



 **BP** s.r.l.

 **Unione Industriale Biellese** 

**PROGETTAZIONE E COSTRUZIONE
IMPIANTI ED AUTOMATISMI INDUSTRIALI**

43
ESIMO
ANNO DI ATTIVITÀ

THE COMPANY

BP Automation is a company that has been building industrial plants for more than forty-three years. Thanks to the experience gained, you can rely on new projects, complete maintenance services, overhauls, and adjustments to current regulations in various industrial sectors.

We are available to analyze your needs and propose our solutions, developing tailor-made projects to make your machining processes more efficient.

We are a team with different specializations, the competence and professionalism of our people represent the true corporate assets.

Together we coordinate to contribute to the solution of your problems.

We are aware of our means, we propose ourselves as partners, to establish a relationship of trust.



**Via Avv. Ferdinando
Rondolino, 55
(UFFICI)
13881 Cavaglià (BI)**

**Via A. Abate
Machieraldo, 13
(OFFICINA)
13881 Cavaglià (BI)**

SERVICES AND CUSTOMERS



BP Automation specializes in the design, construction and maintenance of industrial plants.

DESIGN

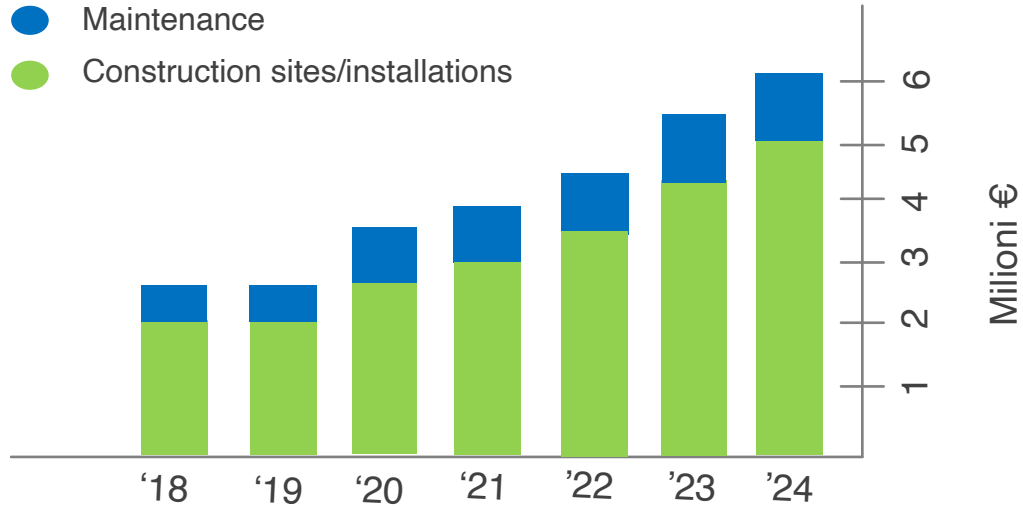
The highly trained staff is able to provide complete projects and solutions for new plants, as well as plan and define improvements for existing plants.

CONSTRUCTION

Supported by an internal workshop equipped with all the necessary technical equipment, BP guarantees the construction of plants or part of them in total autonomy, satisfying every need.

MAINTENANCE

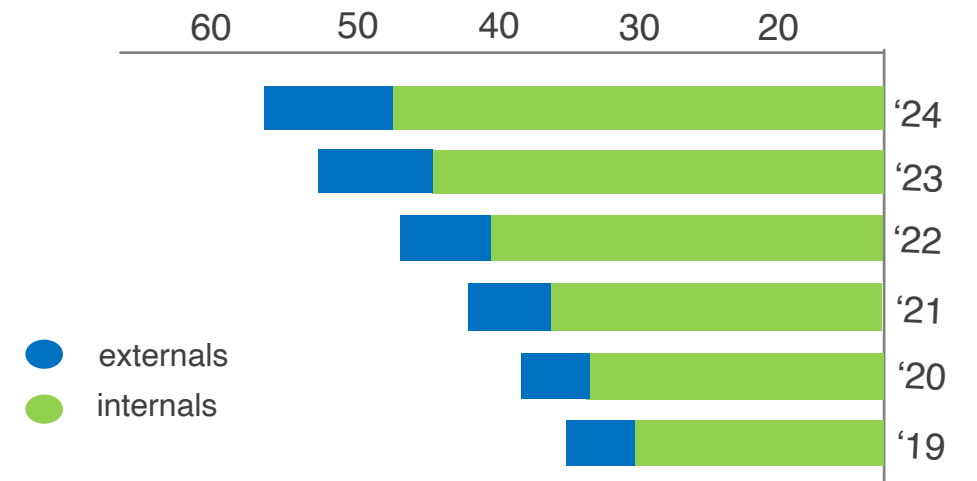
We deal with both ordinary, extraordinary and scheduled maintenance in the shutdowns of the lifts (summer and winter), providing our customers with our own vehicles and qualified personnel



TURNOVER DIVISIONS



SPACES PEOPLE



SPECIALIZATION - OVENS

HEAT TREATMENT FURNACES (carburizing, nitriding, quenching and tempering, sintering) in atmosphere and vacuum

Installation of new plants, handling, assembly and construction of equipment, heating and control systems for carburizing and quenching furnaces. Design and construction of electric preheating and tempering furnaces. Scheduled maintenance on heat treatment furnaces with gas or electric heating.

CONTINUOUS FURNACES (annealing lines, continuous quenching and tempering)

Controlled atmosphere mechanical overhaul, renovation of combustion plants and programmable movement logic. Renovation of the cementing atmosphere control system.

SMELTING PLANTS (VIDP, VIM, VAR, ESR)

Installation of new systems, handling, assembly and construction

ENDOGENS GENERATORS

Mechanical and electrical/instrumental overhaul of endogas generators for cementification atmosphere. Reconstruction of combustion systems and programmable management logic. Automated endgas process management

Software di gestione
per generatore endogas

Management software
for endogas generator



Generatore endogas revisionato
per trattamento termico
di cementazione

Overhauled endogas
generator for cementing
treatment



SPECIALIZATION – MACHINERY AND AUTOMATION

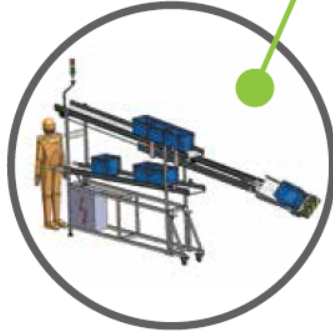
Esempio Sicurezza
movimento con LASER
Scanner Certificato SIL 3

*Example of movement Safety
with SIL 3 certified
LASER Scanner*



Rulliere per trasferimento pallet
con garcon per linee
di assemblaggio automatico

*Roller conveyors for pallet
transfer with Garcon
for automatic assembly lines*



Mechanical and electrical design

PLC programming, HMI, software development

Assembly and installation of systems

Transfer, retrofit, certification and regulatory adaptation of
production plants

Design and construction of electrical panels

Ordinary and extraordinary maintenance

Training, Education and Emergency Response

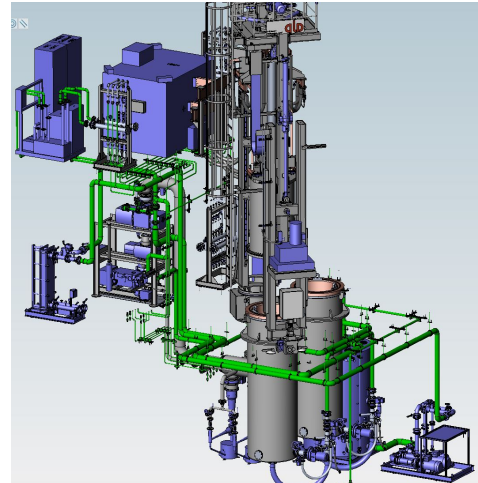
Material interlocking systems (roller conveyors, rotary tables,
linear gantries)

Installation of sensors and controls for industry 4.0

MAIN REFERENCES

HEAT TREATMENTS AND METALLURGY

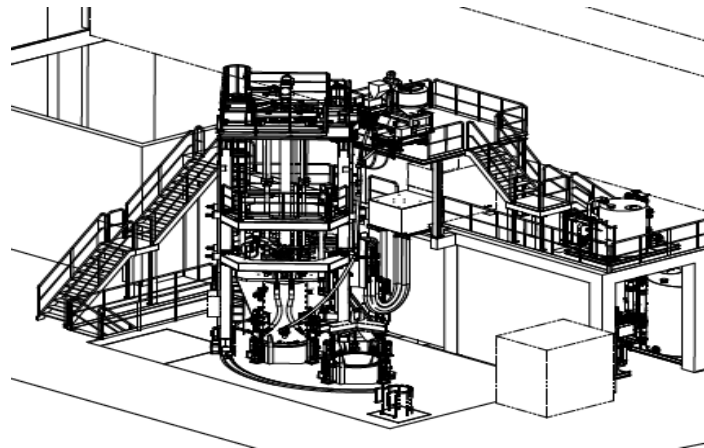
Location	CANNETO SULL' OGLIO Provincia di Mantova – Italia
Aim of the project	Installation of two VAR vacuum arc reflow furnaces
Services	Electrical installations, Plumbing installations, Construction of ancillary structures Mechanical installations, Start-up and testing support
Data	2024 – in corso



Location	Ungheria
Aim of the project	Post-curing curing chamber
Services	Disassembly, transport and reassembly Electrical installations, Hydraulic installations Mechanical installations, Start-up and testing support
Data	Dicembre 2023 – Febbraio 2024

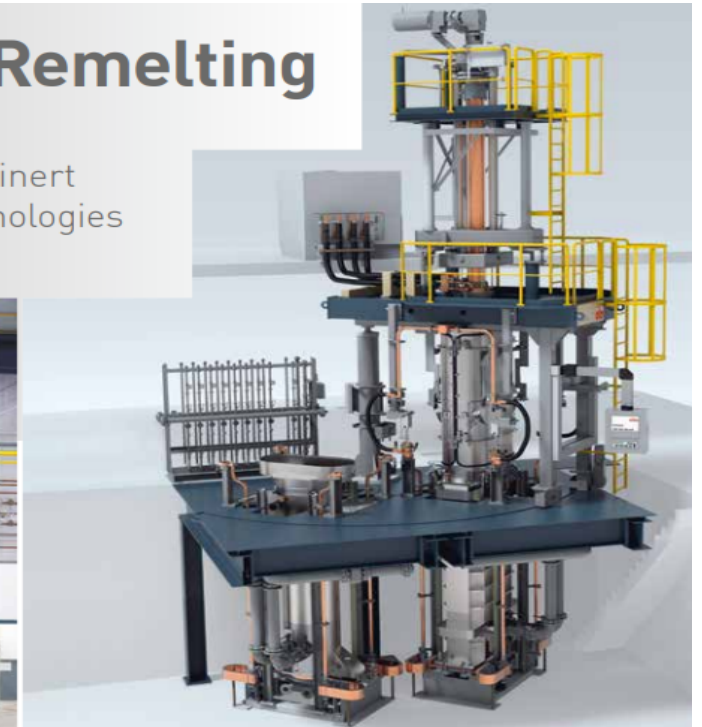


Location	COGNE Valle d' Aosta (AO)
Aim of the project	Installation of electric vacuum reflow oven
Services	Disassembly, transport and reassembly Electrical installations, Hydraulic installations Mechanical installations, Start-up and testing support
Data	2023 – 2024

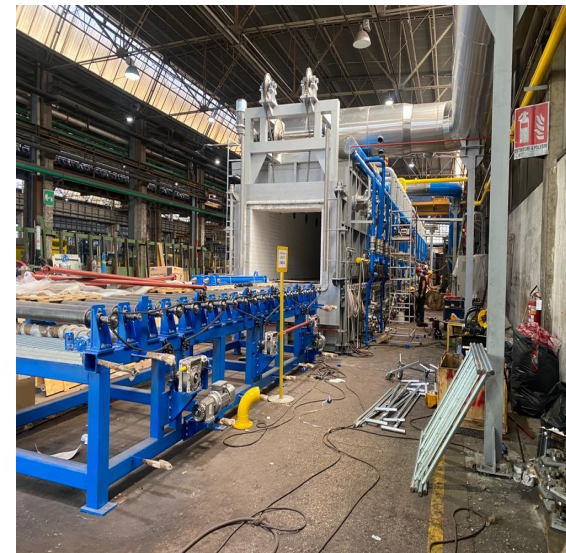


Electro Slag Remelting

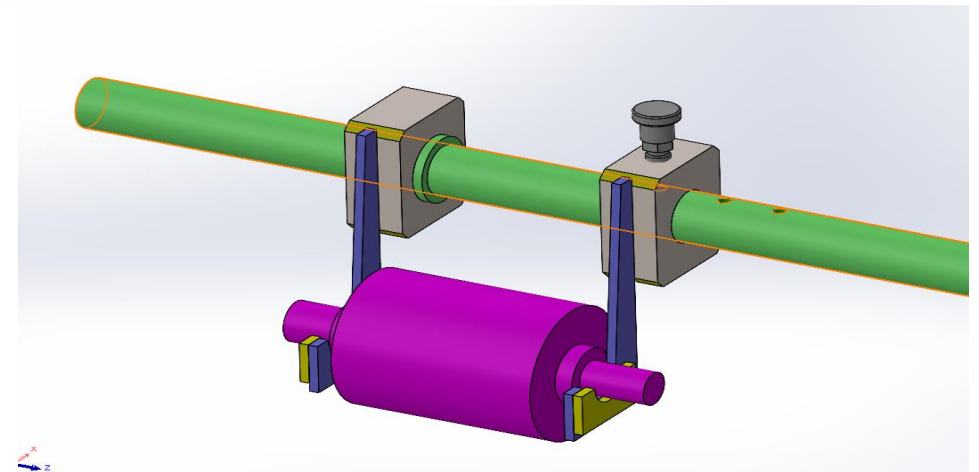
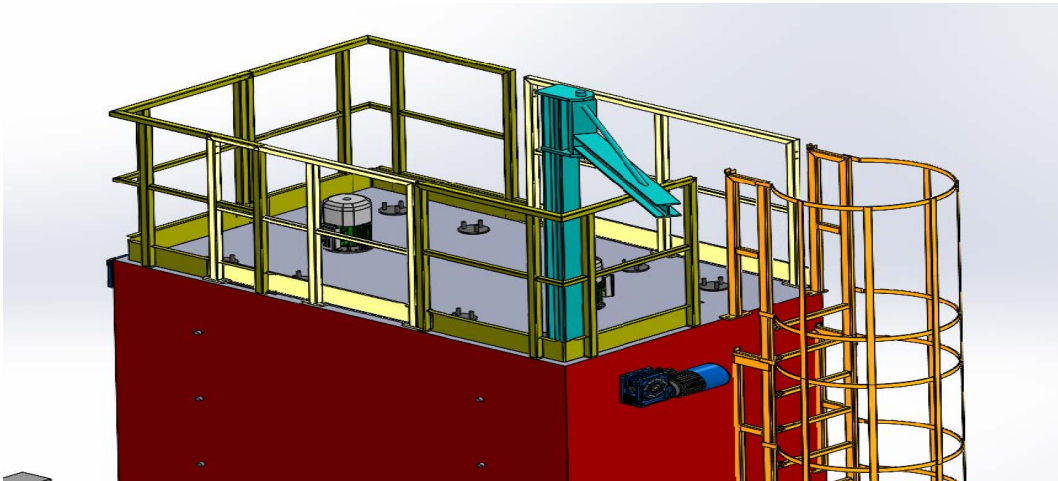
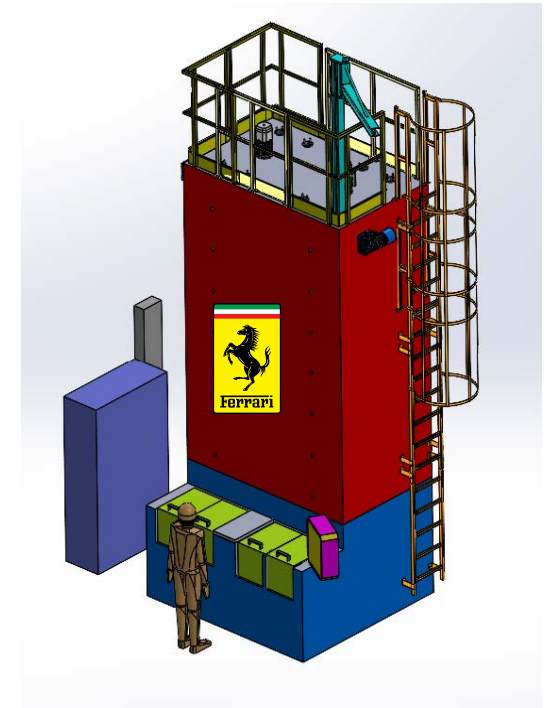
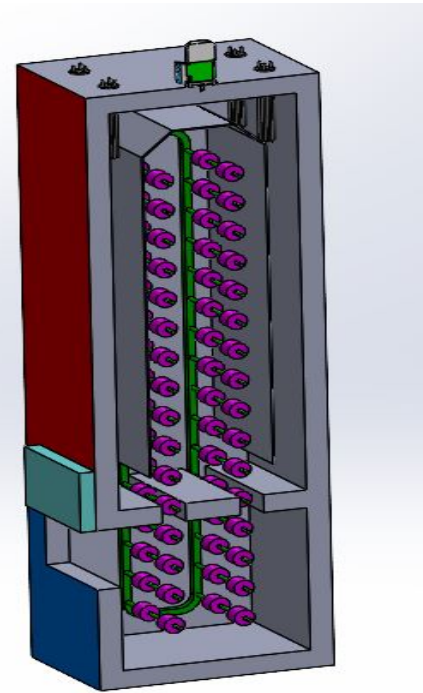
ALD is one of the leading suppliers of vacuum and inert gas melting furnace technologies for engineered metals.



Location	Acciaieria in Vicenza Nord Italia
Aim of the project	Replacement of the heat treatment furnace line
Services	Dismantling of the existing furnace; Assembly of the new heat treatment furnace line; Commissioning.
Data	2023



Location	MARANELLO Provincia di Modena - Italy
Aim of the project	Design and Construction of the VERTICAL Oven annealing for electric rotors. A RARE EXAMPLE OF ENERGY AND SPACE EFFICIENCY.
Services	Project; Construction and assembly of the oven; Electromechanical and aggregate installations; commissioning and testing at the end customer;
Data	2023/2024



Location	RENNES – Francia
Aim of the project	Revamping of the Villejean waste-to-energy plant
Services	Preparation and assembly of pipes and aggregates, On-site installation.
Data	2022

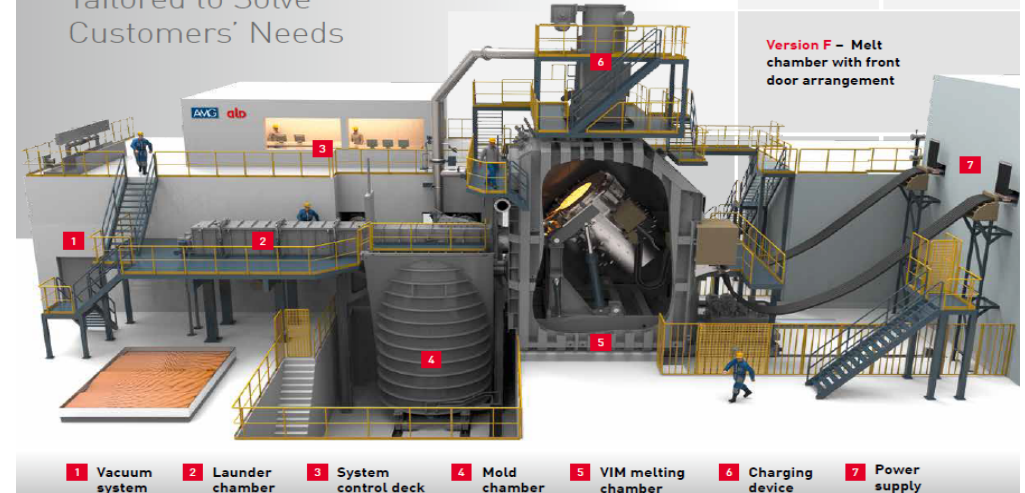


Location	CANNETO SULL'OGGIO Provincia di Mantova – Italia
Aim of the project	VIDP Vacuum Fuser Furnace Installation
Services	Electrical installations, Hydraulic installation, Design, construction and installation of accessory carpentry Mechanical installations, Start-up and testing support
Data	2021 – 2022



VIM Concepts

Tailored to Solve
Customers' Needs



Location	COLICO Valtellina provincia di Sondrio - Italia
Aim of the project	Retrofit 6,000 ton forging press
Services	DISMANTLING; Electrical installations, Mechanical installations, Start-up and testing support
Data	2021 – 2022



Location	COGNE Valle d'Aosta - Italia
Aim of the project	Installation of VAR Vacuum Arc Reflow Furnace
Services	Electrical installations, Plumbing installations, Construction of ancillary structures Mechanical installations, Start-up and testing support
Data	2020 - 2021



Location	BRUNICO Provincia di Bolzano - Italia
Aim of the project	Installation of heat treatment systems (SyncroTherm and ModulTherm) for automotive components
Services	Electrical installations, Mechanical installations, Start-up and testing support
Data	2019 – 2020



Location	RONCADELLE Provincia di Brescia – Italia
Aim of the project	Installation of Heat Treatment Systems (SyncroTherm) for Components
Services	Electrical installations, Mechanical installations, Start-up and testing support
Data	2018



Location	NONANTOLA Provincia di Modena- Italia
Aim of the project	Installation of Heat Treatment Systems (SyncroTherm) for Components
Services	Electrical installations, Mechanical installations, Start-up and testing support
Data	2018



Location	ANZOLA DELL' EMILIA Provincia di Bologna- Italia
Aim of the project	Installation of heat treatment systems (ModulTherm)
Services	Electrical installations, Hydraulic installations Mechanical installations, Start-up and testing support
Data	2017 - 2018



Location	SAINT ETIENNE– Francia
Aim of the project	Transfer Heat Treatment Line Aichelin Safed
Services	Disassembly, transport and reassembly Electrical installations, Hydraulic installations Mechanical installations, Start-up and testing support
Data	2015 - 2016



Location	VERRONE Provincia di Biella – Italia
Aim of the project	Installation of heat treatment systems (ModulTherm)
Services	Electrical installations, Hydraulic installations Mechanical installations, Start-up and testing support
Data	2008 – 2009



Location	FCA TERMOLI Provincia di Campobasso – Italia
Aim of the project	Renewal of continuous plants for heat treatments (carburizing and hardening)
Services	Electrical installations, Hydraulic installations Mechanical installations, Start-up and testing support
Data	2012 - 2013



Location	Provincia di Torino – Italia
Aim of the project	Renewal of endothermic gas generators
Services	Electrical installations, Hydraulic installations Mechanical installations, Start-up and testing support
Data	2012



Location	FCA TERMOLI Provincia di Campobasso - Italia
Aim of the project	Installation of heat treatment systems (ModulTherm)
Services	Electrical installations, Hydraulic installations Mechanical installations, Start-up and testing support
Data	2011 - 2012



Location	TRUCCAZANO/ MONFALCONE Provincia di Gorizia – Italia
Aim of the project	Transfer of two "Aichelin" heat treatment lines
Services	Disassembly, transport and reassembly Electrical installations, Hydraulic installations Mechanical installations, Start-up and testing support
Data	2010 - 2011



Location	FCA TERMOLI Provincia di Campobasso - Italia
Aim of the project	Assembly of «ALD» lines Design, construction and installation of the tempering furnace
Services	Design and construction of the furnace and automatic loading systems Mechanical installations Electrical installations Start-up and production support
Data	2011

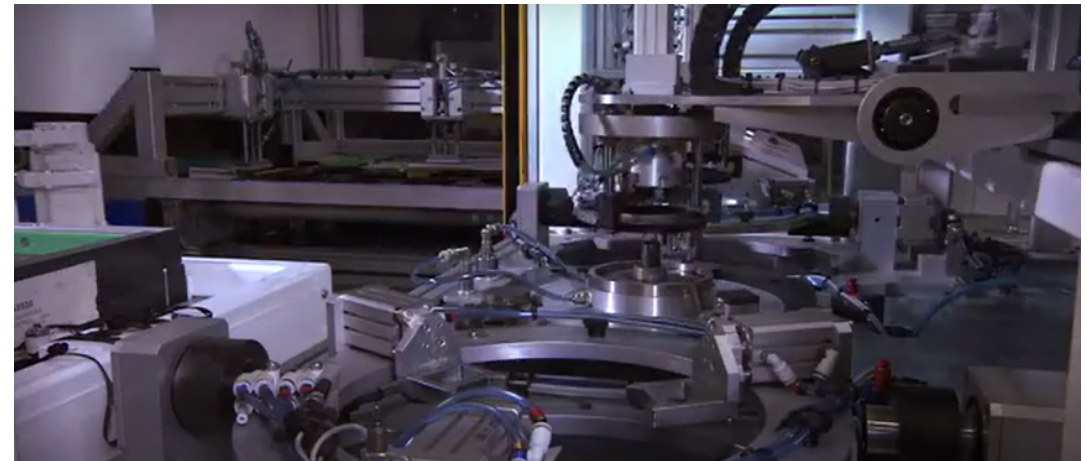


Location	Gruppo FIAT Cordoba - Argentina
Aim of the project	Transfer of a Continuous Furnace for Heat Treatment from Verrone to Cordoba Argentina.
Services	OVERHAUL, Disassembly, packaging and transport Mechanical installations Electrical installations Start-up and testing support Technical support
Data	2010 - 2011

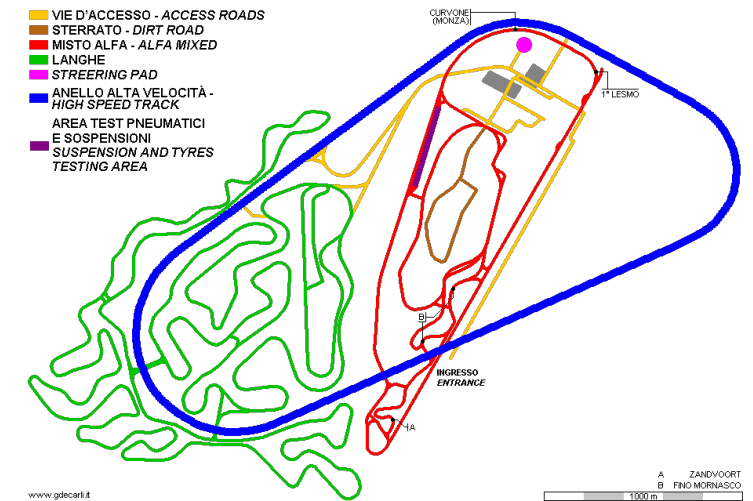


MAINTENANCE

Location	Chivasso (TO) – Italia
Cliente	Federal Mogul (Gruppo Tenneco)
Aim of the project	Facility Management and On-call maintenance
Services	Supervision and emergency intervention on automatic handling (material handling), production systems
Data	2022 – in corso



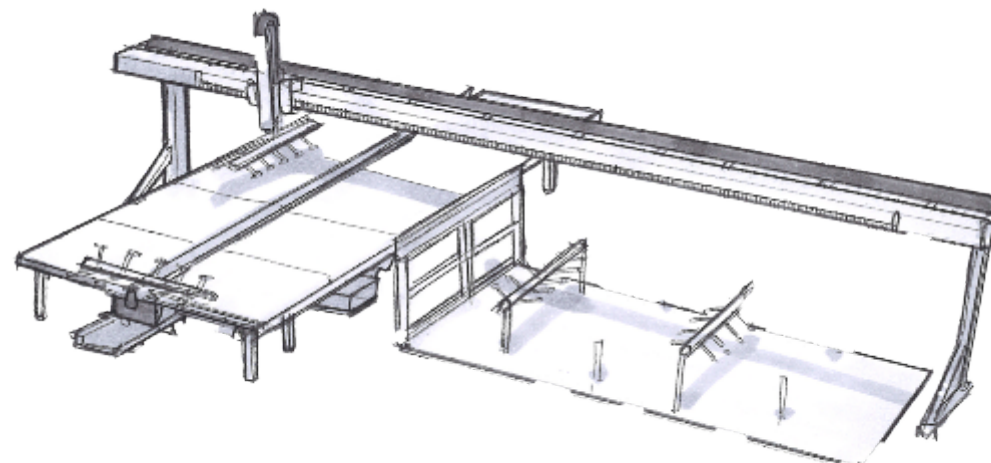
Location	Balocco (VC) – Italia
Cliente	FCA (STELLANTIS)
Aim of the project	Facility Management and on-call maintenance
Services	Supervision, scheduled maintenance and emergency intervention of general and specific thermofluidic and mechanical systems annexed and/or installed in the various buildings and infrastructures of the area.
Data	2021 – in corso



Location	Graglia (BI) - Italia
Cliente	LAURETANA S.p.A.
Aim of the project	Facility Management and on-call maintenance
Services	24/6 monitoring and emergency intervention on automatic handling (material handling), production and washing systems
Data	2019 – in corso



Location	Biandrate (NO) - Italia
Cliente	ESSELUNGA S.p.A.
Aim of the project	Installation of packaging area for GUDEL hereinafter Facility Management and on-call maintenance
Services	24/7 supervision and emergency intervention on automatic handling (material handling), production and washing systems
Data	2018 – in corso



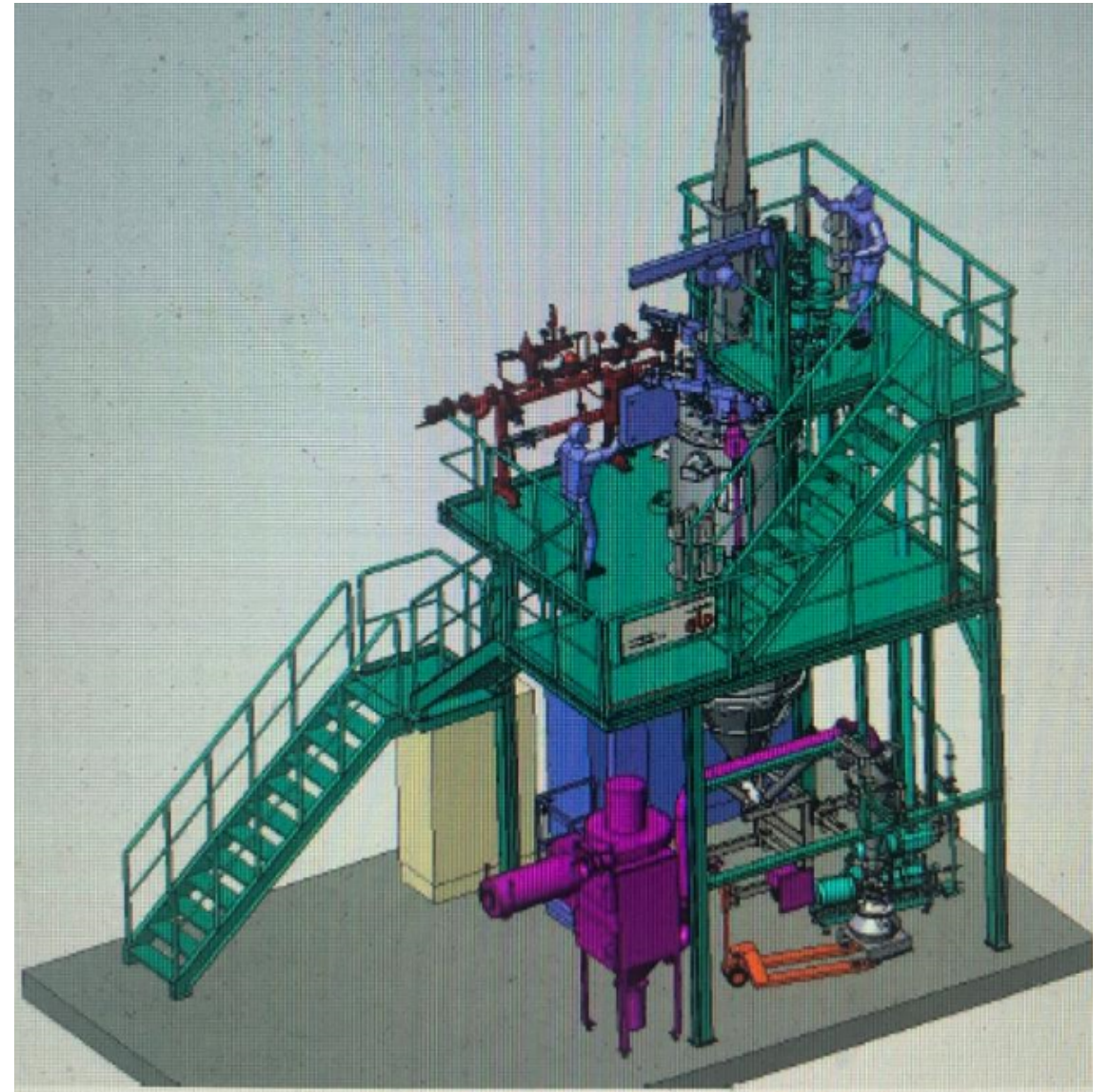
Location	Torino (TO) – Italia
Cliente	CNH (FPT INDUSTRIAL)
Aim of the project	Facility Management and On-call maintenance
Services	Supervision and emergency intervention on automatic handling (material handling), production, heat treatment and washing systems
Data	2012 – 2024



Location	Bagnolo Mella Provincia di Brescia – Italia
Aim of the project	Overhaul and maintenance of the hammering machine
Services	Overhaul and complete mechanical and hydraulic maintenance.
Data	2024



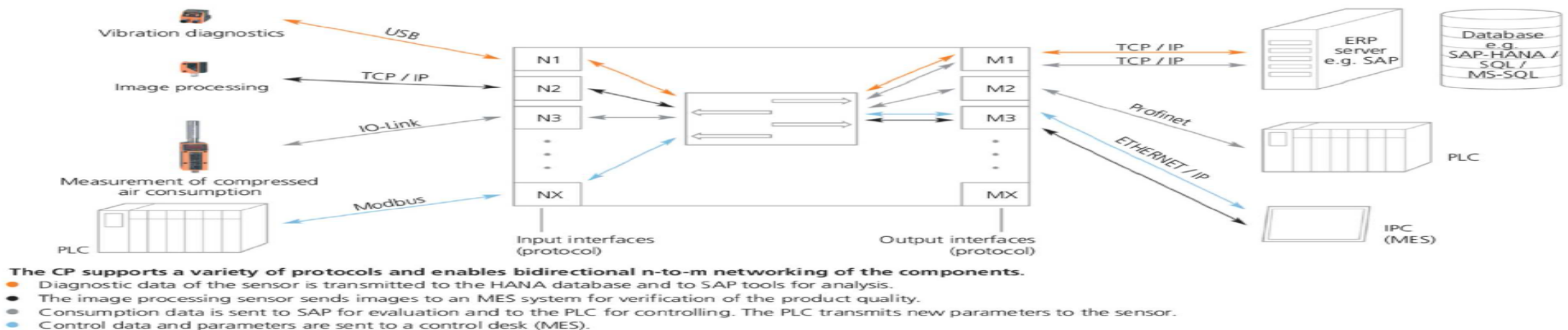
Location	Provincia di Terni – Italia
Aim of the project	Maintenance Melting furnace for powder production Metal; Usage: 3D printers.
Services	Overhaul and complete mechanical maintenance.
Data	2023



Location	FCA; IVECO; LINDT; – Italia
Aim of the project	Implementation of sensors and scada for predictive maintenance management with a view to: "Industry 4.0"
Services	Application of IFM sensors for vibration control; physical quantity analyzers (temperatures, pressures) Connections for data collection on the management system.
Data	2022



Visione del presente...verso il futuro!

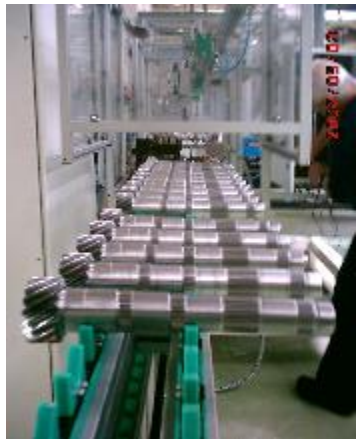


Location	FCA Verrone Provincia di Biella – Italia
Aim of the project	Overhaul and maintenance of HOLCROFT Continuous Carburizing / Quenching Furnaces
Services	Mechanical and electrical maintenance of furnaces Maintenance and renovation of the internal insulation of the furnaces Maintenance of the heating and smoke emission system
Data	2011



MACHINERY AND AUTOMATION SYSTEMS

Location	FCA Verrone Provincia di Biella – Italia
Aim of the project	Retooling transmission assembly line
Services	Mechanical installations Electrical installations Starter support
Data	2020 - 2021



Location	DENSO Poirino Provincia di Torino– Italia
Aim of the project	Automatic loading system for car air conditioners
Services	Design and production Installation and testing Production support
Data	2019



Location	FCA Mirafiori Provincia di Torino – Italia
Aim of the project	Positioning and installation of Grob machining centers
Services	Mechanical installations Electrical installations
Data	2019



Location	IVECO FPT Provincia di Torino – Italia
Aim of the project	Installation of gantry, roller conveyors and robotic cell in collaboration with PARI.
Services	Design and production of service and maintenance platforms Plant installation
Data	2018 - 2019



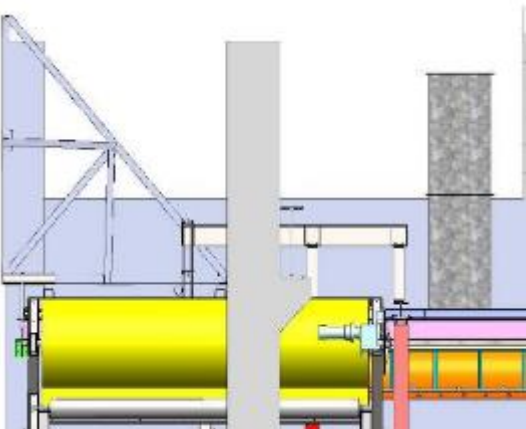
Location	Bultmann X ALMAG Provincia di Brescia – Italia
Aim of the project	New drawing line for brass bars
Services	Mechanical installations Electrical installations
Data	2018



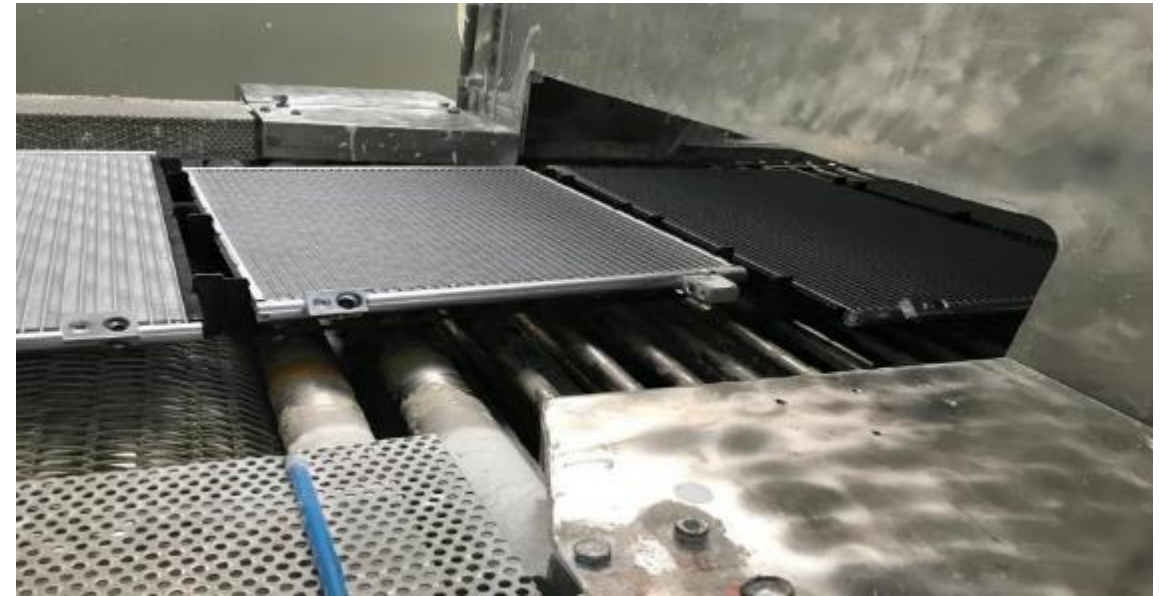
Location	Poirino Provincia di Torino – Italia
Aim of the project	Production and installation of safety gates for loading bays
Services	Design and production Installation
Data	2018



Location	AZIMUT Provincia di Savona – Italia
Aim of the project	New painting plant for shipyard
Services	Design and production Construction of the structure Electrical and HVAC installation Testing and start-up
Data	2018



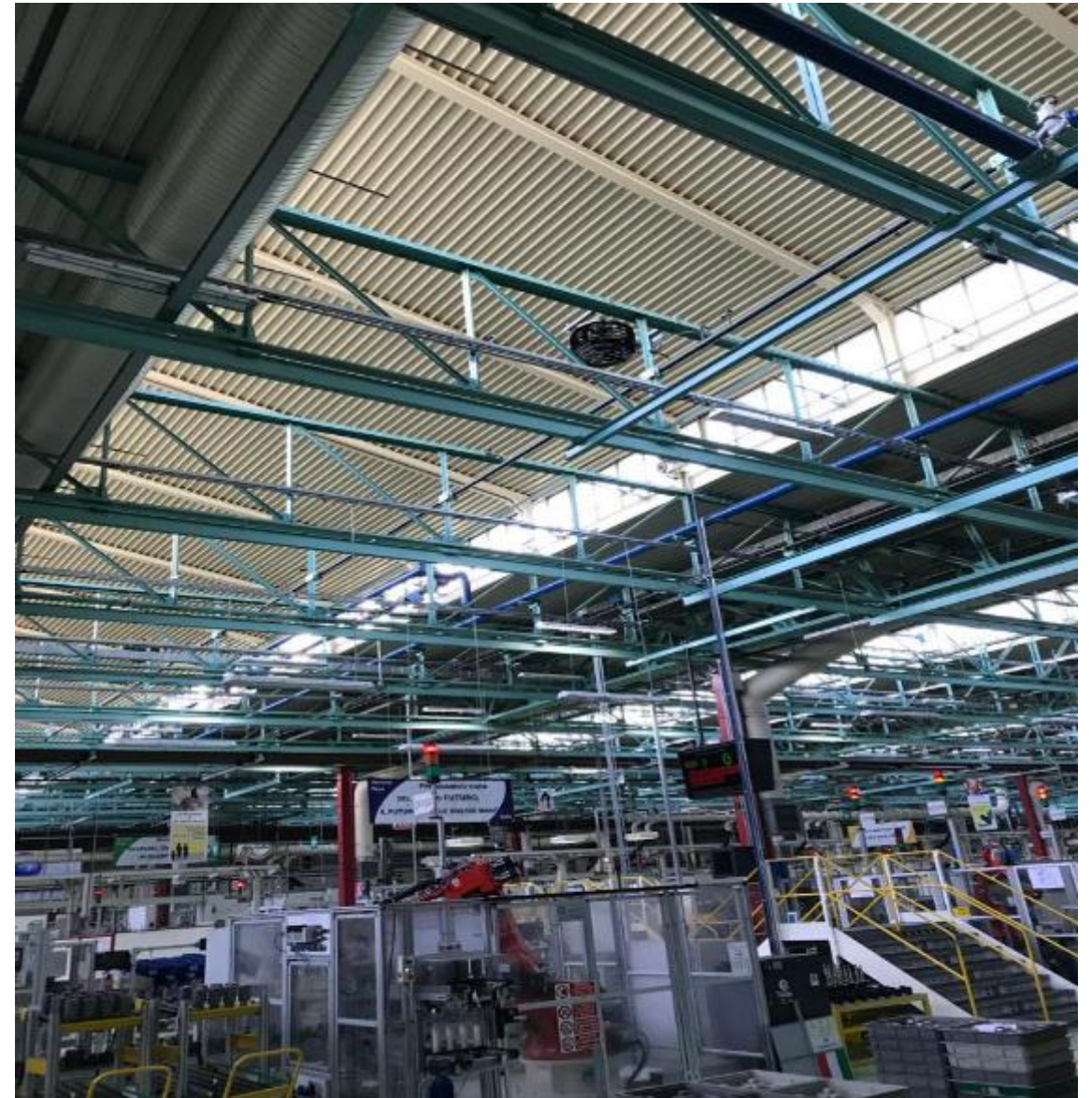
Location	DENSO Poirino Provincia di Torino– Italia
Aim of the project	New automatic sealant application system
Services	Plant design and construction Installation Production support
Data	2018



Location	AZIMUT Avigliana Provincia di Torino – Italia
Aim of the project	New post-curing plant for the shipyard sector
Services	Design and manufacture of structures Structure assembly Electrical and HVAC installation Start-up and testing
Data	2017



Location	FCA Verrone Provincia di Biella – Italia
Aim of the project	Installation of destratifiers for air mixing, With a view to energy efficiency. Our project later applied throughout the FCA and IVECO group.
Services	Mechanical installations Electrical installations Start-up support
Data	2016 - 2017



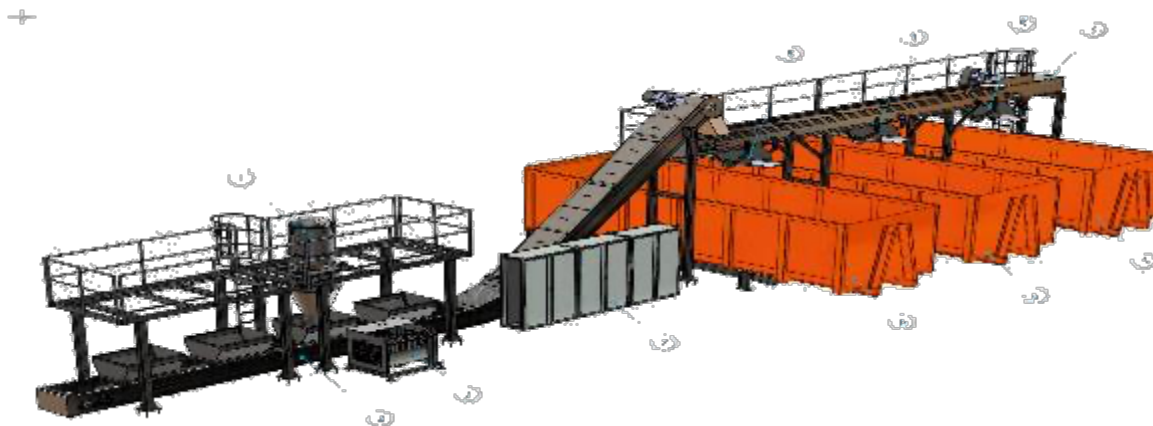
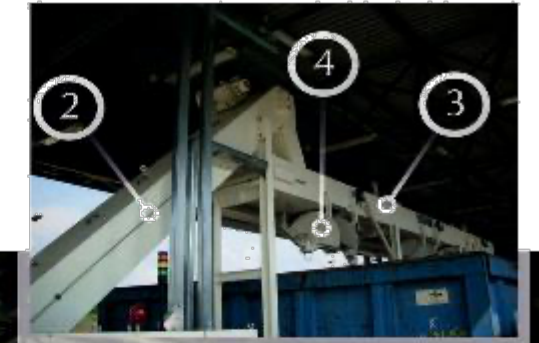
Location	GRUPPO FCA VM Cento (FE) e Verrone (BI) – Italia
Aim of the project	Assembly line automation system
Services	Design, construction and installation of motorized roller conveyor interlocking systems; Interfacing and production support.
Data	2016



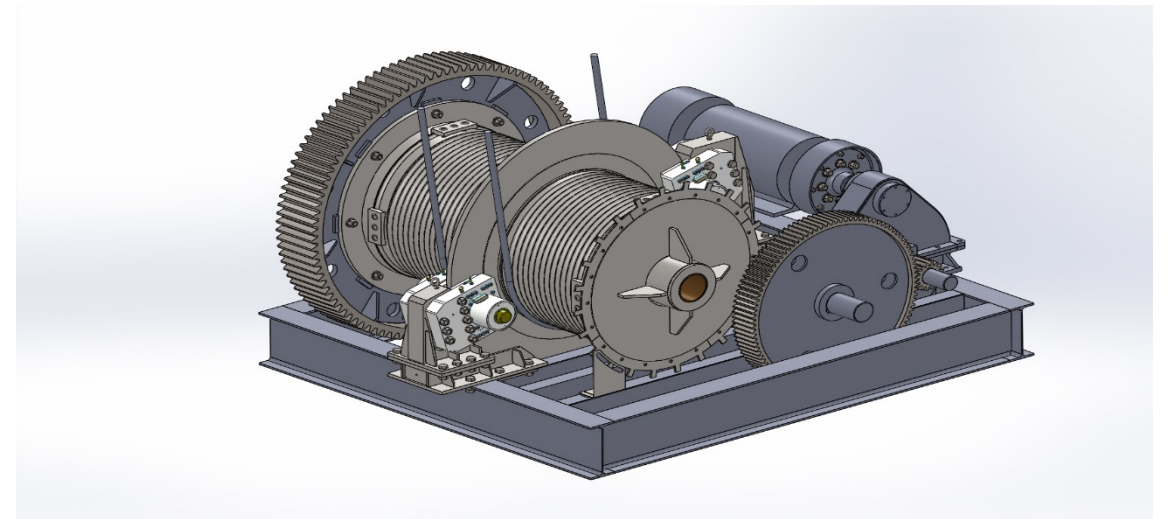
Location	FINCANTIERI, Genova, Venezia, La Spezia Italia
Aim of the project	Revamping and adaptation of machine tools to safety regulations (Annex V of Legislative Decree 81/08)
Services	Electrical installations Mechanical installations
Data	2013 - 2021



Location	FCA Verrone Provincia di Biella – Italia
Aim of the project	Installation of a centralized chip evacuation system
Services	Electrical installations Mechanical installations Start-up testing and support
Data	2015 - 2016

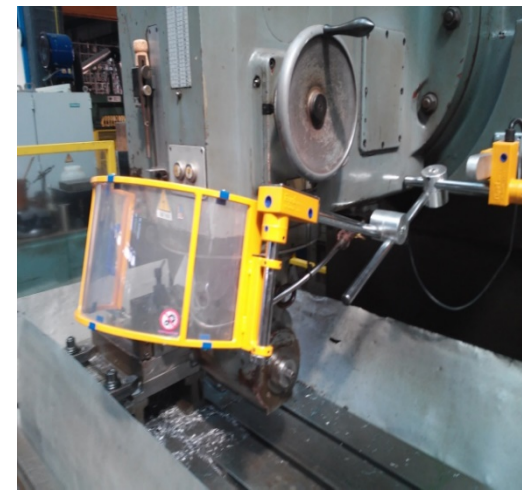


Location	FINCANTIERI Monfalcone Provincia di Gorizia – Italia
Aim of the project	Revamping of n°6 naval cranes at the Fincantieri shipyard in Monfalcone
Services	Revamping of the electrical system Mechanical installations of the new braking and emergency stop system
Data	2010 - 2011



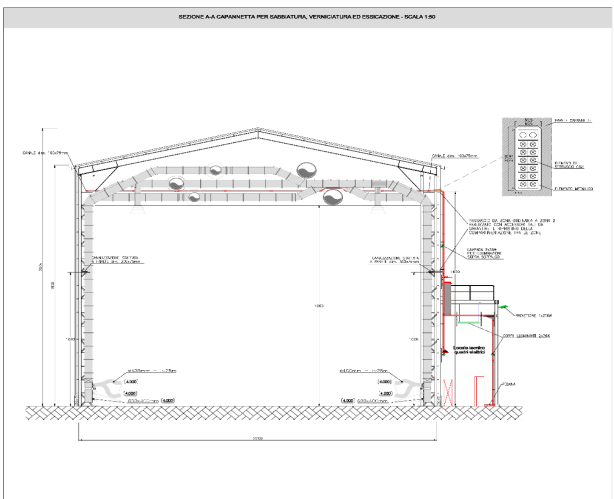
MACHINERY ADJUSTMENTS LGS. 81/08 ART. ANNEX V

Location	RIVA TRIGOSO (GE) Marghera (VE) Italia
Cliente	FINCANTIERI SPA
Aim of the project	Machinery adaptations to current regulations
Services	Riparing application and circuit implementations as required by 81/08; Annex V
Data	2011 - 2012



Location	Muggiano – Italia
Cliente	FINCANTIERI SPA
Aim of the project	Automatic Pipe Bending Revamping.
Services	Revamping of the electrical system Mechanical overhaul; commissioning;
Data	2011 - 2012



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Location	SUZZARA (MN)	Cliente	IVECO GROUP	Data	2017
Servizi	Construction and plant engineering	Scopo del progetto	Design and installation of eddy current drainage system by means of impressed current cathodic protection. Applications: transport chains production lines, underground and non-underground metal pipes.		

Alimentatore Protezione Catodica

