal district heating system for Castelfiorentino (FI)	Basic engineering
2015 - 2016	TIM - Telecom Italia SpA	Implementation of the refrigeration unit of the data center "Rozzano 3"	Detailed engineering, Works Direction and Safety Manager of the Construction
2015 - IC	TIM - Telecom Italia SpA	HVAC and mechanical plants for the Telecom complex Acilia (RM) - offices for 1500 people	Detailed engineering
2015 - 2015	TIM - Telecom Italia SpA	Trigeneration plant of Firenze and Pomezia	Audit for evaluation CAR
2015 - 2015	Dedalo Esco	Cogeneration plant with heat pump to the district heating system service Alzano Lombardo (BG)	Feasibility study
2015 - 2015	CEAS	KRK Island (Croatia) - LNG terminal project	Design criteria for plumbing, drainage and sewage system
2015 - 2016	AGSM Verona	Installation of heat pumps at cogeneration power plants of Centro Città, Banchette, Golosine and Borgo Trento	Detailed engineering
2016 - 2016	Sintecnica Engineering	Cogeneration plant for the factory DISPENSA DI CAMPAGNA in Castagneto Carducci (LI)	Feasibility study

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Year	Client - location	Job	Work performed
2016 - 2016	BIMARCH Srl - Roma	Realisation of wells for heat exchange open circuit with withdrawal and reintroduction into the groundwater, at the Telecom complex of Rozzano (MI)	Request of authorization for the grant and exploitation of groundwater
2016 - 2016	La Sia Srl - Roma	Upgrading sewer system of the seat Telecom Brescia Kennedy	Detailed engineering
2016 - 2016	Telecom Italia SpA	Energy optimization design for 10.600 Telecom Italia telephone stations	Basic engineering
2016 - 2017	GPC IP - Parigi per conto di Omnes Capital	Geothermoelectric power plant of Vendenheim (Strasbourg) of an organic fluid cycle by 7,5 MW	Due Diligence
2016 - 2018	Gobbi Impianti Srl Campolongo Maggiore (VE)	Trigeneration plant at the Mall Ipercity of Albignasego (PD)	Detailed engineering
2016 - 2017	Elettromeccanica Euganea per conto di UNARETI	Mechanical and thermal plants related to cooling systems of 2 HV / MV transformers at the Benedetto Marcello electrical station in Milan	Detailed engineering
2017 - 2017	Varese Risorse - Varese	District heating system for the city of Varese - Thermal substation and pumping station in the area of the Ospedale del Ponte	Basic engineering and hydraulic calculation
2017 - 2018	KYOTHERM Sas - Parigi	18 MW geothermal district heating system for Montecatini Terme (PT)	Basic engineering
2017 - 2017	Varese Risorse - Varese	Functional works for connecting Del Ponte Hospital to the district heating network	Detailed engineering
2017 - 2017	LRI - Linea Reti e Impianti Cremona	Installation of heat pump at Lodi district heating plant	Basic and Detailed engineering
2017 - IC	Ariston Thermo Innovative Technologies Srl	Restructuring of existing building to be used as offices / laboratory in Agrate	Basic engineering, Works Direction and Safety Manager
2017 - 2020	Università degli studi di Parma	Study for energy efficiency of the university campus	Feasibility study
2017 - 2017	Ministero delle Infrastrutture e dei Trasporti - Milano	Energy efficiency of the multifunctional complex of the State Police in Via Cagni in Milan	Detailed engineering and Safety Manager
2018 - IC	Tecnostampi srl - Gornate Olona (VA)	Air conditioning plant for the new industrial building of Tecnostampi factory	Detailed engineering
2018 - 2018	Hera SpA	Installation of heat pump at cogeneration power plants of Berti Pichat in Bologna	Feasibility study, Detailed engineering and Works Direction
2018 - 2019	Varese Risorse - Varese	Adjustment of the air conditioning plant of the district heating station of Via Rossi in Varese	Detailed engineering and Safety Manager
2018 - IC	Edison Fenice SpA	Geothermal district heating system for the Municipality of Florence	Basic engineering
2018 - IC	Leghe Leggere Lavorate Srl Buccinasco (MI)	Energy efficiency with gas-powered absorption heat pump	Detailed engineering and practice of thermal accounting
2018 - IC	Omnes Capital	Fonroche Geothermie - Geothermal heat and power station with a 7,5 MW ORC System in Vendenheim	Technical due diligence and consulting services
2018 - IC	Banques des Territoires	Geofluid Paris - Due diligence for geothermal heat and power station with a 7,5 MW ORC System in	Technical due diligence and consulting services
2018 - IC	Novareti SpA - Rovereto (TN)	Evaluations of possible future development scenarios of the Rovereto cogeneration and district heating plant	Basic engineering
2018 - IC	Gree Geotermia Padova Srl	Geothermal district heating system for the Municipality of	Feasibility study
2018 - 2018	Varese Risorse - Varese	Extension of the network connected to the heating and cooling plant to the new pavilions and functional adaptation of the plant	Feasibility study
2018 - IC	Cartiera Fedrigoni - Verona	Cogeneration plant at the Arco plant (TN) - Possible scenarios for future development	Basic engineering
2018 - IC	Comune di Trevignano (TV)	Use of low enthalpy geothermal to cover the thermal requirements of a municipal complex of the Municipality of Trevignano	Technical-economic feasibility project
2019 - 2019	Fiordaliso Srl - Agrate Brianza (MB)	Extraordinary maintenance on the Fiordaliso building in via Della Vignolina 2 in Agrate Brianza (MB)	Safety coordinator in the design and execution phase
2019 - IC	Provveditorato Opere Pubbliche - Milano	Energy efficiency improvement of the Milan-Bollate prison	Detailed engineering
2019 - 2019	Varese Risorse - Varese	Cogeneration plant with heat pump at the Como treatment plant to power a district heating system	Feasibility study and basic engineering
2019 - 2019	Fonti Rinnovabili Alta Valle Trompia Srl - Collio (BS)	Cogeneration plant with heat pump serving the district heating plant of Collio and San Colombano (BS)	Feasibility study
2019 - 2019	Varese Risorse - Varese	Revamping of the Como district heating system	Feasibility study and basic engineering
2019 - IC	AG Power - Riva del Garda (Cartiere del Garda e AGS)	Energy efficiency of the 60 MW combined cycle plant	Feasibility study
2019 - IC	AG Power - Riva del Garda (Cartiere del Garda e AGS)	backpressuresteam turbine - 9 MW	Detailed engineering and GSE practice

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2019 - IC	Telecom Italia SpA	800 kWtrigeneration plant at the Bologna site	Detailed engineering, Works Direction and Safety Manager
2019 - IC	Novareti SpA - Rovereto (TN)	Restructuring of the cogeneration plant for district heating with a new 4.3 Mwe motor and boilers	Intermediate design, Works Direction and practice
2019 - 2019	Wood - Corsico (MI)	Cogeneration plant for the Timac Agro Italia SpA plant in Ripalta Arpina (CR)	Cost and benefit analysis of the various alternatives
2019 - 2020	Consorzio Nazionale Servizi Bologna	Energy requalification and building management of the Metropolitan City of Milan	Site inspections and offer engineering
2020 - IC	MCE Srl	Various works at the hotel in via Santa Radegonda 14 in Milan	Intermediate design, Works Direction and practice
2020 - IC	Azienda Multiservizi Casalese - Casale Monferrato (AL)	Cogeneration plant with heat pump serving the district heating system of Casale Monferrato (AL)	Feasibility study
2020 - IC	Telecom Italia SpA	Trigeneration plant at the Rozzano and Rozzano 3 sites	Works Direction and Safety Manager
2020 - IC	Azienda Multiservizi Casalese - Casale Monferrato (AL)	Cogeneration plant at the Mall La Cittadella of Casale Monferrato (AL)	Feasibility study
2020 - IC	Legance - Avvocati Associati	Lawsuit between Impresa Manca Costruzioni Generali spa e Tecnimont spa regarding the value of works in Tempa Rossa oil center	Expert for Tecnimont spa
2020 - 2020	Geodip	Geothermoelectric power plant of Casa del Corto	Due Diligence
2020 - IC	Varese Risorse - Varese	Various works and adjustment of the heating and refrigerating production plant for Ospedale di Circolo - Varese	Detailed engineering and Safety Manager
2020 - IC	Ariston Thermo Innovative Technologies Srl	Restructuring of existing building to be used as testing laboratory in Cambiagio	Basic and detailed engineering, Works Direction and Safety Manager
2020 - 2020	AIMAG SpA - Mirandola (MO)	Geothermal plant with heat pumps for AIMAG headquarters and for Mirandola district heating system	Due Diligence