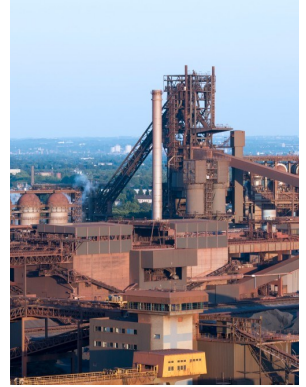


# EURO ENGINEERING

INDUSTRIAL PLANT s.r.l.



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## WHO WE ARE

Euro Engineering Industrial Plant S.r.l., our engineering and service company, was founded in 2000 in continuity with the company ELGEI S.r.L. who collaborated from 1980 to 2000 as technical support of General Contractor companies operating in Italian and international steel plants and as support company for the structural, electrical, mechanical, fluid and assembly assistance activities, we inherited experience and knowledge of the market.

Operating in the industrial design sector, we are placed on the market as a reality able to provide a series of services and professional advice to the needs of various industrial companies.

Since May 2010 we are certified (IAF: 34-35) in compliance with the ISO 9001: 2008 standards in order to guarantee a systematic and organic management of the project activities, maintaining certification with the ISO 9001:2015 (IAF: 34)



## WE WORK WITH

Our company concentrates its work in design, industrial engineering and detail engineering, technical consulting and assembly assistance (also "turnkey") in the field of industrial civil engineering and advanced tertiary, in close contact with the general company contractor



DANIELI FRÖHLING



Until now, our company's activities have been mainly carried out in favor of manufacturing industries in the steel and petrochemical sector (Arvedi, ADI, TATA, Nucor, ENI), in the advanced tertiary sector, in electricity production companies (ENEL, Edison), towards institutions and public bodies, as well as collaborating with private and public companies in tenders and for public tenders.

## WHAT WE DO

Thanks to diversified experiences and possible synergies with partner, associated and partner companies, we are able to offer complete help and support in the construction of new industrial plants and in the revamping and modernization of existing plants.

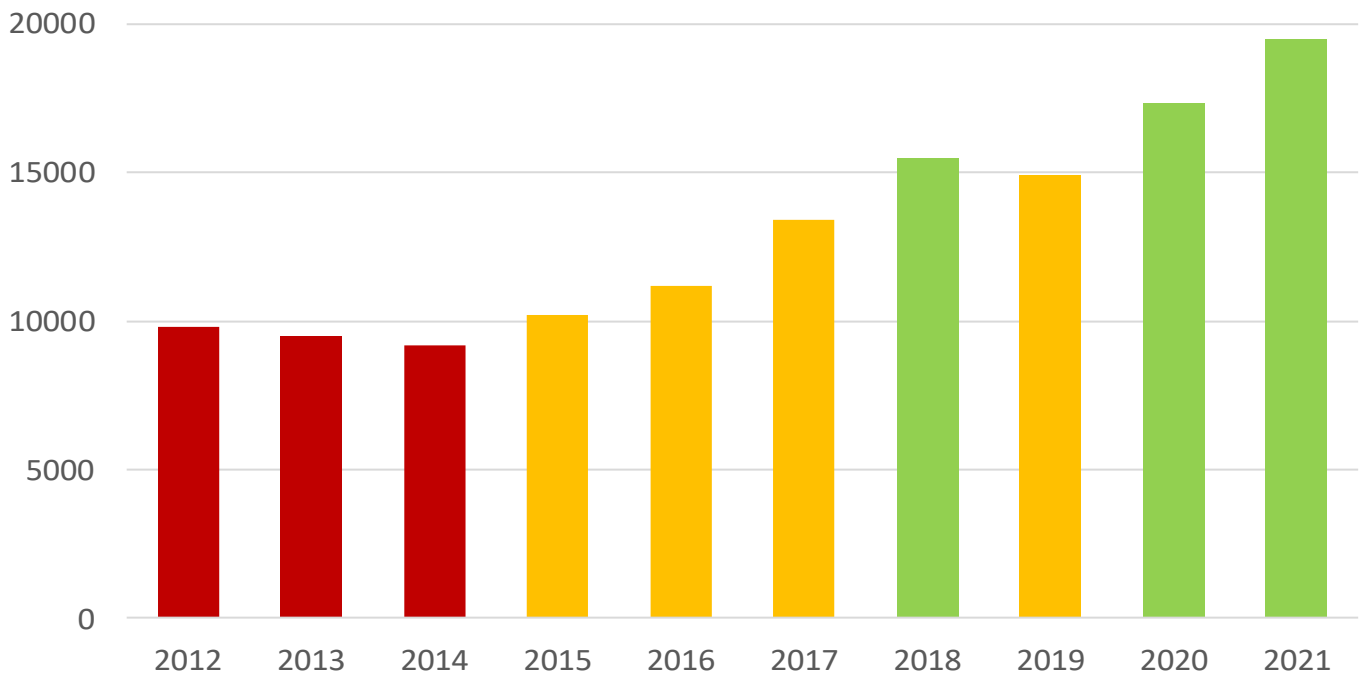
In the field of engineering, design and technical consulting we offer: coordination and supervision of works; industrial advice; assistance for industrial and civil assembly; EPC (expediting, procurement, construction); revamping and maintenance engineering; electrical measurements on systems for verification and testing; topographic measurement; study for the recovery of the existing building heritage; urban studies of small and large size related to new industrial, productive or residential settlements; feasibility studies for new industrial sites and for energy recovery; lighting design.

For "turnkey" service: industrial automation with initial analysis and choice of the optimal solution, supply of hardware and software suitable for use; design of centralized security systems with a technological control and supervision system; design of complete instrumentation systems with primary and secondary wiring; design of passive protection systems and ground systems; electrical and ground measurements and checks on plants with certification and the choice of solutions to be adapted to comply with current legislation; engineering, supply and assembly of fluid systems for service pipes; engineering, supply and assembly of special systems; engineering, supply and electrical assembly in medium and low voltage for public & private network and for emergency/security installations.

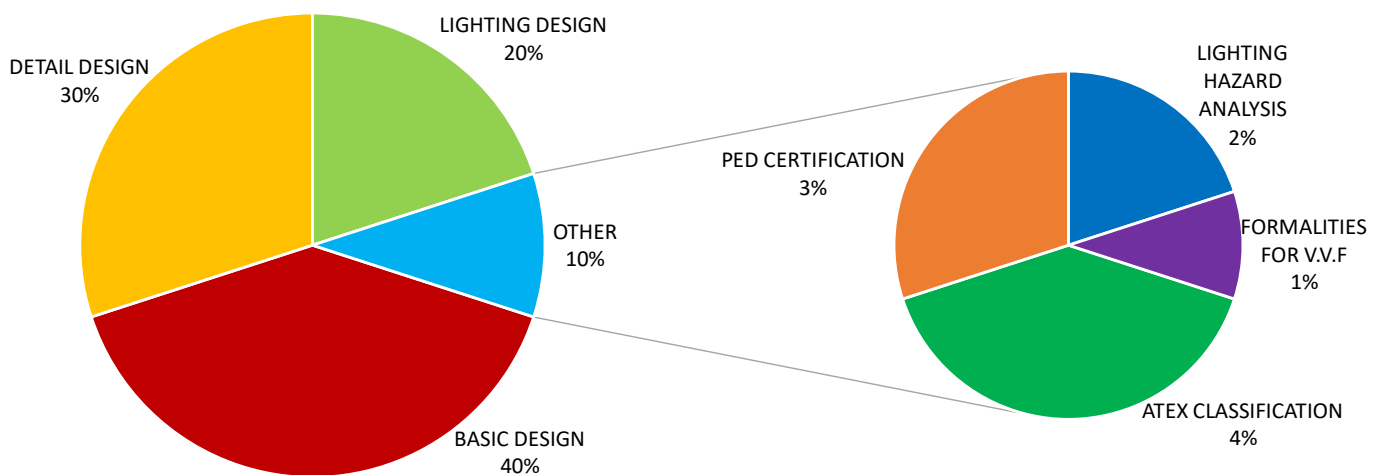
## HOW WE WORK

Thanks to the synergy between experience & innovation, to the investment in CapEx & OpEx and to multidisciplinary skills, we are able to provide a product that can be modeled on the customer's needs; this is translated in a continuous interfacing with our customer aiming to find the best solution.

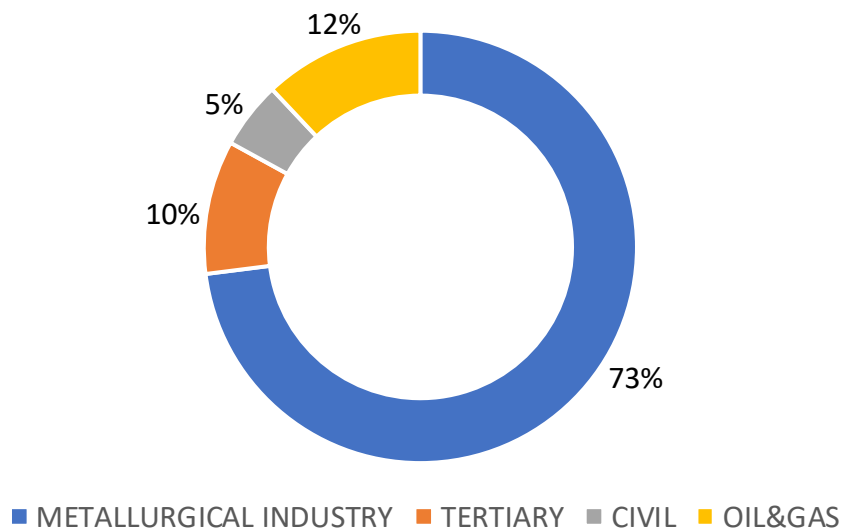
## PRODUCTION CAPACITY [hours/year]



## HOURS PER MACRO AREA



## HOURS PER SECTOR



## SIGNIFICANT REFERENCES

2002	Oxygen compressor: plant design, functional and safety for new 66kV riser for supply - ILVA (IT - Taranto) - Comes
2003	Power station: commissioning on field and safety electrical systems for "BOP Engineer" - Cernavodă (RO) - Ansaldo Nucleare
2006	Blast furnace: electrical engineering revamping of the SS electrosuppressive for AFO 5 to replacement of 10kV synchronous rotating groups with 10kV static groups - ILVA (IT - Taranto) - Siemens
2007	Blast furnace: electrical executive design for the lighting system for AFO 2 - ILVA (IT - Taranto) - Moditech
2007	Power plant: new lighting system for water treatment's building and revamping of the existing lighting system - ENEL POWER (IT - Torrevaldaliga Nord Civitavecchia)
2008	Oxygen battery: upgrading, adjustment and redistribution of loads on 10kV boards in SS/OSS for insertion XII oxygen battery - ILVA (IT - Taranto)
2008	Blast Furnace: study on "Fire Risk Analysis" AFO I - ILVA (IT - Taranto)
2009	Pharmaceutical plant: study, verification and technical report for the insertion of the repairing groups - SANOFI AVENTIS (IT - Brindisi) - Schneider
2010	Cold rolling mill plant: PED practice for heat recovery on line ovens Galvanization 2 LAF plant - ILVA (IT - Taranto)
2010	Coil annealing furnace: ATEX area classification on gas supply pipes to the EBNER - ILVA (IT - Taranto)
2011	Cold rolling mill plant: electrical engineering - MUBEA (DE) - Danieli Automation
2011	By-products area: preferred distribution system for the automation network - ILVA (IT - Taranto) - Siemens
2011	Offices: design of electrical and technological systems - VORWERK (IT - Naples)
2011	Hot dip galvanizing line: new galvanization line - ARVEDI (IT - Cremona) - Moditech-Milan
2012	Chimneys battery area: A.I.A. Monitoring and control of smoke emissions - ILVA (IT - Taranto) - Siemens
2012	Grinding machines: engineering for the installation of COB4/COB5 - ILVA (IT - Taranto) - Danieli Automation
2012	Galvanization plant: ATEX area classification - ILVA (IT - Cornigliano) - SMS
2013	Secondary fumes suction plant: electrical planning for AGL 2 Lines D/E - ILVA (IT - Taranto) - Siemens-
2013	Aluminum Hot Rolling Plant: electrical design - AMAG (AT) - Danieli Automation
2013	Electric wind turbine painting station: design and D.T. on Ex-d - VESTAS (IT - Taranto)
2013	Thermoelectric plant: design for the upgrading of the CET SS with insertion of N.2 Trafo 66kV/33MVA - ILVA (IT - Taranto) - Casagrande
2013	Limestone transport belts: design for the functional adaptation to A.I.A. - ILVA (IT - Taranto) - Group Service
2014	Oven furnaces area: monitoring and control of fumes emissions from chimneys for A.I.A. - ILVA (IT - Taranto) - Siemens
2014	Restructuring industrial factory: design and D.T. for I. A. - ENERGY GROUP (IT - Taranto)
2014	Ash treatment plant: design of electromechanical works - AMIU (IT - Taranto)
2015	Cold milling plant: design of gas detection system for Ebner Annealing Furnaces LAF Plant - ILVA (IT - Taranto)
2015	Coke oven plant: classification of hazardous areas ATEX for battery I0 - ILVA (IT - Taranto) - Concord-A
2016	Thermoelectric plant: modernization of equipment 66/10 / 3kV CET2 - ILVA (IT - Taranto) - Comes Group
2016	Petrol refinery plant: design for new LV Electric Distribution Cabin - ENI (IT - Taranto)

## SIGNIFICANT REFERENCES

2017	Thermoelectric plant: protection and command for LV switchboard's retrofit 10kV CET 2 - ARCEROL MITTAL (IT - Taranto) - Comes
2017	Thermoelectric plant: electromagnetic compatibility study for 66kV distribution CET 2 - ARCEROL MITTAL (IT - Taranto) - Casagrande
2017	Pulverized Coal Injection (PCI) plant: normal and emergency lighting system ARCEROL MITTAL (IT - Taranto) - Moditech
2017	Hot Deep Galvanizing Line (HDGL) plant: revamping of the existing line's technological system - IJMUIDEN (NL) - Moditech
2018	Cement factory: new technological an lighting system - HANSON CEMENT PADESWOOD (UK) - Moditech
2018	Plate mill plant: basic electrical design and Table of Cable for plant's revamping - JSW (US) - Danieli Automation
2018	Rolling mill plant: electrocivil design and study on site - ARCEROL MITTAL Kryvyj Rih (UA) - Danieli (Dnipro)
2018	Rolling mill plant: complete electrical design for technological system's revamping - AREQUIPA (PE) - Danieli Automation
2019	Rolling mill for wire rod and Water Treatment Plant (WTP): complete electrical design for new technological system and engineering of automation switchboards with Eplan - ABS (IT) - Danieli Automation & Construction
2019	Hopper system: design of LV electrical system and lighting system - ARCEROL MITTAL (IT - Taranto) - Modomec
2019	DeNox system: design of lighting system - ENDESA As Pontes (ES) - Moditech
2019	Oil refinery plant: design of surge arrest system - (IT - Taranto) - ENI
2020	Plate mill plant: basic electrical design and Table of Cable for plant's revamping - ALGOMA STEEL (CA) - Danieli Automation
2020	Hot Deep Galvanizing Line (HDGL) plant: documentation's drafting for PED certification - ARCEROL MITTAL I - SMS INNSE
2020	Steel making plant: design of the Integrated Automation System (IAS) - BUTIA (IR) - Danieli Construction
2020	Plate mill plant: design and supply of lighting switchboard for control pulpits - JSW (US) - Tecnoacustica
2020	Wire Rod Line plant: complete electrical design for new plant's technological system - SEVERSTAL (RU) - Danieli Automation
2020	Rolling mill plant: calculation and report with Ampere for MV and LV system - SEIXAL (PT) - Danieli Construction
2021	Spooler line plant: design of Single Line Diagram and of Low Voltage Distribution switchboard - TAGIL (RU) - Danieli Automation
2021	Plate mill plant: design and supply of lighting switchboard for control pulpits - DANIELI CENTRO RECYCLING (IT) - Tecnoacustica
2021	Sinter plant: design of lighting system for new MEROS filters - ACCIAIERIE D'ITALIA (IT) - Moditech for Primetals
2022	Blast furnace: design of normal and emergency lighting system for AFO 2 - ACCIAIERIE D'ITALIA (IT) - Moditech
2022	Plate mill plant: design and supply of lighting switchboard for control pulpits - DANIELI UK HOLDING - Tecnoacustica
2022	Thermoelectric plant: design of lighting system for new DeNox systems - ACCIAIERIE D'ITALIA (IT) - Moditech for Primetals
2022	Cold complex plant: basic electrical design and Table of Cable for new plant - NUCOR (US) - Danieli Automation
2022	Steel making plant: design of new technological system with survey on field - ALGOMA (CA) - Danieli Automation