





industrial civil design

INCIDE ENGINEERING A MULTIDISCIPLINARY ENGINEERING DESIGN FIRM

Incide Engineering was founded in 1998, and in over twenty years of growth the company has transformed itself from a family reality to an organized structure of over 60 people, with a multisectoral and multidisciplinary offer, maintaining the care and attention to the customer typical of a "craft" company. An international culture has led Incide to face foreign markets, and today the company offers direct assistance to its customers with offices located in different countries. A professional approach to the market and customer satisfaction are the leading principles of corporate policies, which are applied in our daily work methods. The training of personnel and the use of new design methodologies are aimed at professional services up to date and in step with the market and the need for product innovation.

Electrical & mechanical systems engineering

Through its internal system design team, Incide manages to provide customers, architects and developers with total integration of the various design disciplines, in order to optimise the design processes to guarantee the overall result.

The correct design of the electrical and mechanical systems of buildings or in the infrastructure sector is a fundamental component of the building complex and ensures its correct functioning and the achievement of high standards of comfort, but energy saving strategies and the supervision and the scrupulous control of the systems contributes to the reduction of maintenance costs.



SERVICES OFFERED

TECHNICAL AND ECONOMIC FEASIBILITY FINAL DESIGN **EXECUTIVE DESIGN**

TECHNICAL MANAGEMENT & SUPERVISION OF WORKS ENERGY ANALYSIS OF BUILDINGS FULL INTEGRATED BIM MODEL



ENERGY EFFICIENCY

The design of plant systems aimed at the reduction of energy costs and CO₂ emissions requires excellent knowledge of the complex building system. The energyplant engineering strategy adopted is a Mean, Lean, Green approach: Reduction of energy consumption through

the adoption of passive project measures to reduce demand (MEAN); Optimisation of system efficiency through the use of energy efficient systems and devices (LEAN); Use of renewable technologies and energy sources (GREEN).



LEED CERTIFICATION SUPPORT ACTIVITIES

High-performance LEED buildings address sustainable development throughout the building's entire life cycle - from the beginning with the building's site selection and design all the way through to the end of the building's life. Sustainable buildings are significantly better than standard buildings. They use less energy, save money over time, provide better occupant health and comfort, and are better for the environment













THE BIM ALLOWS THE REALISATION OF THE FULL INTEGRATION BETWEEN THE PLANNING AND EXE CUTION PHASES AND THE MANAGEMENT OF COORDINATION BETWEEN THE DIFFERENT DISCIPLINES

The design of the systems is carried out using BIM digital information models, which allow total interdisciplinary coordination from the first design phases. This allows a **reduction in time**, the transmission to the customer of **real visual information**,

and the possibility of managing multidisciplinary design information within the same environment, including cost, time and facility management analyses Incide has introduced the professional skills for a full BIM approach to projects.



• Types of mechanical systems

The design of mechanical systems includes the development of all types of air conditioning, ventilation and industrial plant systems, for the various types of product sectors.

Incide is able to support its clients from the first design stages, towards the most efficient plant solutions capable of providing maximum comfort and energy efficiency.



HVAC (Heating Ventilation Air Conditioning)

Air conditioning and ventilation systems for civil and industrial sectors; local regulation of treated air and temperature, free-cooling systems and antibacterial air treatments.



Water and waste water systems

Water supply, distribution and disposal systems in residential, commercial and industrial buildings, for the reduction of water consumption and waste water treatment.



Discharge systems and rainwater recycling

Incide designs systems for conveying and recovering rainwater for sanitary use or for irrigating outdoor areas, with ecological recovery and high cost savings.



Fire-fighting, smoke and heat extraction systems

Fire-fighting sprinkler and hydrant networks and smoke and heat extraction systems for hospitals, public and industrial buildings, and airport infrastructures.



Compressed air systems

Calculation and design of compressed air systems for industrial, hospital or special use in full compliance with current regulations.



Methane, technical and medical gas

Incide designs special systems for the management, storage and distribution of civil, hospital or industrial gases, offering solutions accredited by over ten years of experience.



Control and regulation systems

We offer consumption control and management systems (BMS) using electrovalves, automated shutters and temperature and pressure sensors.



(Industrial special systems

Derricks and steel industrial chimneys, Thermal power plants and Oli&Gas plants, Industrial ducts and Storage and pressure vessels.

Types of electrical and special systems

The design of electrical systems, from power plants to medium-low voltage distribution, to lighting and special systems, are carried out in total synergy with the design of

mechanical systems, integrating the aspects of regulations and building automation systems.





(Civil and industrial electrical installations

Ordinary, emergency and security lighting installations and all types of electrical installations in ordinary, uninterruptible power supply and GE-powered installations.



MV/LV switchboards - Transformer rooms

Choice of components to obtain a continuous level of service (transformers, power factor correction devices, circuit breakers, power centre and distribution switchboards).



MV/LV photovoltaic systems

Photovoltaic systems with or without a storage system in order to provide the customer a continuous level of energy to obtain an adequate production performance.





(S) Intrusion detection & video surveillance

For the protection of personal and material safety, we design special anti-intrusion and video surveillance systems based on customer requirements.



(()) Fire detection systems

Sophisticated fire detection and alarm signalling, with technologies capable of detecting the beginnings of fires with or without smoke development.



(別) Structured cabling

Data systems with the highest standards required for transmission networks and telephone signals. The equipment is selected to satisfy every customer requirement.



Supervision systems

Useful for controlling and monitoring mechanical and electrical components. Latest-generation devices, all useful parameters are made accessible, even remotely.



(Access control

Special systems for access control to protected internal and external areas. The traceability is guaranteed by the latest generation of databases and software.

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A world wide company

+250 Projects

+30

+4

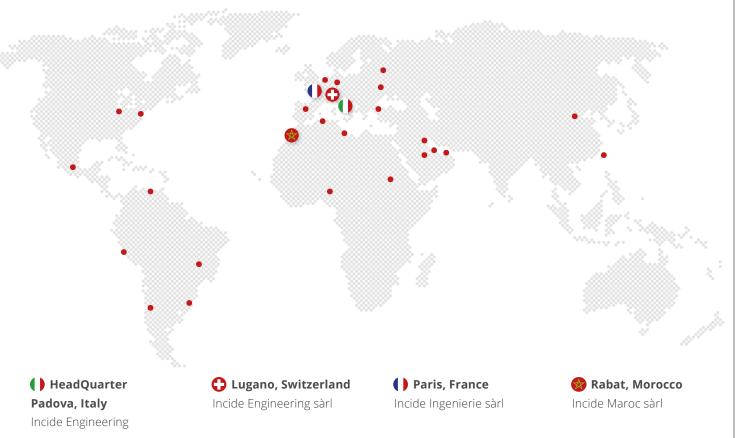
+60

Countries

Branches Employed

The competence, the language skills of the personnel and an up to date communication system, allow Incide Engineering to work in close connection with its customers around the world.

Knowledge of the most important names and international codes, give to Incide Engineering, the capability to compare utility with the global market of engineer services.



Full-services capabilities

Incide Engineering offers a full range of integrated engineering, architectural design and consulting services to support its Customers in the development of complex projects.

The integrated services offered by the company, start from the preliminary and conceptual design phases up to the definition of the specifications, the implementation, optimization and validation of the detail design.

Our approach to "building solutions" is to work both on buildings and on creating mutidisciplinary solutions for our clients.

Using the most advanced softwares the company develops the engineering and architecture design with BIM models, giving to the project an integrated design approach, anticipating problems and having a real time view of the construction. The different internal professionals ensure the full coverage of all the skills offered.







ENGINEERING

Structural engineering
Civil engineering
Mechanical & Electrical MEP
Tensile structures
Fire protection engineering
Installation methodologies

FACADES & ARCHITECTURE

Facade engineering
Architecture
Interior design
Bim coordination
Multidisciplinary coordination

CONSULTING

Project management
Construction management
Safety coordination
Commissioning
Testing

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MEP Projects

Thanks to the heterogeneity and complexity of the projects developed, Incide Engineering has acquired high skills in different market categories.

The experience developed by offering multidisciplinary services of high technical values, offers for each of these categories a solid basis in method, international construction codes and implementation constraints, to guarantee an efficient customer support.

Aviation

Incide has numerous professionals with years experience in the design of airports and aeronautical infrastructure, working with companies operating in the aeronautical sector, airport operators and airlines.





ALENIA AERMACCHI PLANT

Year: **2010 - 2014**

Owner: Alenia Aermacchi S.p.a Client: Finmeccanica S.p.a.

Location: **Taranto - Italy**

larket: Aviation - Industrial complex

Services: Architecture - Structural engineering - MEP

Fire protection - Construction management

Safety coordination - Commissioning







LUNI (SP)

NH90 FLIGHT SIMULATORS & NH90 WHARE HOUSE

Year: **2011**

Owner: Italian Ministry of Defence

Client: Augusta Westland S.p.a.

Location: La Spezia - Italy

Market: Aviation - Military infrastructure

Services: Architecture - Structure - MEP

Project management - Safety coordination

Construction management

1 - SIMULATOR completed work



Year: **2005 - 2008**

Owner: Augusta Westland S.p.a.

Client: **Leonardo S.p.a.**Location: **Varese - Italy**

Market: Aviation - Industrial complex
Services: Architecture - Structural - MEP

Fire protection - Construction management

Safety coordination - Commissioning











Year: **2012**

Owner: **Italian Ministry of Defence**Client: **Alenia Aermacchi S.p.a.**

Location: **Lecce - Italy**

Market: Aviation - Military infrastructure

Services: Architecture - Structural & Civil - MEP

Construction management - Safety











AEROPORTO DI MALPENSA - T2

Year: **2008**

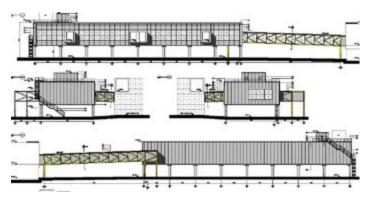
Owner: SEA S.p.a. Aeroporti Milano
Client: SEA S.p.a. Aeroporti Milano

Location: Milan - Italy

Market: **Aviation - Infrastructures**

Services: Architecture - Structural engineering

MEP - Facade engineering







CASABLANCA AIRPORT

Year: **2019**

Owner: **ONDA**

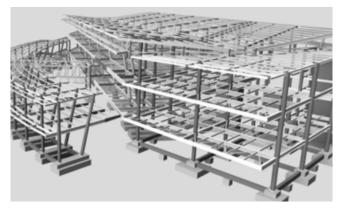
Client: **Jet Contractor**

Location: Casablanca - Morocco

Market: **Aviation - Infrastructures**

Services: Structural, Civil & Fire protection

engineering - MEP - Bim & coordination

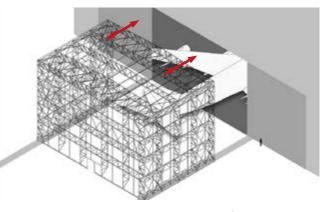


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M346 AIRCRAFT TRAINING CENTRE

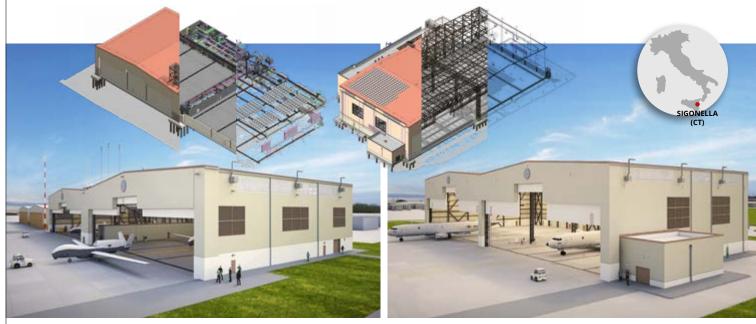
Year: **2006**

Owner: Officine aereonavali Venezia S.p.a. Client: Officine aereonavali Venezia S.p.a.

Location: Venezia - Italy

Market: **Aviation - Industrial complex**

Services: Architecture - Structural engineering - MEP Fire prevention engineering - Project management Construction management - Safety coordination









HANGARS 407-605 NAFVAC

Year: **2019**

Owner: NAFVAC - USA Navy

Client: **Design built with impresa ICM**

Location: Catania - Italy

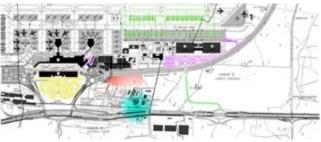
Market: **Aviation - Military infrastructure**

Services: Structural engineering - MEP

Fire protection engineering









Year: **2009**

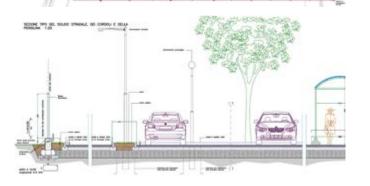
Owner: SEA S.p.a. Aeroporti Milano
Client: SEA S.p.a. Aeroporti Milano

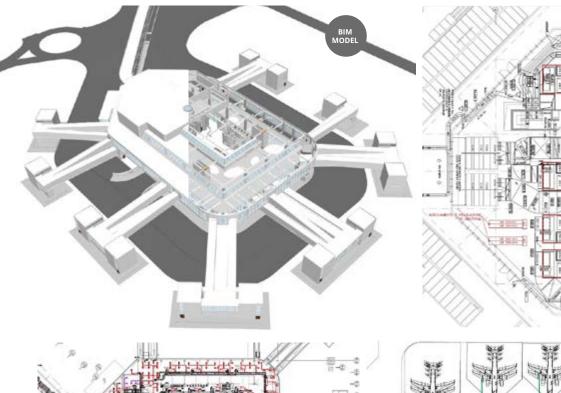
Location: Varese - Italy

Market: **Aviation - Infrastructures**

Services: Architecture - Electrical engineering

Commissioning





MALPENSA AIRPORT - TERMINAL 1

Year: **2021**

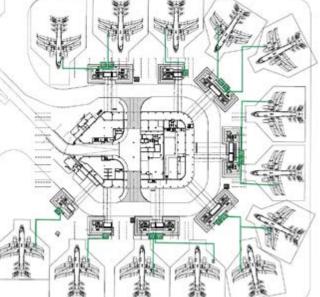
Owner: Comune di Milano

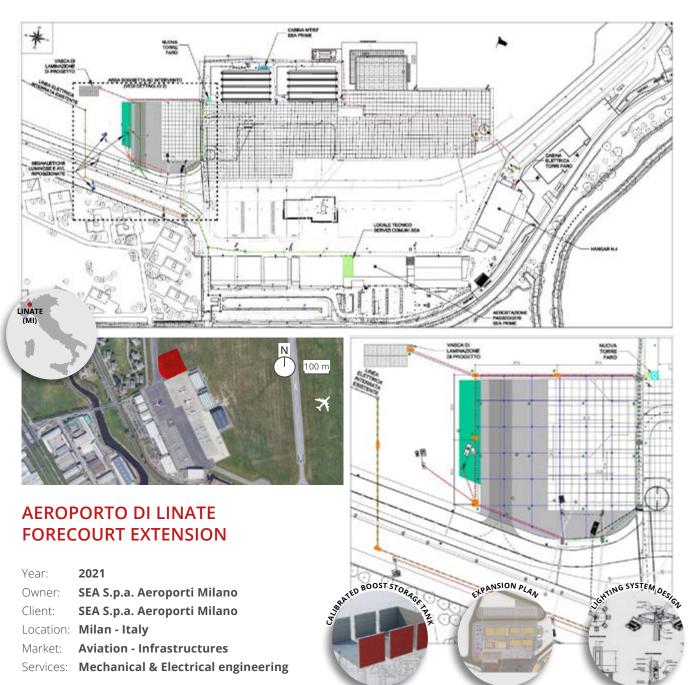
Client: SEA S.p.a. Aeroporti Milano

Location: Varese - Italy

Market: **Aviation - Infrastructures**

Services: Mechanical & Electrical engineering











Year: **2012**

Owner: **ENAC**

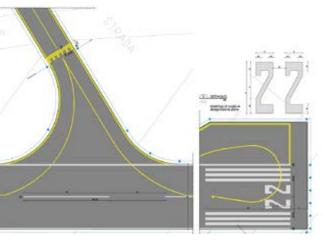
Client: **ENAC**

Location: **Udine - Italy**

Market: **Aviation - Infrastructures**

Services: Civil engineering - Electrical engineering

Construction management - Architecture



Industrial complexes & plants

The experience in managing important industries of Incide, has resulted in significant experience in industrial complexes design.

The company works with major EPC contractors from around the world, giving advice and providing services to develop power plants, infrastructure projects, industrial plants and oil and gas production sites.



2018 Year:

Ministere de la defense national - Algerie Owner:

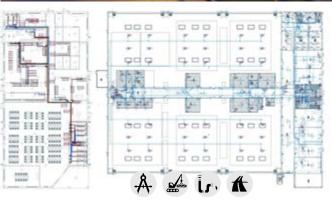
Leonardo S.p.A. Client:

Location: Ain Arnat - Algeria

Aviation - Industrial complex Market:

Services: Architecture - Structural engineering - MEP

Fire prevention engineering - BIM









Year: 2018

Ministero della Difesa - QATAR Owner:

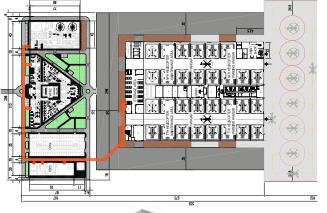
Leonardo Helicopters S.p.A Client:

Doha - Qatar Location:

Aviation - Industrial complex & plants Market:

Military infrastructure

Services: Architecture - Structural & Civil engineering - MEP











LIATEC ELICOPTER MAINTENANCE AND ASSEMBLY PLANT

Year: **2009**

Client: Augusta Westland S.p.a.

Location: Abu Aisha - Libya

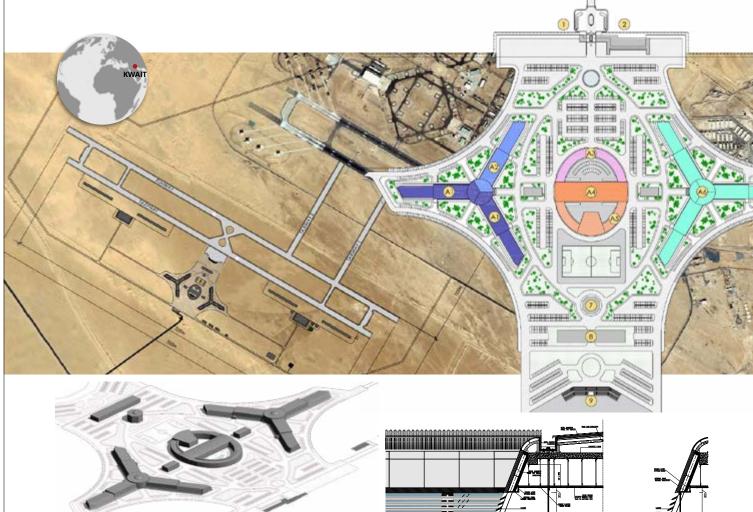
Market: Aviation - Industrial complex

Services: Architecture - Structural engineering

Electrical & Mechanical engineering

Fire protection engineering - PM





AIR COLLEGE KUWAIT

Year: **2013**

Owner: Ministère de la défense du KUWAIT

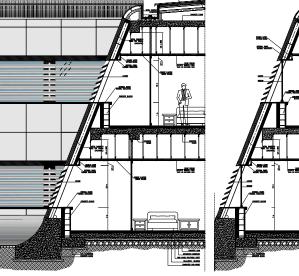
Client: Alenia Aeronautica S.p.A.

Location: **Kuwait**

Market: **Aviation - Industrial complex**

Services: Architecture - Structural engineering - MEP

Fire prevention engineering - BIM







HELICOPTER ASSEMBLY FACILITY

Year: **2010**

Owner: Augusta Westland S.p.a.

Client: **Leonardo S.p.a.**Location: **Venice - Italy**

Market: Aviation - Industrial complex

Services: Architecture - Structural engineering

Civil, Electrical & Mechanical engineering







JSF35 AIRCRAFT ASSEMBLY PLANT

Year: **2014**

Owner: Italian Ministry of Defence

Client: **Maltauro S.p.a.**Location: **Novara - Italy**

Market: Industrial complex

Services: Structural & Civil engineering

Architectural design - MEP - P&C M



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LIFECO STORAGE - LIBYA

Year: **2014**

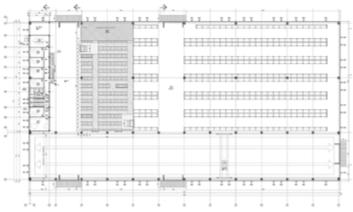
Owner: **Lifeco Lybia**Client: **Maltauro S.p.A.**

Location: Marsa el Brega - Libya

Market: Industrial complex

Services: Architecture - Structure - MEP

Fire prevention engineering









CRUAS NUCLEAR POWER PLANT

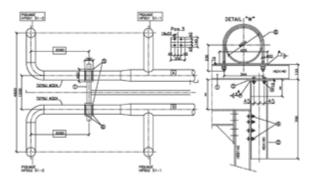
Year: **2012**

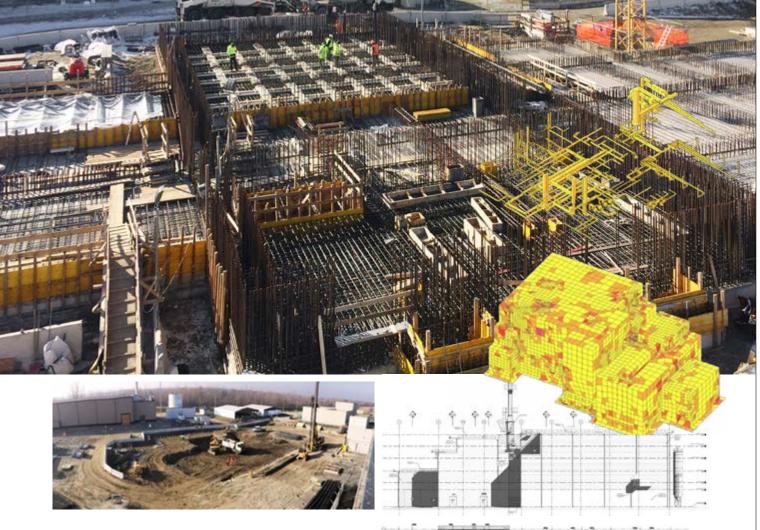
Owner: **EDF France** Client: **STF S.p.A.**

Location: **Cruas - France**Market: **Industrial plants**

Services: Structural engineering

Mechanical engineering - Special structures





SALUGGIA NUCLEAR TRANSFORMATION PLANT

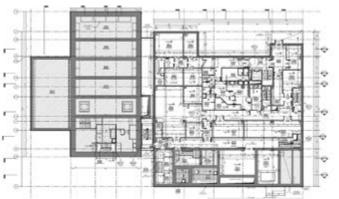
Year: **2016**Owner: **Sogin**

Client: Impresa Giuseppe Maltauro S.p.a.

Location: **Vercelli - Italy**Market: **Industrial plants**

Services: Structural engineering - Civil engineering

Mechanical engineering









SOUTH PARS GAS FIELD

Year: **2013**

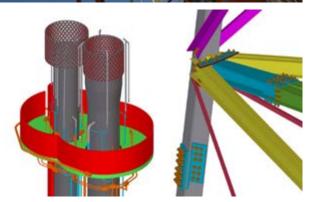
Owner: **Petropars LTD**

Client: **Thermoengineering S.a.s.**

Location: **Persian gulf - Iran**Market: **Industrial plants**

Services: Structural engineering

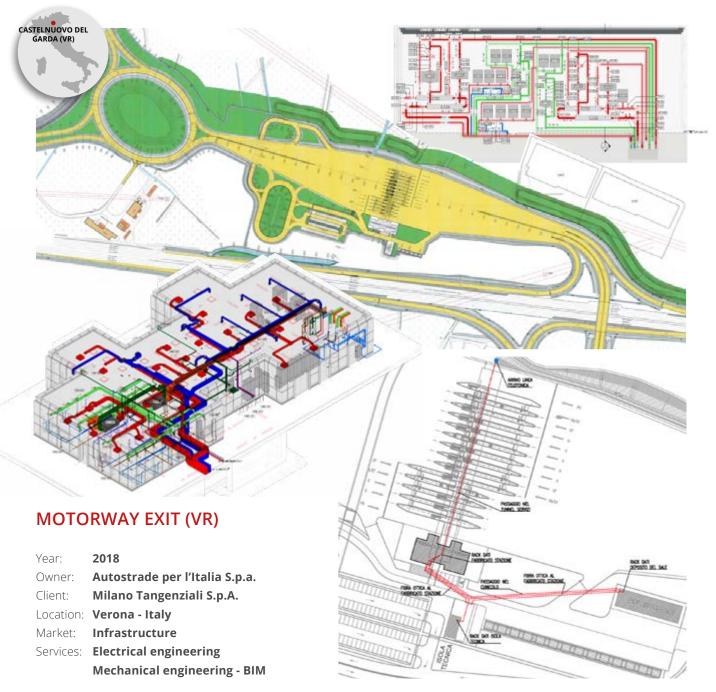
Mechanical engineering - Special structures



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Infrastructures









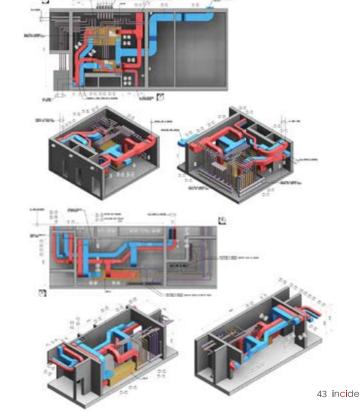
Year: **2013**

Owner: **Milano Serravalle S.p.A.**Client: **Milano Tangenziali S.p.A.**

Location: **Milano - Italy**Market: **Infrastructure**

Services: **Mechanical engineering - Construction**

management - Safety coordination - BIM



Health

Incide provides multiple services to ensure the effective management of planned plants and the maintenance of hygiene. They also enable changes to be made and minimise the impact of failures and disruptions through the use of innovative techniques and a focus on safety.



HALL 4 OSPEDALE AI COLLI (PD)

Year: **2022**

Owner: Unitá locale socio sanitaria nº16

Client: **ULSS 16**

Location: Orléans - France

Market: **Health**

Services: Architecture - Structural & Civil - MEP

Special structure - Fire protection - BIM

Construction management - Safety coordination









Year: **2017**

Owner: Unitá locale socio sanitaria nº16

Client: **ULSS 16**

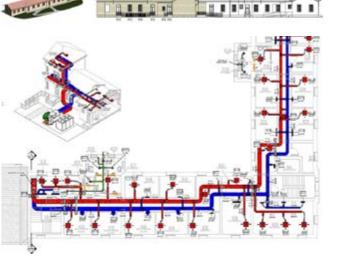
Location: Orléans - France

Market: **Health**

Services: Architecture - Structural & Civil - MEP

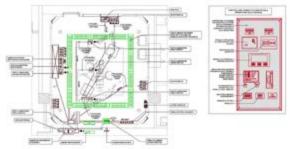
BIM - Construction management

Safety coordination



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FOGGIA HOSPITAL

Year: **2017**

Owner: Az. Osp. Un. Ospedali Riuniti

Client: N.G.C. Medical S.r.l.

Location: Foggia - Italy

Market: **Health**

Services: **Electrical engineering**

Mechanical engineering









SASSARI HOSPITAL

Year: **2018**

Owner: Azienda SS.Annunziata

Client: N.G.C. Medical S.r.l.

Location: Sassari - Italy

Market: **Health**

Services: Structural engineering

Electrical & Mechanical engineering



Sport & Spectacle

Entertainment halls, Arenas, Football stadiums, Gymnasiums, multi-purpose facilities and Swimming pools. Building projects designed for the sports and enetrtainment sector express a high representative value, so their design takes into account the need to make them real iconic architectural symbols.







Year: **2014**

Owner: Polizia di Stato

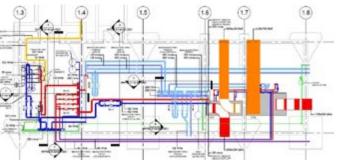
Client: Ministry of Infrastructure and Transport

Location: Rome - Italy

Market: Sport & Spectacle - Military infrastructure

Services: **Mechanical engineering**

Fire prevention







2015 Year:

Comune di Villafranca di Verona Owner:

CRS Costruzioni S.r.l. Client:

Location: Verona - Italy

Sport & Spectacle

Services: Structural & Civil engineering

MEP



VILLAFRANCA VERONESE

فاشــن أفــنيــو FASHION AVENUE

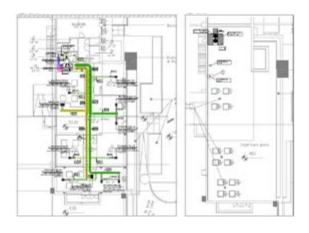
Commercial

We offer our design experience for Commercial Buildings to Investors, Builders and Architects all around the world.

Successful commercial building designs reflect the expectations of local tenants and incorporate local construction practices.









RED BUILDING RESTORATION

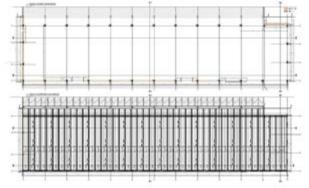
Year: **2017**

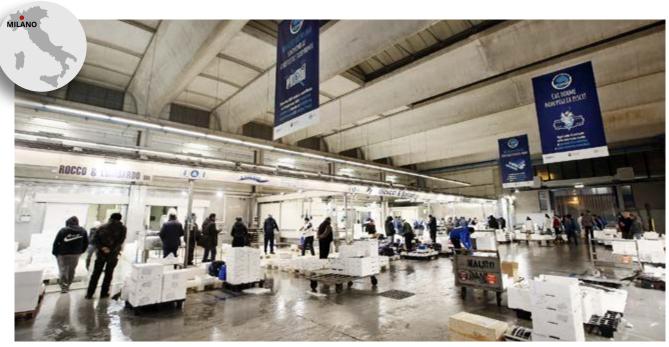
Owner: **RED Graniti S.p.A.**Client: **RED Graniti S.p.A.**

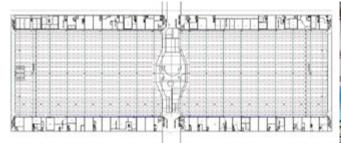
Location: Verona - Italy

Market: Industrial complex - Commercial buildings
Services: Structural engineering - MEP - Commissioning

Bim & multidiscplipinary coordination







FISH, FRUIT AND VEGETABLES MARKET

Year: **2018**

Owner: So.Ge.M.I. S.p.A.
Client: So.Ge.M.I. S.p.A.

Location: Milano - Italy

Market: **Commercial buildings**

Services: **MEP - Fire prevention engineering**

Construction management







RISTOP DARSENA CITY

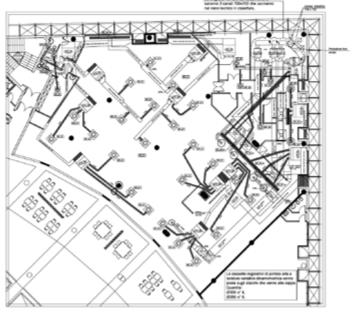
Year: **2006**

Owner: Ristop S.r.l.
Client: Lambda S.p.a.
Location: Ferrara - Italy

Market: Commercial buildings - Retail

Services: **Architecture - MEP - Fire protection - P&C M**

Safety coordination - Commissioning





EXTENSION OF GANMAR OFFICES

2018 Year:

Ganmar S.r.l. Owner: Ganmar S.r.l. Client: Location: Verona - Italy

Commercial buildings

Services: Structural engineering - BIM

MEP





SELVAZZANO DENTRO

Year:

Owner: Client:

Electrical engineering

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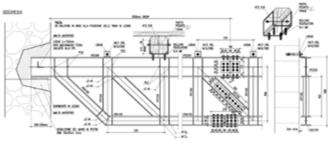
Residential & Restoration

The internal architecture department provides highlevel design of homes, interior design, renovation and gardens.

We carry out technical evaluations, preliminary and executive studies, architectural and structural design, interior design and lighting, with particular attention paid to construction details and the choice of materials from a sustainable perspective.







VILLA ON THE EUGANEI HILLS

Year: **2016**Owner: **Private**

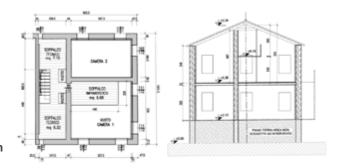
Client: **Private**

Location: Padova - Italy

Market: **Residential & housing - Restoration**

Services: Architecture & Structure & Civil engineering
MEP - Fire prevention - Interior design - PM - Construction

management - Safety coordination - Commissioning





67 Inclae









PALAZZO ROCCABONELLA

2020 Year:

Impresa Carron S.p.A. Owner: Impresa Carron S.p.A. Client:

Location: Padova - Italy

Residential & housing - Restoration Market:

Services: Architecture & Structure & Civil engineering

MEP - Fire prevention - Interior design

Construction management - Safety coordination







VILLA ULIAN (PD)

2011 Year:

Private Owner: Private. Client:

Location: Padova - Italy

Residential & housing Market:

Services: Architecture & Structure & Civil engineering

MEP - Fire prevention - Interior design Construction management - Safety coordination



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ISO9001:2015 - CSI CERT N. SQ052065

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