EUROPEAN FORMAT FOR CURRICULUM VITAE

PERSONAL INFORMATION

First name	**Ghizzoni Franco**
Address	**----------**
Telephone	**----------**
Fax	
E-mail	**----------**
Nationality	**Italian**
Date of birth	**---------- 1957**

WORK EXPERIENCE

• Dates (from - to)	From 1988 to September 2018
• Name and address of employer	Iren Ambiente SpA Piacenza (formerly Enìa SpA Parma and AGAC Reggio Emilia)
• Type of company or sector	Multi-utility energy, waste and water sector
• Type of use	Executive technician

In 2013 member of the Board of Directors of ASEP, multiservice company of the Municipality of Porto Mantovano and others of the Province of Mantua
http://www.asep.it

• Main tasks and responsibilities

The position held from October 2008 until September 2018 has been the head **of the Project** Planning and Management Department of Iren Ambiente SpA - Iren Reggio Emilia Group (new cogeneration waste to energy plant in Parma for an amount of about € 200 million) and others (electricity recovery from landfill biogas; renovation of boilers integrating the district heating system of Reggio Emilia for a total power of 100 MW) in recent years has coordinated the design and the various requests for authorization for some important strategic projects of the company, including:

- Treatment of the organic fraction of organic waste with production of biomethane in the Municipality of Reggio Emilia (estimated amount over € 50 million);
- Paper and plastic selection deriving from the separate collection and special waste treatment at the Environmental Pole of Parma (estimated amount over € 20 million);

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- Paper and plastic selection deriving from the separate collection at the Municipality of Borgaro - Turin (estimated amount over € 17 million);
- Treatment and storage of hazardous special waste at the Environmental Pole of Parma (estimated amount over € 2 million);
- Cogeneration plant with steam cycle combined with urban district heating at the waste-to-energy plant in Piacenza (planned amount over € 8 million);

In addition, the qualification procedures with GSE for green certificates from biomass and high efficiency cogeneration (CAR) were also managed.

These activities (with the responsibility of a technical staff of 11 technicians including 8 engineers) relate directly to those carried out up to the beginning of 2006;

From April 2006 to September 2008 **he was responsible for the management of energy and waste disposal plants** in the province of Reggio Emilia for Enìa Progetti SpA (a special purpose company of Enìa SpA) directly referred to the CEO. Through a staff of about 75 people divided into 4 main departments (management - maintenance related to energy - waste) were managed the following plants:

Reggio Emilia district heating system

- cogeneration plant with combined cycle and steam cycle of the total electric power of about 80 MW and thermal power of 150 MW ;
- n 3 supplementary district thermal power plants
- 7 absorption refrigeration systems connected to the district heating network

waste disposal

- 200 t/g incinerator furnace with 4 MW electric and 15 MW thermal cogeneration plant
- Biogas extraction from two provincial landfills, with 5 renewable engines for almost 5 MW.

About 40 employees were active on shifts for 2 control rooms (cogeneration plant - incinerator furnace).The annual operating bdg was about 8 million euro, relating to personnel and maintenance costs alone; the main raw materials as well as the products (electricity and heat) were related to other sectors of the holding company, however the operational management of the latter was also in charge of the sector. Included in the activity carried out (in collaboration with staff offices) were also the issues related to budget, personnel and trade union relations, logistics, purchasing, environmental fulfillments and safety.

Until April 2006, I was Head of **Planning and Works Department for Energy and Waste Disposal Plants**, with the following specific areas:

- **energy and disposal plants**, with the management of small projects up to medium-large plants of the following types:
  - thermal and cogeneration plants, especially related to the company's district heating service;
  - plants for energy recovery - biogas, waste -;
  - landfills ;
  - electrical installations, cathodic protection and process automation.

  Industry personnel : 16 technicians (9 mechanical extraction and 7 electrical extraction)
  Annual amount of orders: average € 3/4 million with peaks of € tens of millions;
  The most important order was the new 55 MW combined cogeneration cycle for a total amount of 52 million €. All the most important technical and administrative aspects were developed on this project (in particular: authorisations, financing request with ministry and region, design, tender, construction management, relations with third parties, for example : high voltage connections).
  For these activities, in particular the civil and mechanical design part, studies and/or external professionals were normally used, leaving within the supervision and coordination activity. In addition, strategic aspects were developed (feasibility studies etc) as well as those with a higher specialist sector content (for example, plants connecting to district heating).
  Most of the design of electrical/electronic parts/instrumentation/remote control, developed for all the new or renovated plants of Enìa RE, was carried out with technicians of the service

- **Management of the corporate electricity market sector** (until 2003) with problems related to :
  - company self-production of electricity with transport contracts, etc.;
  - production of electricity from renewable sources (CIP 6/ green certificates);

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- purchase of electricity from the free market :
- institutional sector relations (AEEG , GRTN etc.);

- **Maintenance management of** electrical and electronic systems(automation and remote controls) of the company's water cycle plants (water plants and purifiers) and the common sector/gas. It was about 500 plants, from small sewage lifts to large city sewage plants, with more than 50 cabins in MT. Also included the management/ design of cathodic protection systems (about 120 units throughout the province) and the related requirements required by AEEG and the operators the railway sections crossed by protected pipes. The sector also provided for the management of radio links and related mobile and fixed equipment.
- Sector personnel : one manager and 10 operational.
  Average annual budget : about 700,000€.

- **Design and management of public lighting systems**: from 1997 to 2003 the plants of 40 municipalities in the Province of Reggio Emilia (including the capital) were managed for over 50,000 light points. The service included ordinary maintenance , extraordinary as well as prompt intervention. The staff consisted of 3 technicians who coordinated the operational activities through a plurality of contracts with external companies.The sector , at the request of the municipalities, was also responsible for the construction of new plants or the renovation of existing. Since 2004 this service has been discontinued due to the disappearance of the original conditions between the company and the common owners.
  Average annual budget about 1.3 M€

• Dates (from - to)	From 1986 to 1988
• Name and address of employer	Pimespo Luzzara (RE)
• Type of company or sector	Logistics (electric forklifts)
• Type of use	Production
• Main tasks and responsibilities	planning of materials and methods

• Dates (from - to)	From 1984 to 1986
• Name and address of employer	Belleli SpA of Mantua
• Type of company or sector	Large energy and petrochemical plants
• Type of use	Planning
• Main tasks and responsibilities	Assistant foreman for international contracts

EDUCATION AND TRAINING

Since 2007 he has been co-professor at the convention between the company and the University of Modena and Reggio Emilia
Management, treatment and disposal of solid and waste [M 11066] until 2010/2011
Sanitary treatment plants - Environmental [M 11067] from 2011/2012 to 2018/2019
Degree in Environmental/Civil Environmental Engineering 3 year.
From 2019/2020 to 2023/2024 co-professor Sanitary treatment plants - Environmental [M 11067]
Degree in Environmental/Civil Environmental Engineering 3 year

• Dates (from - to)	1976-1983

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• Name and type of education or training institution	University of Bologna - Faculty of Engineering
• Main subjects/ professional skills studied	Mechanical engineering
• Qualification obtained	Degree in Mechanical Engineering 100/100 and Honours
• Level in national classification (if applicable)	
• Dates (from - to)	1971-1976
• Name and type of education or training institution	Virgilio Classical High School in Mantua
• Main subjects/ professional skills studied	
• Qualification obtained	Classical maturity 60/60
• Level in national classification (if applicable)	

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PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily recognized by certificates and official diplomas.

NATIVE SPEAKER	**Italian**
OTHER LANGUAGES	
	Frenchman
• Ability to read	Good
• Ability to write	Good
• Ability of oral expression	Moderate
	English
• Ability to read	Good
• Ability to write	Moderate
• Ability of oral expression	Basic

Suzzara, 06 21 2024

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