



Gruppo Caraglio

Company profile

2021



Gruppo Caraglio

- History
- Branches
- Mission
- Key figures
- Activities:
 - ✓ Electrical substations
 - ✓ Photovoltaic plants
 - ✓ Hydro power plants
 - ✓ Automation systems
 - ✓ Technological systems
 - ✓ Building solutions
 - ✓ Electromechanical constructions
 - ✓ Electrical distribution
- List of works

Caraglio S.r.l. - Headquarters
V.le Industria, 11 - 12051 Alba (CN)
Tel: +39 0173.447400
Fax: +39 0173.442158

Gruppo Caraglio

History

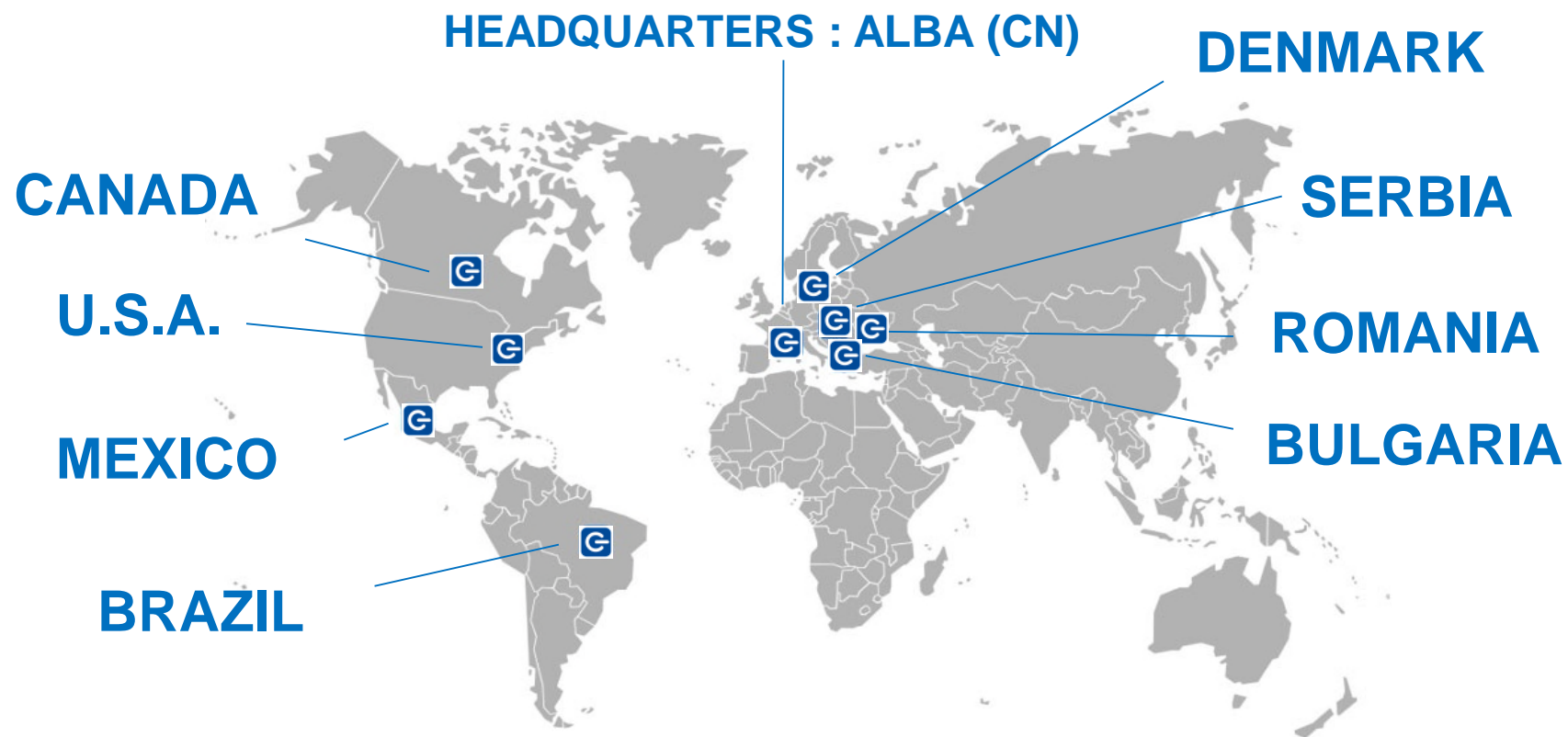
Caraglio S.r.l. was founded in 1970 in Alba (CN) by Giancarlo Caraglio. Due to its expertise and service quality, the company emerged as a major player in its sector, providing electrical systems for important companies such as Ferrero, Miroglio and Abet. It was Giancarlo the first, followed later by his two sons, Riccardo and Paolo, to establish new companies in Italy and abroad.



- 1980 - IDG S.p.A. - electrical material distribution
- 1990 - Nordimpianti S.r.l - technological systems
- 1991 - Cieb Nuova S.r.l - MV-LV switchboard manufacture
- 1998 - new branch opening in Bulgaria
- 2005 - the company entered the Albanian hydroelectric market
- 2006 - new branch opening in Canada
- 2010 - new branch opening in Serbia
- 2011 - new branch opening in Mexico
- 2012 - new branch opening in Brazil
- 2012 - Bridi - electrical systems for hydroelectric power plants
- 2014 - Adriano Germano - packaging and automation solutions
- 2014 - IDG S.p.A. incorporates through a merger:
 - CEA from Rho Milano
 - TIEM from Torino
 - DEMA from Borgomanero Novara
 - SMAES from Savona
- 2017 – new branch opening in Romania
- 2018 – new branch opening in Denmark
- 2018 – new branch opening in U.S.A.
- 2019 – IDG S.p.A. majority partens of ElettrogruppoZeroUno
- 2019 – Caraglio S.r.l. majority partens of SEA Experience S.r.l.
- 2019 – Partnership with AMS Chicago USA

Gruppo Caraglio

Branches



- For more than forty years, Caraglio's business has been "working with energy": delivering the best, safest, most beneficial and state-of-the-art solutions in response to all our customers' technical and industrial needs.
- Following market trends, driven by demand of full "*turn key*" services, Caraglio manages to complete the offer of technology with construction and civil works execution.



Key figures GRUPPO CARAGLIO

- Gruppo Caraglio has consolidated its market share with an average turnover of:

Over 200.000.000 €

- This was also due to the continuous investment in Human Resources, employing today more than:

Over 800 persons



Key figures CARAGLIO

- Caraglio has consolidated its market share with an average turnover of the last 3 years of:

30.000.000 €

- This was also due to the continuous investment in Human Resources, employing today more than:

100 persons



Gruppo Caraglio

Certificazioni

- UNI_EN ISO 9001:2015
- ISO 14001: 2015
- ISO 45001:2018
- ISO 50001:2018
- SA8000:2014





L



ENEL

LEII09 Electrical installations, automation including design and start-up withing production plants.

FAAI02 Control and automation systems Hydro, Geothermal, Wind and Solar

FEII33 Structures of housing of TLC equipments for the fiber optic network.

LEII06 Construction of Photovoltaic Systems

TERNA

FTTE08 Comand and control systems for electrical substations.

LESC02 Electrical substations-electrical and electromechanical erectio

FEQE14 LV switchgears auxiliary services a.c.- d.c.

General Electric

ITALCEMENTI

ENI S.p.A.

SNAM

A2A

ACEA – electrical systems

IREN GROUP

EDISON GROUP



Torino – San Benedetto – Napoli • Numero Verde 800.540.340 • www.bentleysoa.com

Codice Identificativo : 02751850047 (Autorizzazione n.35 del 28/12/2000)

ATTESTAZIONE DI QUALIFICAZIONE ALLA ESECUZIONE DI LAVORI PUBBLICI
(ai sensi del D.P.R. 207/2010)

Rilasciato alla impresa: CARAGLIO S.R.L.	
C.F.: 01876320043	P.IVA: 01876320043
con sede in: ALBA	CAP: 12051 Provincia: CN
Indirizzo: CORSO ASTI N.18	
Iscritta alla C.C.I.A.A. di: CN	al n.: 01876320043

Rappresentanti legali		Direttori tecnici	
Nome e Cognome	Codice fiscale	Nome e Cognome	Codice fiscale
PAOLO CARAGLIO	CRGLPA76L19B573D	Sig. MARCO VIGLIONE	VGLMRC51C10A134W
RICCARDO CARAGLIO	CRGRCD75D1281113	Ing. RICCARDO CARAGLIO	CRGRCD75D1281113

Categorie e classifiche di qualificazione:

Categoria	Classifica	C.F. direttore tecnico cui è concessa la qualificazione
OG 9	VI	
OG 10	IV	
OG 11	IV	
OG 30	V	

Qualificazione per prestazione di progettazione e costruzione fino alla V classifica.

L'impresa possiede la certificazione (art. 3 comma 1, lettera mm) del D.P.R. 207/2010 valida fino al 23/04/2021 rilasciata da IMQ S.p.A..

Attestazione n.: 28451/35/00	(N.ro prog./ codice SOA)	Sostituisce l'attestazione n.: 27223/35/00	(N.ro prog./ codice SOA)
Data rilascio attestazione originaria	24/11/2017	Data scadenza validità triennale	23/11/2020
Data rilascio attestazione in corso	03/07/2020	Data effettuazione verifica triennale	
		Data scadenza validità quinquennale	23/11/2022

Firmatari	
Rappresentante Legale	Direttore Tecnico
SILETTO CARLO	GALANTE GIANFRANCO

SOA certification:

We are qualified for these categories:

- OG 9 cat. VI – up to € 10.329.000,00 – Equipment for the production of electric energy
- OG 10 cat. IV – up to € 2.582.000,00 – Installations for the high / medium voltage transformation and for the distribution of electrical energy into alternating current and continuous and of public lighting installations
- OG 11 cat. IV – up to € 2.582.000,00 – Technological Systems
- OS 30 cat. V – up to € 5.165.000,00 – Internal electrical, directories, radio and television systems

Gruppo Caraglio

Key figures Cieb Nuova S.r.l.



CIEB

Cieb has consolidated its market share with an average turnover of the last 3 years of:

8.000.000 €

This was also due to the continuous investment in Human Resources, employing today more than:

40 persons



Certifications:

UNI_EN ISO 9001:2015

ISO 45001:2018

Qualifications:

Acea - MV and LV electrical panels

Gruppo Caraglio

Key figures Nordimpianti S.r.l.



NORDIMPIANTI

Nordimpianti has consolidated its market share with an average turnover of the last 3 years of:

6.000.000 €

This was also due to the continuous investment in Human Resources, employing today more than:

30 persons

Certifications:

UNI_EN ISO 9001:2015

RINA AUTHORIZATION FOR CE MARKING MODULE D1D1 2007 DG PP 173

Gruppo Caraglio

Key figures IDG S.p.A.



IDG has consolidated its market share with an average turnover of the last 3 years of:

170.000.000 €

This was also due to the continuous investment in Human Resources, employing today more than:

450 persons

Certifications:

UNI_EN ISO 9001:2015
CRMS FP 07:2015 – Credit Risk Management Systems

In 2019, IDG S.p.A. acquires the majority shares of ElettrogruppoZeroUno, increasing turnover and the number of branches in the North West.

This is the IDG world, more and more presence on the territory for the benefit of our customers throughout the territory of Piedmont, Lombardy and Liguria.

Gruppo Caraglio

Activities

Electrical substations



- Caraglio Group designs and produces turnkey electrical substations. The expertise of its team and the quality of its products make Caraglio the ideal partner in the building of high voltage substations.
- We work with qualified international suppliers to ensure the punctual consignment of plant. We began with the assembly and supply of switchboards and panels for auxiliary services to the national electricity board (ENEL). We are now able to supply high and very high voltage "turnkey" stations and primary stations.
- Caraglio srl is UNI-EN-ISO 9001:2015 certified (as are all the Caraglio Group companies) in accordance with the highest quality standards. (Italian Quality Mark Institute). We are qualified and our products are approved by Terna (national electricity grid operator), Enel and Eni.

Photovoltaic plants



CARAGLIO GREEN

IMPIANTI FOTOVOLTAICI PER L'INDUSTRIA

- Caraglio Green is the division of Caraglio Group that deals with designing and building turnkey industrial photovoltaic systems.
- Thanks to the professionalism of its team of engineers, the quality of the products offered and the study of custom-tailored solutions Caraglio Green is the ideal partner, from the bureaucratic process to obtain permits and financing through to the maintenance of the industrial photovoltaic system that is best suited to the customer's needs. Central to this process are the needs of the customer, for whom we develop new technical solutions every day and ensure the continued collaboration with qualified suppliers and timely delivery of the system.

Hydro power plants



**BRIDI
IMPIANTI HYDRO**

- Caraglio Group deals with the development, design, construction and turnkey delivery of hydroelectric power plants of different capacity and revamping of existing plants.
- Always attentive to the development and use of renewable energies and environmental sustainability, Caraglio Group provides experience and professionalism in assessing the feasibility of the hydroelectric power plant (with a geomorphological and hydrological study, both in the presence of natural and artificial waterways). Helping the customer to choose the most appropriate size for the plant (complex or mini-hydro). Also providing, at the end of the study, a thorough technical-economic report.
- Forty years experience, qualified engineers and reliable partners. Among the best on the market, make Caraglio Group the ideal partner. Not only for building the hydroelectric power station from scratch, but for the redesign and modernization of existing plants in order to update them. Improve performance, ensure compliance with the law and make the client independent in the production of electricity.

Automation systems



- Caraglio Group deals with automation systems for the control of machines, production lines in manufacturing and process industries.
- Thanks to its forty years of experience, the collaboration with industry professionals and partners/suppliers among the most qualified of the market. Caraglio Group follows its customers from the first system design through to after-sales service, to offer a complete, reliable and professional service you can always count on.
- Automations are designed and applied to process. Manufacturing industries such as food, agri-food companies, chemical companies, textile companies and those dealing with the processing of rubber and plastic. They are also suitable for glass, paint, feed, pet food, packaging, robotics and handling industries.

Gruppo Caraglio

Activities

Technological systems



NORDIMPIANTI

Building solutions



- Gruppo Caraglio's facilities and state-of-the-art technological know-how cater for the designing and construction of industrial plant in numerous sectors: food, pharmaceuticals, chemicals, textiles, electronics, electro mechanics, publishing graphics, glass.
- Air conditioning and fire prevention systems are also delivered with the same expertise to the services industry, airports, management centers and shopping centers.
- Plant is designed and pre-fabricated at Nordimpianti's headquarters in Alba, ready to be given its final form and to be made operational on site by teams of highly-qualified technicians: pipe-fitters, structural metal workers, mechanics, crane operators and welders.
- All the equipment produced is built to comply with ISPEL, RINA, DIN and ANSI standards and protocols.
- Caraglio Group designs and implements automation systems for large public and private buildings. These systems use integrated management in all technological plant including: electrical plant and internal and external lighting, heating and cooling systems, HVAC plant (heating, ventilation and air conditioning), special plant (anti intrusion, CCTV and fire detection), energy consumption and data management and collection together with appropriate alarms to overcome absorption thresholds.
- Caraglio Group helps the client to identify the most suitable technological platform on the market and designs the control system architecture, scaling it to ensure efficiency and functionality. Building automation projects are approached with a view to integrating and balancing the control needs of the building structure and those of the people who will occupy it.

Electromechanical constructions



- Cieb's headquarters are in Fossano, in the province of Cuneo. The company has been operating for forty years in the field of switchboards and electrical systems.
- The production facilities extend over an area of 4,000 square meters, and are equipped with all the latest equipment and machinery.
- Construction, assembly and cabling – the three technical steps involved in the production process – are constantly monitored to ensure the highest standards of quality, while reliability is further guaranteed by the automation and standardization of the production procedures and equipment.
- Flexibility and attention to customer requirements are the strengths of the company, which combined to a continuous pursuit of quality allow us to provide personalized switchgears and tailor-made solutions for each customer.
- Our production comprises:
 - Medium Voltage Switchgears
 - Metal-clad type up to 24kV
 - Metal-enclosed with air-insulated switch-disconnector up to 36kV
 - Metal-enclosed with gas-insulated switch-disconnector up to 24kV
 - Low Voltage Switchgears
 - Power Center up to In 6300A Icw=100ka
 - Motor Center Control – removable drawers
 - Motor Center Control – fixed drawers
 - Secondary distribution switchgears
 - Other switchgears

Electrical material distribution



- IDG is a leader in the distribution of electrical material to the industrial, services and residential sectors.
- Our mission is our clients' satisfaction, and the best way to achieve this is through solid partnerships with our suppliers (the best companies present on the international market), and the expertise of our specialized employees. An integral part of IDG, our technicians are highly qualified and able to provide a constant and effective consultancy service to all our clients.
- IDG incorporates by a merger the following companies:
 - Cea Spa from Rho Milano, 2014
 - TIEM from Torino, 2014
 - Dema from Borgomanero Novara, 2014
 - SMAES from Savona, 2015
 - ElettrogruppoZeroUno, in 2019, IDG S.p.A. acquires the majority shares of the company, increasing the turnover in 170 million also the number of branches
- The large quantities of material kept in stock allow us to take timely action in order to meet our customers' demands in the shortest time possible.
- IDG S.p.A. has over 40 branches in the North West of Italy, with a centralized warehouse in Santa Vittoria d'Alba (CN)

Gruppo Caraglio

References: TOP customer in industry sector



Project Name: Realization work for the electric independence of the Michelin plants

Customer: Michelin Italiana S.p.A. **Year:** 2010 - ongoing

Description: Supply, installation and commissioning of electrical equipment for the electrical separation , electrical revamping, construction of a new protection system for MV / LV substations. Replacement of cabins and transformers. Turin, Cuneo and Fossano facilities.

Amount (€): over 6.000.000



Project Name: MV-LV ELECTRICAL DISTRIBUTION WORKS - Italy

Customer: Ferrero spa **Year:** 2010 - ongoing

Description: MV/LV Electrical systems for primary substations, MV/LV cable laying and connections, supply and installation of MV/LV switchgears.

Amount (€): over 20.000.000



Project Name: MV-LV ELECTRICAL DISTRIBUTION WORKS - Italy

Customer: FENICE S.p.A. by EDISON EDF **Year:** 2016 - ongoing

Description: MV/LV Electrical systems for primary substations, MV/LV cable laying and connections, supply and installation of MV/LV switchgears.

Amount (€): over 9.000.000

Gruppo Caraglio

References: industrial sector



Project Name : STM R3 project CUB and FAB Building
Customer: ST Microelectronics S.r.l. **Year:** 2020 – ongoing
Description: Supply and installation of electrical and special systems, distribution, lighting and power supply, related to Lot WP-E01, ST Microelectronics plant in Agrate Brianza
Amount (€): over 17.000.000



Project Name: Revamping of electrical works
Client: Biraghi S.p.A **Year:** 2020
Description: Revamping of electrical systems at production plant in Cavallermaggiore (CN).
Amount (€): 400.000



Project name: New Saclà facility
Customer: F.lli Saclà **Year:** 2019 – 2021
Description: Supply and installation of electrical and mechanical systems for construction of new Castello d'Annone plant.
Amount (€) 3.700.000

Gruppo Caraglio

References: industrial sector



Project Name: New Ferrero automatic warehouse in Arlon

Client: Percassi Batiment **Year:** 2021 – ongoing

Description: Realization of electrical and special systems; lighting, distribution, supply of LV switchboards, video surveillance, access control security system, fire detection system, BMS system and structured cabling.

Amount (€): oltre 1.850.000



Project Name: DTC Lab for Ferrero Alba

Client: Impresa Percassi **Year:** 2020-2021

Description: Realization of electrical and mechanical systems for the new DTC laboratories, Ferrero Alba (CN).

Amount (€): 654.298



Project Name: New Ferrero automatic warehouse

Client: Impresa Percassi S.p.A. **Year:** 2020 – ongoing

Description: Realization of electrical and special systems; lighting, distribution, supply of LV switchboards, video surveillance, access control security system, fire detection system, BMS system and structured cabling.

Amount (€): 1.400.000

Gruppo Caraglio

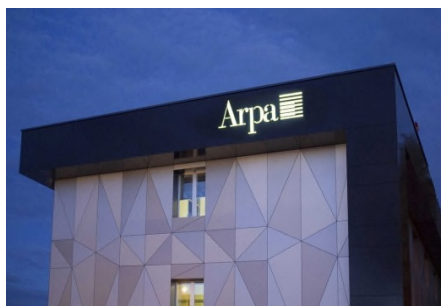
References: industrial sector



Project Name : Nutkao Facility
Customer: Nutkao S.r.l. **Year :** 2019 – ongoing
Description: Realization of electrical and special systems for expansion of new production structure and warehouse for Nutkao plant in Canove di Govone
Amount (€): 1.590.000



Project Name: Chambery glassware furnace
Customer: OCV - Chambery France **Year:** 2018
Description: Lighting, utilities plant, water treatment, chilling water, compressed air scada and supply of MCC panels.
Amount (€): over 1.000.000



Project Name: Extension of the Arpa Fenix plant in Bra (CN)
Customer: Arpa industriale Spa **Year:** 2017 – 2019
Description: Execution of lighting electrical systems, motive power and special systems comprising the supply of electrical switchgear for the extension of the Arpa Fenix plant in Bra(CN)
Amount (€): 1.220.000

Gruppo Caraglio

References: industrial sector



Project Name: Realization of complete MV/LV electrical systems for extension Phillip Morris plant- Otopeni Romania

Customer: PHILIP MORRIS **Year:** 2017 - 2019

Description: Realization of electrical systems, Substation MV/LV, distribution, lighting, power supply, electrical support for air conditioning, smoke detection plant for extension Phillip Morris production facility, Otopeni Romania

Amount (€): 6.500.000



Project Name: Realization of complete MV/LV electrical systems for new Phillip Morris plant- Bologna, Italy

Customer: PHILIP MORRIS **Year:** 2015 - 2018

Description: Realization of electrical systems, Substation MV/LV, distribution, lighting, power supply, electrical support for air conditioning, smoke detection plant for new Phillip Morris production facility, Bologna, Italy.

Amount (€): 13.760.000

MAINA®

Project Name: INDOOR ELECTRICAL SYSTEM FOR PRODUCTION FACILITY EXPANSION – Fossano (CN)

Customer: Food Industry **Year:** 2015

Description: Electrical systems, special systems, KNX system automation, data network with supply and installation of LV switchgears for the expansion of the Maina existing production facility, Fossano (CN)

Amount (€): 300.000 **Other data:** 4000 mq

Gruppo Caraglio

References: industrial sector



Project Name: ELECTRICAL AND SPECIAL PLANTS FOR NEW FERRERO PRODUCTION FACILITY - San José de Iturbide, Guanajuato, Mexico

Customer: CHUFANI / FERRERO **Year:** 2013

Description: Installation and connection of all electrical MV-LV systems related to FM power installation, lighting and general electric distribution (including electrical substations, grounding systems) . Were built, supplied and installed electrical panels of distribution and control/monitoring utilities for each department (laboratories, production areas, etc.).

Amount (€): 6.500.000 **Other data:** Installed Power 11.200kW - Plant 45.000 sqm - #23 AHU



Project Name: ELECTRICAL EQUIPMENT ON BOARD MACHINE IN FERRERO PLANT - Manisa, Turkey

Customer: Ferrero S.p.A. **Year :** 2013

Description: Supply and installation of electrical panels to power FAL, Pinguì and Nutella production lines in Ferrero Turkey plant

Amount (€): 2.100.000 **Other data:** 3000 utility points



Project Name: AUTOMATION TIC-TAC LINES#1-2-3 MIXING AND ON BOARD MACHINE - Brantford, Canada

Customer: FERRERO INGEGNERIA S.p.A. **Year:** 2005

Description: Realization of flavoring plants and automation TIC-TAC lines#1-2-3 mixing with his electrical panels including PLC and monitoring system, electrical design and realization of on board machine

Amount (€): 800.000 **Other data:** 1126 utility points

Gruppo Caraglio

References: industrial sector



Project Name: ELECTRICAL AND SPECIAL PLANTS FOR EXPANSION OF FERRERO PRODUCTION FACILITY AND NEW WAREHOUSE - Poços De Caldas, Brazil

Customer: FERRERO **Year:** 2013-2015

Description: Realization of electrical plants in Ferrero Brazil.

Realization of electrical substation MV-LV, distribution plant, lighting, power supply, electrical plants supporting air conditioning systems.

Amount (€): 4.000.000 **Other data:** Installed Power 4.800kW - Plant 21.000 sqm



Project Name: AUTOMATION SYSTEM FOR KINDER DELICE PREPARATION, STORAGE AND TECHNOLOGICAL SERVICES - San José de Iturbide, Guanajuato, Mexico

Customer: SIMIC / FERRERO **Year:** 2013

Description: Realization of automation on board machine for Kinder production and preparation line and storage, Kinder Delice technological services

Amount (€): 1.500.000,00 **Other data:** 1450 utility points



Project Name: ELECTRICAL INSTALLATIONS OF JAMBOL AND SLIVEN PLANTS

Customer: Miroglio Spa **Year :** 2006

Description: Realization of electrical plants with his related electrical distribution panel MV-LV, lighting, power distribution, thermal power plant, power substation, electrical distribution in offices, dry cleaner's, twisting and weaving cotton and wool

Amount (€): 1.900.000 **Other data:** 40.000 sqm - Installed Power 15.000kW

Gruppo Caraglio

References: tertiary sector



Project name: Soundport R&D Facility, Copenhagen (DK)

Customer: Soundport A/S **Year :** 2018 - ongoing

Description: Electrical works for the distribution of the electromotive force systems, special systems and lighting.

Amount (€): 8.200.000



Project Name : New metro stations of Copenhagen (DK)

Customer : Salini Impregilo /Bodino DK **Year:** 2018- ongoing

Description : Electrical lighting system of the common parts of the Copenhagen new metro stations

Amount (€): 3.200.000



Project name: Lighting of GSB Tunnel

Customer: Arnold AG **Year :** 2019

Description: Electrical connections and normal /emergency lighting for Gran San Bernardo Tunnel.

Gruppo Caraglio

References: tertiary sector



Project Name: VERTIGO BUILDING - Sofia Bulgaria

Customer: HYDROSTROY / CASA CHIC **Year :** 2010

Description: Electrical systems, BMS and special plant. Realization of business center by our Bulgarian company. Supply of material and engineering for the management of the order from Italy. Distribution, lighting, power supply, of 40 offices and 15 shops underground garage and realization of plant support for air conditioning, smoke detection, security system with CCTV, intrude alarm, access control. Realization of building management system with PLC technology

Amount (€): 6.500.000 **Other data:** 27.000 sqm - 21 floors - Installed Power 4.800kVA



Project Name: PERFORM BUILDING CENTER - Sofia Bulgaria

Customer: PERFORM REAL ESTATE **Year :** 2009

Description: Electrical systems, BMS and special plant. Realization of business center by our company bulgarian. Supply of material and engineering for the management of the order from Italy. Substation MV/LV, Distribution, lighting, power supply, of 7 floors of offices and shops, underground garage and realization of plant support for air conditioning, smoke detection, security system with CCTV, intrude alarm, access control. Realization of building management system with PLC technology

Amount (€): 3.800.000 **Other data:** 25.000 sqm - 12 floors - Installed Power 2.500kVA



Project Name: SOFIA AIRPORT CENTER - Sofia Bulgaria

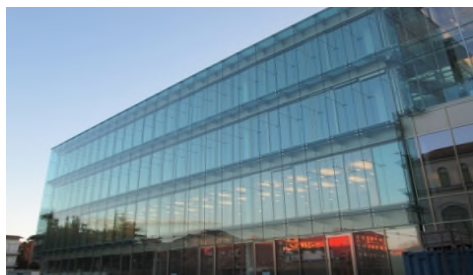
Customer: Cover/Tishman **Year :** 2009

Description: Electrical systems, BMS and special plant. Realization of business center by our Bulgarian company. Supply of material and engineering for the management of the order from Italy. Substation MV/LV, Distribution, lighting, power supply, of offices near the international airport of Sofia, underground garage and realization of plant support for air conditioning, smoke detection, security system with CCTV, intrude alarm, access control. Realization of building management system with PLC technology

Amount (€): 5.500.000 **Other data:** 25.000 sqm - Installed Power 3.200kVA

Gruppo Caraglio

References: tertiary sector



Project Name: EX FILANDA PELLISERI: EDIFICIO LINEARE - Alba Italy

Customer: Costruzioni Rava/Ferrero **Year :** 2011

Description: Electrical systems, BMS and special plant, for the realization of new management center Ferrero in Alba. Distribution, lighting, power supply, of 350 office workstations, underground garage and realization of plant support for air conditioning, smoke detection, brightness and presence adjustment, security system with CCTV, access control. Realization of building management system with PLC technology, integration with the following protocols: KNX, Modbus, DALI, MBus

Amount (€): 2.150.000 **Other data:** 15.000 sqmt



Project Name: SUPERMARKET

Customer: Dimar Group **Year :** 2014-2019

Description: Realization of electrical, various retail outlets, shopping centers.

Realization of: Substation MV/LV, distribution, lighting, power supply, electrical support for air conditioning, smoke detection plant. Brands (Famila, Mercatò, Cash & Carry, Catering, Big Store)

Amount (€): over 12.000.000



Project Name: SUPERMARKET

Customer: Dimar **Year :** 2006 - 2014

Description: Realization of electrical, various retail outlets, shopping centers.

Realization of: Substation MV/LV, distribution, lighting, power supply, electrical support for air conditioning, smoke detection plant. Brands (Famila, Mercatò, Cash & Carry, Catering, Maxisconto,)

Amount (€): over 8.000.000

Gruppo Caraglio

References: hydroelectric sector



Project Name: Realization and design of Salbertrand-Chiomonte-Susa Hydroelectric Plants
Customer: Iren Energia S.p.A. **Year :** 2018 - ongoing
Description: Supply, installation and commissioning of electrical power and automation systems for the requalification of hydroelectric plants. Revamping of the electrical substation.
Amount (€): 4.420.000



Project Name: Hydro Power Plant on Tusciano river (SA)
Customer: Iren Energia S.p.A. **Year :** 2017-2018
Description: Supply, intallation, testing and commissioning of hardware and software in place of the current automation system of the Tusciano hydroelectric unit, of its relative intake and load chamber.
Amount (€): 750.000



Project Name: Hydro Power Plant Belfiore
Customer: Andino Hydropower **Year:** 2015
Description: Design, supply and installation of MV electrical equipment for hydro power plant on Sava River
Amount (€): 615.000

Gruppo Caraglio

References: hydroelectric sector



Project Name: Execution of a turnkey hydro power plant – Santa Vittoria d’Alba (CN)

Customer: Tanaro Power S.p.A. **Year :** 2015

Description: Design, supply and installation of MV/LV electrical equipment and hydromechanical works for the hydro power plant "Santa Vittoria d'Alba", comprising the design, supply and installation of MV switchgears, LV, automation and control switchgears, controls and tests

Amount (€): 1.500.000



Project Name: REALIZATION AND DESIGN OF HYDROELECTRIC PLANT - Spinetta Marengo (AL), Italy

Customer: SPINETTA ENERGIA **Year :** 2012

Description: Engineering, procurement and construction of hydroelectric power plant run of the river low head scheme. Side derivation and immediately downstream. Were carried out civil works and construction, installation of inflatable device for jump increase, delivery and installation of turbines, generators, electrical and automation systems

Amount (€): 4.000.000

Other data: installed Power 900kW - Carrying Capacity 30 m³ – Net Head 3 m Installation of N. 2 Kaplan turbines



Project Name: REALIZATION AND DESIGN OF HYDROELECTRIC PLANT - Sordevolo (BI), Italy

Customer: G.D.M. srl **Year:** 2012

Description: Engineering, procurement and construction of hydroelectric power plant run of the river high head scheme. Construction of water taking point at high altitude and downstream conveying through penstock length 5Km. Were carried out civil works and construction, delivery and installation of turbines, generators, electrical and automation systems

Amount (€): 5.000.000

Other data: Installed Power 2,0 MW - Carrying Capacity 600 l/s – Net Head 430 m Installation of N. 2 PELTON turbines

Gruppo Caraglio

References: TLC sector



Project Name: POP OPF indoor

Client: Sertori S.p.A. **Year:** 2021 – ongoing

Description: Realization of electrical and mechanical systems for Open Fiber network site of Crema and Voghera (Italy).

Amount (€): 440.000



Project Name: MV / LV network of Vado Ligure - Savona port

Customer: Maersk - CEISIS **Year:** 2018-2019

Description: Construction of 6 MV / LV cabins in containers for electric power supply of the new commercial port of Vado Ligure - Savona

Amount (€): 1.500.000

Project Name: MV / LV network of Tangeri Port Maroc

Customer: CEISIS **Year:** 2019 ongoing

Description: Construction of 6 MV / LV cabins in containers for electric power supply of the new commercial port of Tangeri Maroc

Amount (€): 2.100.000



Project Name : Construction of plant and infrastructure works for site preparation

Customer : Open Fiber S.p.A. **Year:** 2017- ongoing

Description : Construction of plant and infrastructure works for site preparation. Realization of POP for the Open Fiber network in Shelters, commercial buildings or cabinets in CAV.

Amount (€): over 9.000.0000

Gruppo Caraglio

References: energy sector

HITACHI ABB

Project Name: Plants for the construction of 1 Compensator stall at the Foggia power station.

Client: ABB S.p.A **Year:** 2021 – ongoing

Description: Installation of 1 AT synchronous compensator and connection of electrical panels, FM and special lighting systems, electro-instrumental and MV / LV systems at the Terna Power Station in Foggia (FG).

Amount(€): 800.000

 **Terna**
Rete Elettrica Nazionale

Project Name: SPCC framework agreement

Client: Terna S.p.A. **Year:** 2021 – ongoing

Description: Supply and installation of "SPCC" command and control protection systems to be installed in HV / AAT electrical stations.

Amount(€): 3.000.000



Project Name: Framework contract for electromechanical assemblies for electrical stations of the Nord-West Territorial Directorate. Lot 2.

Client: Terna S.p.A. **Year:** 2020 – ongoing

Description: Realization of electromechanical assemblies for the HV substations.

Amount (€): 472.500

Gruppo Caraglio

References: energy sector



Project Name: Piossasco Station
Customer: Grid Solutions S.p.A. **Year :** 2018 – ongoing
Description: General electrical systems, technological systems for HVDC connection 2x600 MW \pm 320kV Italy / France - Piossasco power substation
Amount(€): oltre 4.000.000



Project Name: Protection and Control Panels
Customer : General Electric Grid Solutions **Year:** 2018 – ongoing
Descrizione : Construction of protection and control panels for high voltage connection between Italy and France.
Amount(€): 400.000



Project Name: GENERAL AND AUXILIARY ELECTRICAL PANELS FOR PIOSSASCO (TO) POWER STATION - Piossasco (TO), Italy
Customer: TERNA RETE ITALIA S.p.A **Year :** 2011
Description: Supply and installation of electrical plants for auxiliary services, general services and all technological plants. Is included all indoor and outdoor lighting
Amount (€): 1.000.000 **Other data:** 25.000 sqm - Installed Power 9.600kW

Gruppo Caraglio

References: energy sector



Project Name: PROTECTION COMMAND AND CONTROL SUPERVISION FOR TERNA ELECTRICITY TRANSMISSION GRID FROM 132Kv TO 400KV

Customer: Terna (*National Electricity Transmission Grid*) **Year:** 2015-2016

Description: Framework order regarding the supply and manufacture of Supervision Protection Control and Command boards for the Italian Electricity Transmission Grid

Amount (€): 2.000.000



Project Name: CONSTRUCTION OF COMPENSATING EQUIPMENT AND SUPPLY AND INSTALLATION OF AUXILIARY SERVICES AND MCC SWITCHGEARS - Codrongianos (SS), Italy

Customer: Abb S.p.A **Year :** 2014

Description: : Construction of two compensating equipments for the Terna Electrical Power Station of Codrongianos (SS) with supply and installation of Auxiliary Services and MCC switchgears.

Amount (€): 680.000



Project Name: MV/LV Switchgears for Water Treatment Plant Al Majer, Iraq

Customer: EUROMECC **Year:** 2011

Description: Supply of electrical equipment (transformers) and of LV/MV switchgears, MCC panels, automation panels, control and supervision software development for Al Majer Iraqi Water Treatment Plant

Amount (€): over 800.000

Gruppo Caraglio

References: energy sector



Project Name: District Heating Station of Alessandria (AL)

Customer: Telenergia S.r.l. **Year:** 2019 - ongoing

Description: Supply and installation of electrical systems, LV switchboards and transformers for the district heating plant serving the city of Alessandria (AL)

Amount (€): 1.425.000

Other data: thermal power installed 95MW, electric power 10MW



Project Name: ELECTRICAL AND MECHANICAL WORK FOR COGENERATION PLANT - Brantford, Canada

Customer: FERRERO CANADA **Year :** 2013

Description: Utility connections, permits, inspections, tests and systems verifications.

Demolition, relocation and removal of existing equipment and services required.

Delivery, receiving, inspection at time of delivery, unloading and hoisting of materials and equipment

Amount (€): 1.900.000 **Other data:** Installed Power 5MVA



Project Name: MARITZA ELECTRICAL POWER PLANTS MODERNIZATION

Customer: Enel and Contur Global **Year:** 2007- in corso

Description: Revamping of an electrical power plant with 4x250Mw groups, supply and installation of MV switchgears, LV switchgears, Power Center and Motor Control Center, Command and Control boards, Supervision and Auxiliary services boards, various kinds of electrical systems.

Amount (€): Over 5.000.000



www.gruppocaraglio.it

*Tel: +390173.447400
Fax: +39 0173.442158
E-mail: info@gruppocaraglio.it*
