



JOIN VENTURE

TECNO GROUP INTERNATIONAL

CTG

JOINT VENTURE

C.T.G. JOINT VENTURE, is proud to present the associated companies for the construction construction of infrastructure works, such as; TECNOGROUP INTERNATIONAL TECHNICAL SERVICES DUBAI, C.M.C ,NPM HOSPITAL, INTEGRA, thanks to their knowledge are able to express the potential of an enterprise collaboration general construction, which can combine the flexibility of action that comes from specialization of enterprises; This is due to the ability to share the know-how and managerial skills of its members.

The associated companies operating in Italy and abroad in the fields of construction complete including its design and execution of infrastructure such as construction of roads, highways, bridges, airports, seaports, consolidation works, hospital, pipeline laying water and gas, defense works hydraulic and environmental engineering, water treatment, sewage treatment plants and desalination plants civil and industrial works, plants for sectors Power production & distribution systems...

The core competences of its staff includes designing, engineering, constructing,





technoG

INTERNATIONAL

Technical Services **DUBAI**

TecnoGroup International in partnership with operates in Italy and around the world for 20 years in constant search of better integration between technical and human resources for the protection of man and of the products of this work.

TecnoGroup International acting as general contractor, is the necessary point of contact to the customer for completion of the work, the first phase of the study until the opening of structure.

TecnoGroup International is able to manage global deployments and installations turnkey advanced, offering control of all phases and activities of the project, coordination of the various companies on time delivery. TecnoGroup International supports the objectives of the client: a feasibility study, conducted at a preliminary stage allows to estimate the real possibilities of success of the project for a final result consistent with expectations. The overall program is strictly respected and no interference from other parts ensures timely delivery and compliance quality standards.

TecnoGroup International as a general contractor performs managerial development work such as: facilities, construction, drywall; floor and wall coverings; electrical installations, advanced technologies, water and sanitation, heating and cooling, management and control technology; complete systems for hotels, hospitals, works in production food, farms, advanced facilities for production.

TecnoGroup International, designing and implementing renewable energy systems, Building Automations, High security installations, electrical systems and hydraulics of high technology and integrated systems within civil and industrial technologies with cutting-edge TecnoGroup International has as its technology partner for engineering studies and consultancy for companies, installers and end users for the macro.

Our work starts from the planning to develop, in collaboration with the client, in various stages of construction, installation and testing, continuing training in the company, essential for the correct application of complex technologies.

Scheduled maintenance and a punctual service over time enhance the service offered. The important works by TecnoGroup International for institutions banks, museums and galleries, tourist centers hotel, commercial and residential buildings, structures hospital and prison, palace of arts and sports are the tangible guarantee of a as the result of experience and professionalism.

Techno Group International was founded by the incorporation of companies that have joined the group.

TecnoGroup International operates mainly in processes such as:

- business center
- sports facilities
- Health
- armed forces
- playgrounds
- Hotel
- auditorium and conference rooms
- shopping centers
- banks

FIRE PREVENTION SYSTEMS

SMOKE DETECTION - GAS - FLAMES OFF AUTOMATIC SYSTEMS



Fire prevention and safety of people is the most important factor in the design of civil and industrial buildings. All systems detection and extinguishing designed by TecnoGroup International are strictly complying with most recent EU directives on health and safety. Materials and technologies are applied in order to minimize the risks being aware that the highest pre-emptive defense comes by the use of appropriate materials in the production of integrated systems.

SECURITY SYSTEMS

INTRUSION DETECTION SECURITY VAULT - BANKS - CIVIL STRUCTURES



Tecno Group International was established as the operational structure specializes in the application of advanced technologies for the solution of all problems relating to the security and control of goods and people. A multidisciplinary technical staff, constantly looking for new technologies and new materials, designs the best solutions to optimize the objective to the form of private security vault bank.

BUILDING AUTOMATION



Techno Group International has long adopted as the operating philosophy synergy and compatibility of hardware and software in order to allow a seamless integration between parts, reducing the cost of installation and management. The systems designed for modern buildings arise from the idea of integrating the various functions at the source (voice, data, video, security, protection and access control system, electrical system and air conditioning) for improve management and achieve energy savings.

SYSTEMS DIRECTOR'S AUDIO / VIDEO AMPLIFICATION PROFESSIONAL - VIDEO CONTROL SYSTEMS



The experience gained in the solution of problems of diffusion professional video and audio to the left of studies of production and entertainment venues characterizes interventions Tecno Group International. In the preparation of congress systems for each type of structure (government agencies, universities and chains hotel) we have acquired specific know-how for the design and implementation of amplification systems, computerized voting, simultaneous translation and video conferencing

TELECOMMUNICATIONS SYSTEMS STRUCTURED WIRING-CENTRAL MOBILE-SATELLITE RECEPTION AND TRANSMISSION



The continuous evolution and the changing needs of communication tools more efficient approaches require always new issues of telecommunications.

Techno Group International research and constantly applies the latest technologies in implementation of telephone and data transmission networks telematics.

The new horizons offered by satellite transmission and reception are also implemented to further qualify the connections between people, media and production activities.

PLANTS AUTOMATIC ADJUSTMENT CENTRAL HEATING - REFRIGERATION GROUP - CHP



MAJOR WORKS CARRIED AND DURING THE OPERA

BUSINESS CENTER

ENK COMPLEX
BUSINESS CENTER – PRISTINA KOSOVO





PLANT AND SPORTS CENTRES

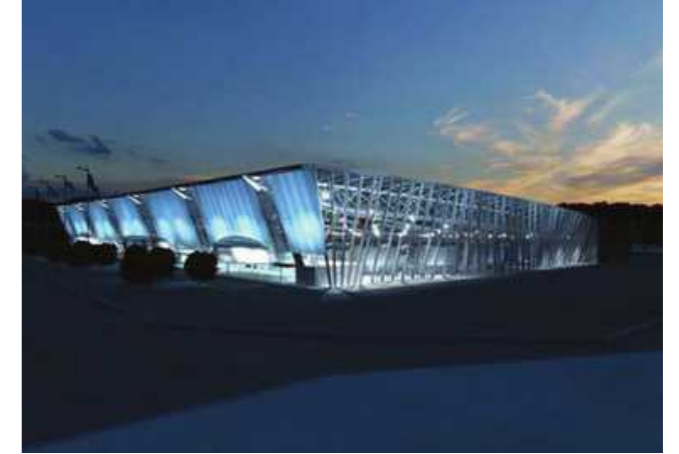
BOB / SLITTING TRACK / SKELETON
TURIN OLYMPICS 2006

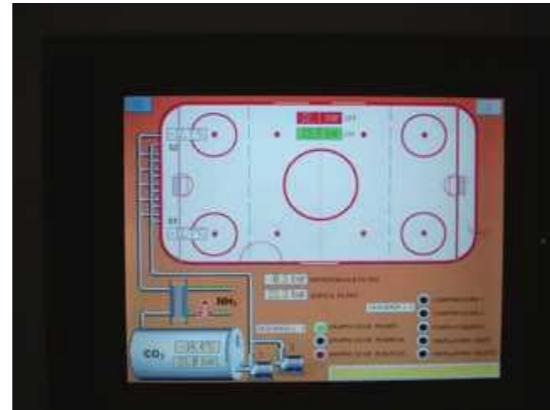






PALA OVAL
OLIMPIADI TORINO 2006
TORINO





OLYMPIC VILLAGE MOI
TURIN OLYMPICS 2006
TURIN



SPORTS HALL "PALAS"
PESARO





PALACE MAURO DE ANDRE
RAVENNA



STADIUM



STADIUM 40.000 SEATS
CAGLIARI - ITALY



STADIUM 50.000 SEATS
PISA - ITALY



STADIUM 30.000 SEATS
CESENA - ITALY



STADIUM 30.000 SEATS
PARMA - ITALY

STADIUM 60.000 SEATS
JOHANNESBURG - SOUTH AFRICA



STADIUM 60.000 SEATS
MOZAMBIQUE





HEALTH

NURSING HOME VILLA MARIA CECILIA
RAVENNA



HOSPITAL S. MARIA NUOVA di REGGIO EMILIA
Implementation of new Enlargement Building D and E





HOSPITAL S. MARIA NUOVA di REGGIO EMILIA
Interventions to restructure Existing bodies



HOSPITAL S. MARIA NUOVA di REGGIO EMILIA
New ALA NORD expansion completed

PLATTFORM Enterprise Building Integrator



HOSPITAL S. MARIA NUOVA di REGGIO EMILIA
Implementation of new Enlargement ALA SUD

PLATTFORM Enterprise Building Integrator



BOLOGNA HOSPITAL COMPANY
MAGGIORE HOSPITAL



BOLOGNA HOSPITAL COMPANY
BELLARIA HOSPITAL



BOLOGNA HOSPITAL COMPANY
S. ORSOLA / MALPIGHI HOSPITAL



HOSPITAL PIERANTONI
FORLI'



HOSPITAL S. MARIA NUOVA di REGGIO EMILIA
Maintenance and renovation works



DOMODOSSOLA HOSPITAL
Renovations



NUOVO DEA HOSPITAL di RAVENNA
Implementation of new Enlargement DEA





GUASTALLA HOSPITAL
Construction of a new Senology department



HOUSE FOR ELDERLY RSA di SOLAROLO

HOSPITAL BORGO TRENTO di VERONA
Realization of new telephony system





NEW HEALTH DISTRICT
CHIERI - TORINO



C.E.D.I.S.
Hospital Franchini Montecchio Emilia



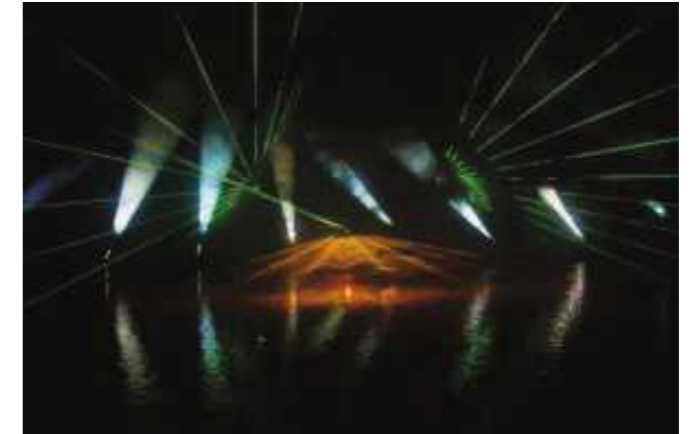
Hospital of Prato - Santo Stefano





PLAYGROUNDS

MIRABILANDIA
PLAYGROUNDS RAVENNA





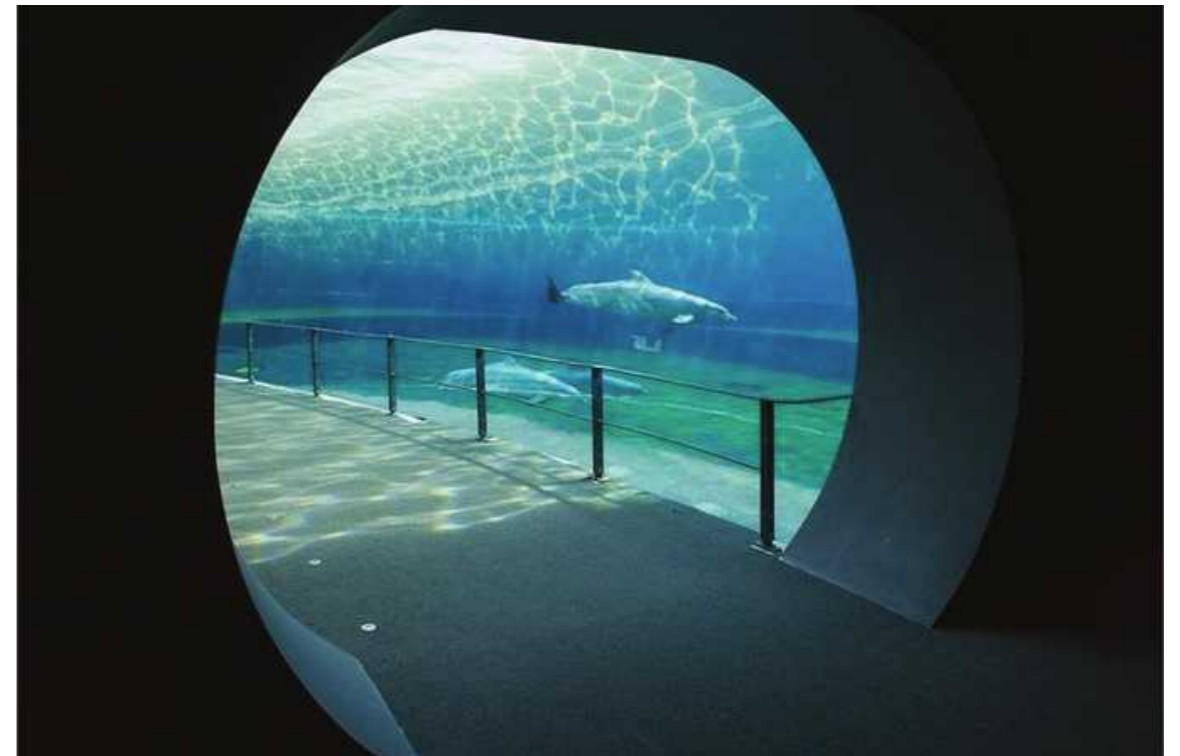
GARDALAND
Castelnuovo del Garda

Gardaland





AQUARIUM GENOVA
GENOVA





ARMED FORCES

CIRCONDARIAL PRISON di PERUGIA



- SISTEMA DI SUPERVISIONE
- IMPIANTO REGOLAZIONE
- IMPIANTO AUTOMATICO GESTIONE ACQUE CELLE
- VIDEOSORVEGLIANZA TVCC
- IMPIANTI ELETTRICI
- SISTEMA INTERFONICO CELLE
- IMPIANTO TV CELLE CENTRALIZZATO
- IMPIANTO ANTINTRUSIONE



Ministry of FINANCE
REVENUE AGENCY DI BOLOGNA





MUNICIPAL POLICE
BORGHO PANIGALE (BO)

MUNICIPAL POLICE
HEADQUARTERS RAVENNA



FIRE DETECTION SYSTEM

FIRE FIGHTERS OPERATING CENTER
FERRARA



NEW POLICE HEADQUARTERS di RAVENNA



SMIRAGLIA POLICE STATION
STATE POLICE BOLOGNA



RAVENNA PRISON

POLICE STATION MONTEZEMOLO
STATE POLICE BOLOGNA



HOSPITALITY





HOTEL CLASSENSIS di RAVENNA
Loc CLASSE – Ravenna



HOTEL INTERNAZIONALE GARAGE di BOLOGNA



HOTEL CARLTON di BOLOGNA





HOTEL BYRON
RAVENNA



JOLLY HOTEL di:
RAVENNA – FERRARA – BOLOGNA



PARK HOTEL
MARINA DI RAVENNA



AUDITORIUM AND CONFERENCE HALLS

MANZONI THEATRE BOLOGNA



JAZZ HOUSE - ROME





MARCO BIAGI FOUNDATION
MODENA



PALAIS DES NATIONES
PARLIAMENT ALGERIA





THEATRE BONCI
CESENA

ALIGHIERI THEATRE RAVENNA
IMPLEMENTATION + PLANT INTEGRATION





MUNICIPAL THEATER
CASALECCHIO DI RENO (BO)



MUNICIPAL THEATER
RIOLO TERME (RA)

MUNICIPAL THEATER
San GIOVANNI PERSICETO (BO)

MUNICIPAL THEATER
SASSO MARCONI (BO)

MANODORI FOUNDATION
PALAZZO DEL MONTE

VILLA MATARAZZO
CONGRESS CENTER
EX PROPRIETA ARCIVESCOVATO DI RAVENNA

POLO UNIVERSITARY POLE
EX CONVENTO SANTA CRISTINA di BOLOGNA



INDUSTRIAL - TERTIARY

CABOT ITALIA
FACTORY ENTO RAVENNA

AGRISOL
DISTRIBUTORE FITOFARMACI EMILIA ROMAGNA
STRUTTURE DI FAENZA – COTIGNOLA – BAGNACAVALLO – MORDANO – SOLAROLO - GODO

CABINATI AGIP

BANK INSTITUTIONS

BANCA POPOLARE DI RAVENNA
FILIALI PROVINCIA DI RAVENNA

CREDITO COOPERATIVO
FILIALI PROVINCIA DI RAVENNA



SHOPPING CENTERS

Shopping Centers
BUFALOTTA – ROMA



Shopping Center ESP – RAVENNA
RESTYLING





MAINTENANCE AND GLOBAL SERVICE

PALAZZETTO DELLO SPORT "PALAS"
PESARO



PALAZZO MAURO DE ANDRE
RAVENNA



NURSING HOME VILLA MARIA CECILIA
RAVENNA



HOSPITAL S. MARIA NUOVA di REGGIO EMILIA



HOSPITAL S. MARIA NUOVA di REGGIO EMILIA



HOSPITAL S. MARIA NUOVA di REGGIO EMILIA



HOSPITAL S. MARIA NUOVA di REGGIO EMILIA



HOSPITAL AGENCY DI BOLOGNA
OSPEDALE MAGGIORE

HOSPITAL AGENCY DI BOLOGNA
OSPEDALE BELLARIA

HOSPITAL AGENCY DI BOLOGNA
POLICLINICO S. ORSOLA / MALPIGHI

HOSPITAL PIERANTONI
FORLI



NEW DEA HOSPITAL RAVENNA



MIRABILANDIA
PLAYGROUNDS RAVENNA



SHERATON CLUB DES PINS
TOWERS RESORT & ALGERIA



HOTEL CLASSENSIS di RAVENNA
Loc CLASSE – Ravenna



HOTEL INTERNAZIONALE GARAGE di BOLOGNA



HOTEL CARLTON di BOLOGNA



HOTEL BYRON
RAVENNA



MANZONI THEATRE BOLOGNA



JAZZ HOUSE ROMA



FONDAZIONE
MARCO BIAGI
MODENA

CABOT ITALIA
STABILIMENTO RAVENNA

AGRISOL
DISTRIBUTORE FITOFARMACI EMILIA ROMAGNA
STRUTTURE DI FAENZA – COTIGNOLA – BAGNACAVALLO – MORDANO – SOLAROLO - GODO

CREDITO COOPERATIVO
FILIALI PROVINCIA DI RAVENNA

Centro Commerciale
BUFALOTTA – ROMA



Shopping Center ESP – RAVENNA
RETYLING



MULTISALA UGC CINEMA
SHOPPING CENTER RUBICONE (Savignano)



CENTRAL ENERGY PRODUCTION

Hydropower
RAIANO - AQUILA



Hydropower
OLEVANO SUL TUSCIANO



Hydropower
Quero BELLUNO



Thermoelectric
PORTO TOLLE



Thermoelectric
RAVENNA



Thermoelectric
Marzocco LIVORNO



Photovoltaic system





Renewable energy
Wind Power Plant

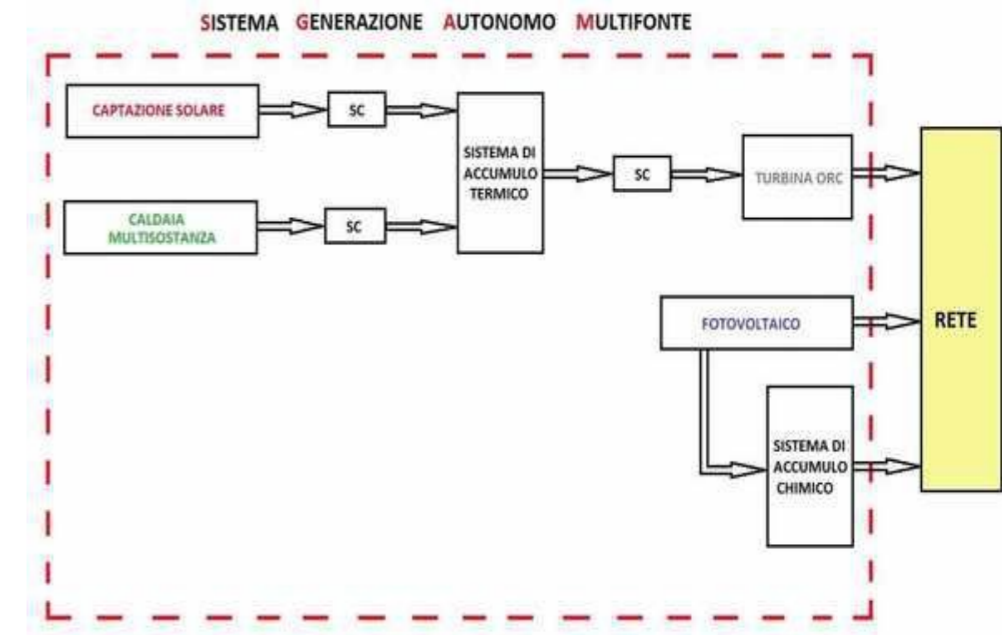




CENTRAL ENERGY PRODUCTION (SGAM)

Realization of the system of production of energy from multi sources called INDEPENDENT MULTI-SOURCE GENERATOR SYSTEM – SGAM.

The system, it is mainly composed of a photovoltaic array, a solar thermal field, a system of rotating electrical energy generation (ORC turbine section) and a multi-substance boiler.



The complete system consists of the following main areas:

- 1) Solar captation
- 2) Multi substance boiler
- 3) Thermal storage system
- 4) ORC Section
- 5) Photovoltaic solar system
- 6) Electrochemical storage system
- 7) Supervision and control system

Network interface substation

The system of 1 MW nominal power (that is 1,000 KW), called "SGAM 1000". The nominal power refers to the section of the photovoltaic system, designed as a primary, basic and reference source.

Any complementary and additional solutions that might be requested for specific load coverage can be developed and many other solutions based on electrical and thermal energy demand will be developed according to the clients and their specific needs.

SGAM is designed so that each of the macro blocks included in the layout may or may not be present in the system.



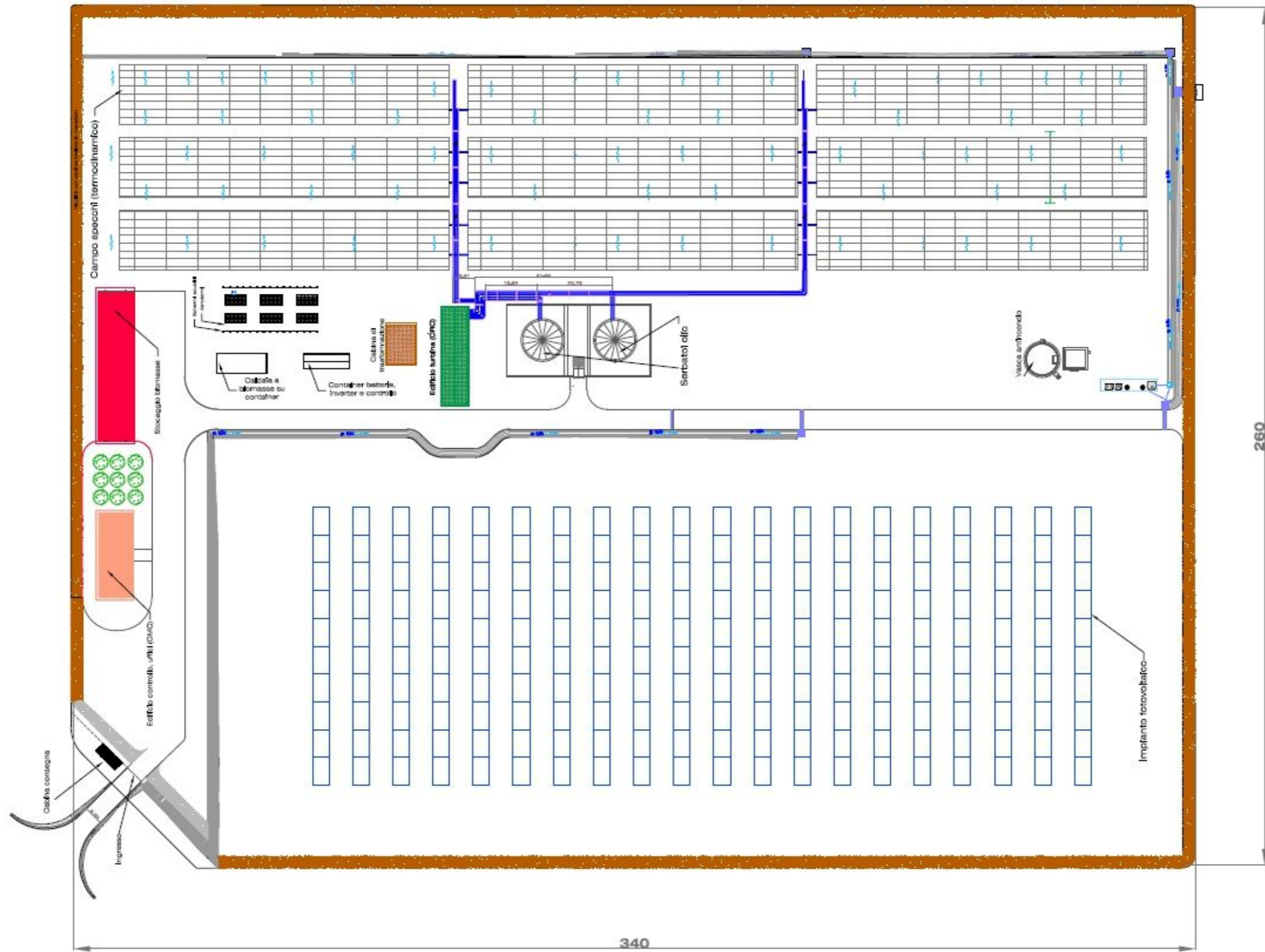
In particular, in addition to the basic PV system, the system of solar captation as well can be modified and improved using different types of collectors according to the operating temperatures to be achieved and above all according to the fuel supplying (heat-carrying fluid).

The sector of the multi substance boiler, that can be used to combine or substitute for the solar thermodynamic plant, will be a specific one according to the biomass available and according to the thermal power to be achieved, and on the basis of the monitored consumption figures.

The thermal and electrical accumulation sections that are essential for the stabilization of power supply, will be properly sized in order to provide energy during the periods of solar energy absence (together with the boiler).

The ORC sector (Organic Rankine Cycle) is the stage of thermal energy conversion into electrical energy by the use of a second Rankine type thermodynamic cycle.







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c. m. c.

cooperativa
muratori
cementisti
ravenna

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COMPANY PROFILE

Experience built over more than a century



CMC historical milestones

- Creation of "Società anonima cooperativa fra gli operai, muratori e manovali del Comune di Ravenna" that would later become CMC



1901

- Construction of Gorsexio viaduct and the bridge crossing the river Platano on the motorway connecting Potenza to the A1 motorway



50's - 70's

- Worldwide expansion with projects in the Middle East and in three African countries

- Construction of the Pequenos Libombos dam in Mozambique



80's

- Further international expansion with projects in additional African countries, and penetration of the Chinese construction market

- Construction of the high-speed rail line Bologna-Florence section



90's

- Expansion in the Philippines, Laos, Eritrea, Malawi, Egypt, Taiwan, France and Germany

- Participation to the some of the most important civil infrastructure projects in Italy, such as:
 - 2 sections of the Motorway 66640 Agrigento-Caltanissetta
 - "Quadrilatero" Road Network Umbria-Marche
 - EXPO 2015
 - Turin-Lyon high-speed rail line - Exploratory tunnel
 - External Eastern Ring Road of Milan
 - 2 sections of Catania Metro
 - Light rail transit system Cosenza – Rende

2000's - Today

- Entered US market with the acquisition of two local companies, which today generate an increasing share of turnover and backlog.
- Increased presence in Africa, where new countries like Namibia and Burundi were recently added to our historical presence in countries like South Africa, Mozambique, Angola and Algeria.
- Strengthened presence in Asia, with recent large orders secured in Pakistan and the Philippines.



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THE EXPERIENCE

Transport



Ismailia New Highway Undercrossing Suez Canal Egypt



Employer: Petrojet – Min. of Defense Military Eng. Authority || Completion: 2018 || 2 x 4.84 km road tunnels || 13.05 excavation dia. || 2 Herrenknecht mixed shield slurry TBMs || 10 cross passages by ground freezing || CMC directly accomplished Eastbound Tunnel 4.84 km TBM excavation.

Maritza Motorway - Lot n. 1 Orizovo to Dimitrovgrad Bulgaria



Employer: Ministry of Regional Development & Public Works of Bulgaria Road Infrastructure Agency (RIA) || ***Completion:*** 2015 || 31.5 km highway construction || Orizovo-Dimitrovgrad Pan-European Corridor IV.

High Speed Railway Bologna-Florence Italy



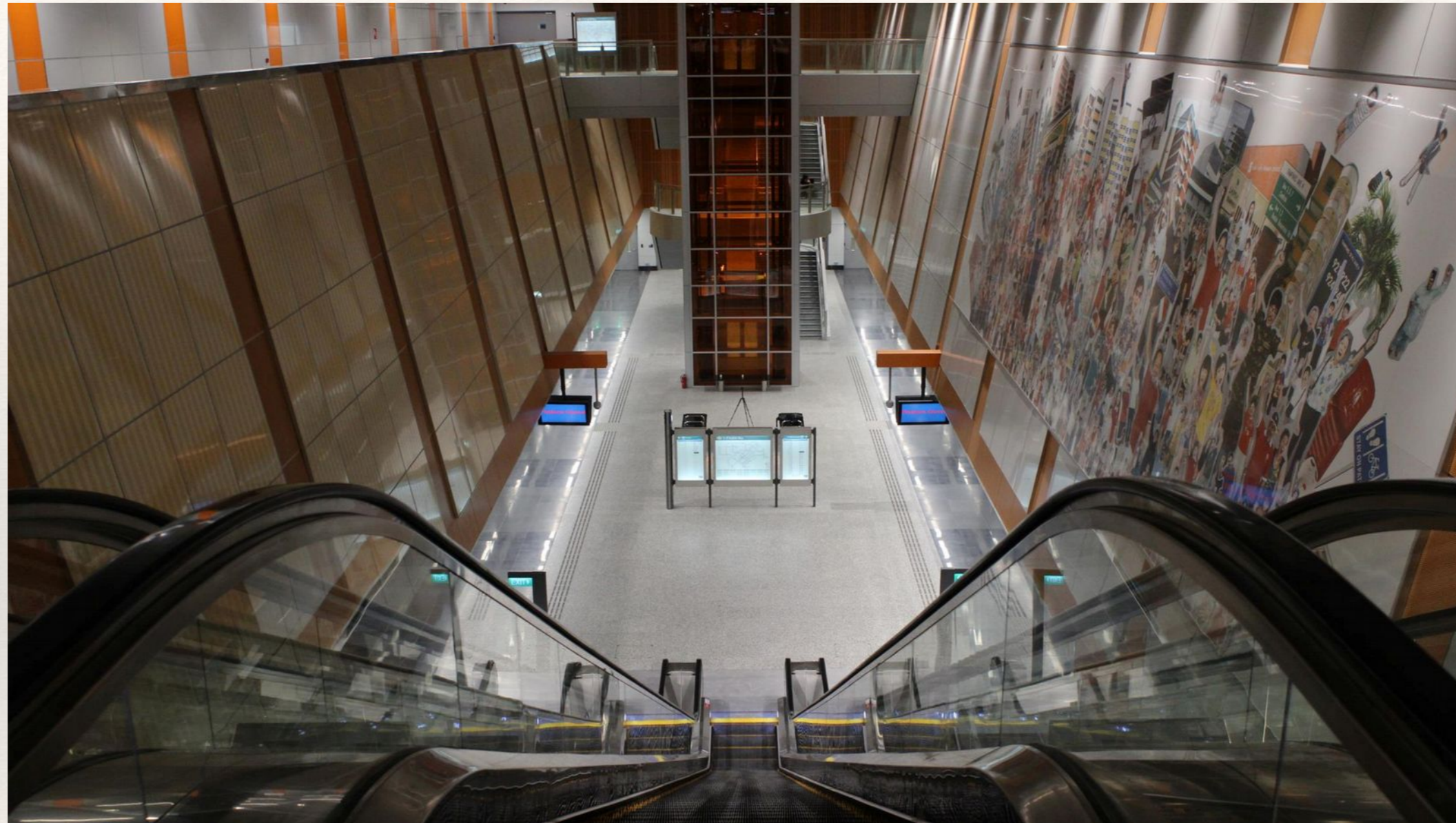
Employer: TAV Spa || Completion: 2010 || 78 km high speed rail design and build || 1 km bridges and viaducts || 73 km line tunnel || 8.8 km service tunnel || 9.4 km geological tunnel by TBM.

High Speed Railway Milan-Bologna Italy



Employer: TAV S.p.A Ferrovie dello Stato || ***Completion:*** 2008 || 30 km high speed rail design and build || 767 mt of viaduct || 1.076 mt of flyovers || 581 mt of suspended bridges || 3,200 mt of railway overpasses.

Metro Downtown Line 3, Lots C926 and C927 Singapore



Employer: LTA || Completion: 2016 || DTL3 Contracts C926-C927 Construction of Bedok Reservoir Station and Tampines West Station and tunnels || 8,560m tunnels by 6 EPB-TBM || Excavation diameter: 6.60m.

SS640 Highway Lot n.1 Agrigento – Caltanissetta Italy



Employer: ANAS || Completion: 2018 || 31 km highway upgrading, construction of second carriageway || 26 bridges and viaducts (tot. 6.2 km) || 1 artificial tunnel || 8 interchanges || 44 km of secondary roads networks.

SS640 Highway Lot n.2 Agrigento – Caltanissetta Italy



Employer: ANAS || Completion: 2018 || Upgrading of 28.2 km of highway || 5 artificial tunnels || 4 bored tunnels || 1 TBM 15.1 m dia. || 13 viaducts || 11 overpasses/flyovers || 1 bridge.

“Quadrilatero” Highway Project Italy



Employer: Quadrilatero Marche Umbria S.p.A (ANAS S.p..A.) || ***Completion:*** on going || 62,7 km new highway construction || 28 km existing highway modernization || 2 natural twin-tube tunnels || Cupigliolo Tunnel: 4,119 m || Palude Tunnel: 2,206 m.

A3 Motorway – Salerno-Reggio Calabria – Lot 1 Italy



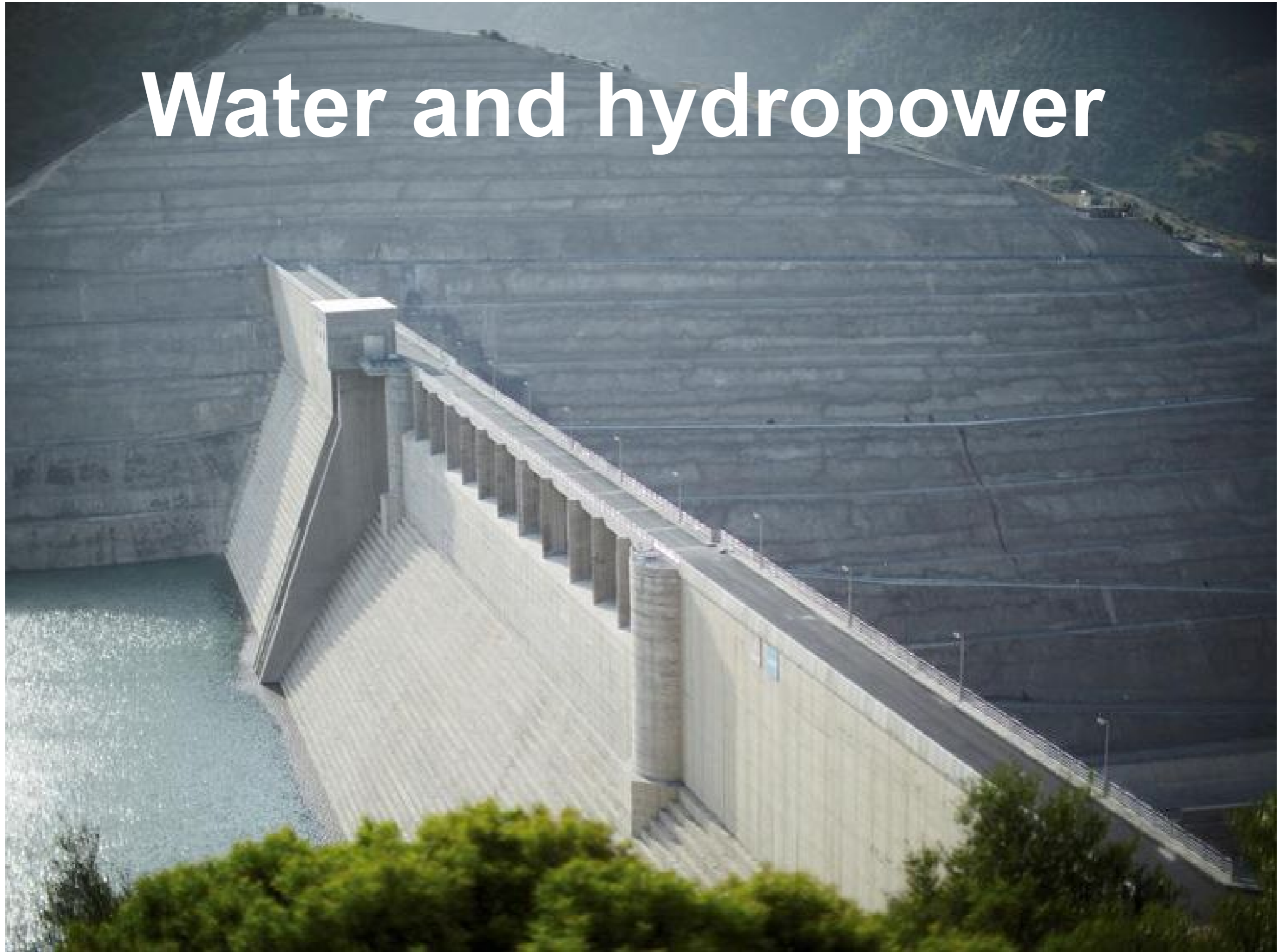
Employer: ANAS || Completion: 2009 || 28.5 km motorway || 14 km upgrading || 14.5 km new construction || 14 new bridges / flyovers || 24 new viaducts || 11 upgraded viaducts || 2 new twin-tube tunnels 6.2 km || 2 renovated twin-tube tunnels 2.4 km

East-West Highway Tolling and Facilities – Lot East Algeria



Employer: L'algerienne de Gestion des Autoroutes (AGA) || ***Completion:*** on going ||
Restructuring of 19 road junctions || construction of 34 services and maintenance office buildings, 22 toll plazas and about 120 minor buildings.

Water and hydropower



NBAQ4 – Novaliches Balara Aqueduct Philippines



Employer: Manila Water Company Inc. MWCI || **Completion:** on going || **Water transfer tunnel** 7.3km long || 3.74m excavation dia. || 1 Herrenknecht EPB TBM || **Water Treatment Plant** || **New intake tower**

Ingula Pumped Storage Plant South Africa



Employer: Eskom Enterprises || Completion: 2017 || 1332 MW pumped storage plant || 2 x 6.6 m dia., 130 m. headrace tunnels || 9.4 m. dia. tailrace tunnel || Powerhouse, transformer caverns and shafts.

Theun Hinboun Hydropower Expansion Project Lao PDR



Employer: Theun Hinboun Power Company Limited || ***Completion:*** 2012 || ***Design and Build Project*** || 5,321 m headrace TBM tunnel with internal dia. of 6.9 m || RCC dam: 65 m with a crest length of about 500 m (RCC volume about 400,000 cu.m) || new power station with one Francis type 220 MW turbine-generator

Koudiat Acerdoune Dam Algeria



Employer: Agence Nationale des Barrages – ANB || Completion: 2008 || RCC dam and associated works || 121 m high || RCC total: 1,515,000 m³ || Earthworks: 14,000 m³.

Casecnan Multipurpose Project Philippines



Employer: CE Casecnan Water and Energy Company, Inc. || **Completion:** 2001 || **EPC Contract** || 16.7km TBM tunnel || 2 Robbins double shield and 1 Wirth open TBM || 9.7 km conventional tunneling || 2 concrete gravity dams || 2x80MW underground powerhouse.

Buildings



Burj Al Fateh Complex Sudan



Employer: Libyan Arab Foreign Investment Company - LAFICO || ***Completion:*** 2008 ||
Design and Construction of a Five Stars Hotel and Commercial Development || 21 levels for a total usable surface of 45,000 m² || 240 rooms and 1 presidential suite || Shopping Centre, Conference Centre and Multi-storey parking lot.

Dal Molin Multiple Facilities Complex Italy



Employer: U.S. Navy || Completion: 2013 || Design-Build Project || 34 Multipurpose Buildings || Barracks Dormitories, Physical Fitness, POV Parkings, Vehicle Maintenance Facilities and the Brigade Headquarter || Total area involved in the project is 600,000 m², including roads, green areas and sport fields.

Sigonella Naval Air Base Mega 3 Multipurpose Buildings Italy



Employer: U.S. Navy || Completion: 2006 || Recapitalization Program NAS I – P620 || QOL Support I; P-613 || QOL Support II, P-2017 || Construct new kindergarten Center || H-588 Key & Residential Housing replacement.

University of Perugia New Medicine and Surgery Departments Italy



Employer: University of Perugia || Completion: 2010 || Design, construction and ten-year management of the new department of Medicine and Surgery || nr. 8 buildings || total (internal) area of 45,300 m² or 63,192 m² including the external areas.

“Castelli Romani” Hospital Italy



Employer: USL Rome || Completion: 2017 || Construction of a new hospital || 327 beds || 8 surgery rooms.

“Abele Ajello” Hospital Italy



Employer: USL Trapani || **Completion:** 2017 || Rehabilitation of an hospital existing section and construction of a new section || New hall, main entrance and administrative offices block || Patients services and rooms || Emergency rooms, surgery rooms, radiology, intensive care.

Ports and Maritime



Ravenna – Porto Corsini Cruise Terminal Italy



Employer: Ravenna Port Authority || Completion: 2011 || Dredging: 600,000 m³ || Quarry refilling material: 120,000 m³ || Steel Piles: 4,038,000 kg || Concrete works: 4,300 m³.

Port of Piombino Italy



Employer: Piombino Port Authority || Completion: 2018 || Dredging: 2,900,000 m³ || Quarry natural rocks: 1,691,988 tons || AZ Steel Piles: 707,000 kg || Steel Piles: 6,900,000 kg || Concrete caissons: 54,400 m³.

El Kala Fishing Port Algeria



**Employer: Wilaya de El Tarf || Completion: 2013 || New Fishing Port || Main dock: 551 m ||
Secondary dock: 335 m || Dredging works: 17,000 m³ || Reinforced concrete works: 30,000
m³.**



CONSORZIO
INTEGRA
COOPERARE PER INNOVARE

CONSORZIO INTEGRA

Introduction



CONSORZIO INTEGRA is unique among the Italian companies operating in the construction and services sector.

The characteristics of its membership base, widespread local presence, technical and economic/financial capabilities, significant order portfolio, vocation for integration between the various sectors - construction, plant, services, engineering - and the thrust towards innovation as a means for building market share are the main strengths of the Consortium.

CONSORZIO INTEGRA

Profile (2018)



INTEGRA in figures

Order portfolio



Capital



Workforce involved



Worksites assigned



CONSORZIO INTEGRA

Vision and goals



Support the gradual growth and development of the member cooperatives, in compliance with the principles of ethical, social and environmental responsibility, promoting innovation as a tool for increasing market share:

**Cooperate
to
Innovate**



Consolidate presence in the public construction market



Growth in the private market for construction and services



Growth in the public service market



Support the "sustainable" development of its member cooperatives

CONSORZIO INTEGRA

Offices



1 **Bologna**

2 **Milano**

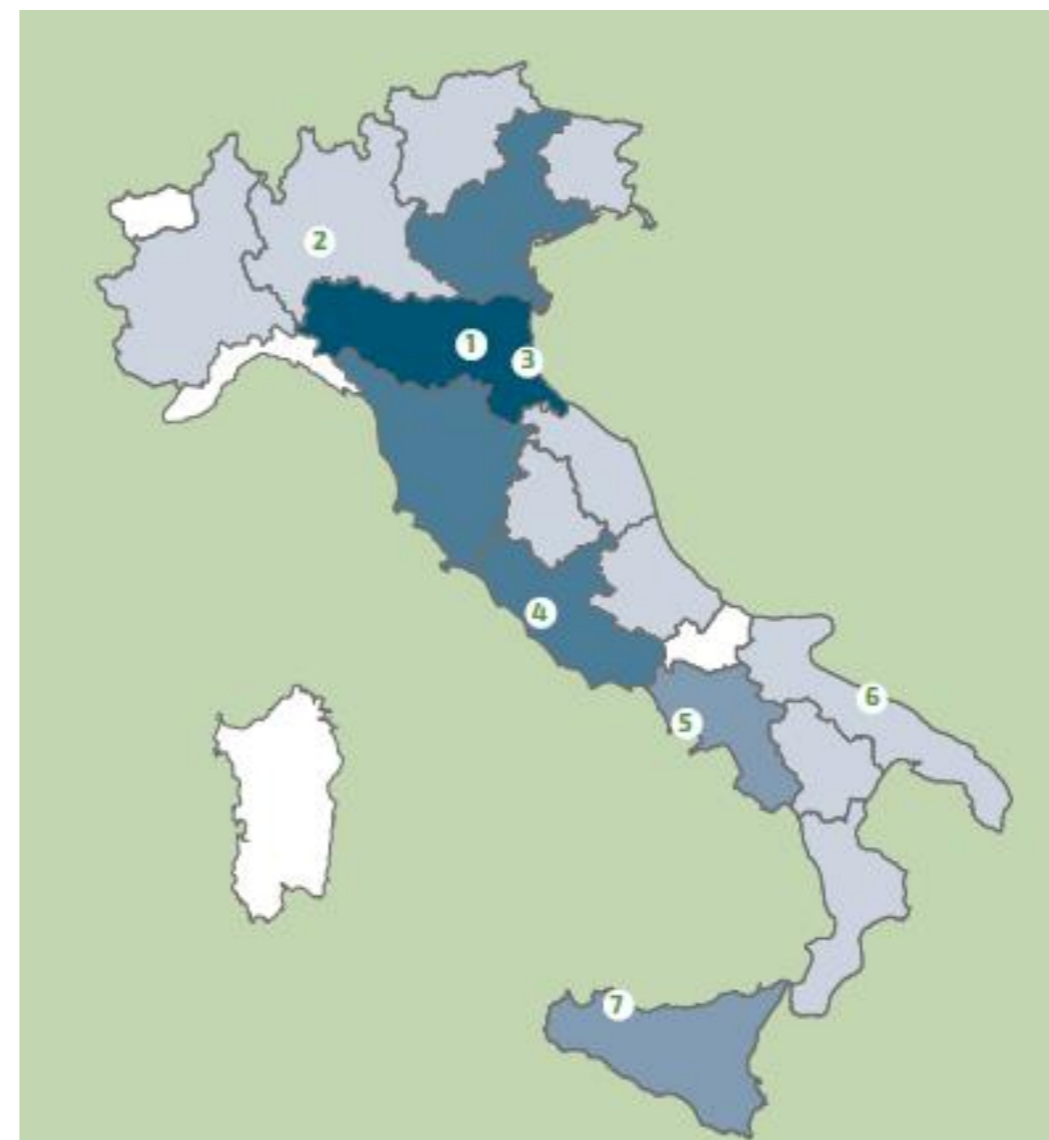
3 **Ravenna**

4 **Roma**

5 **Napoli**

6 **Bari**

7 **Palermo**



Key

■ Area with more than 50 members

■ Area with 11 to 50 members

■ Area with 6 to 10 members

■ Area with 1 to 5 members

CONSORZIO INTEGRA

Consortium members



In 2016 INTEGRA had 130 cooperative members, which increased in 2018 to reach a total of 146.



INTEGRA has 3 financing partners:

Coopfond S.p.A.

Cooperare S.p.A.

Pegaso Finanziaria S.p.A.



CONSORZIO INTEGRA

Dual governance



The consortium adopts the dual system of administration and control as its form of governance. Decision-making powers and control are, therefore, split between the Shareholders' Meeting, the Supervisory Board and the Management Board.

MANAGEMENT BOARD:

Chairman

Vincenzo Onorato

Vice Chairman

Adriana Zagarese

Member

Vincenzo Manganiello

CONSORZIO INTEGRA

Business model



Consorzio INTEGRA, firstly, creates value for the organization and for its members, and is a useful tool for competing more effectively in the market to obtain work opportunities in line with the skills and capacities of each member, at the same time safeguarding “common” consortium assets through the prevention and reduction of risks relating to breach of contractual obligations by members in the execution of the works assigned.

CONSORZIO INTEGRA

Certificates



The member cooperatives of the Consortium may, for participation in tenders, i.e. when submitting a bid as assignees of INTEGRA, make use of the significant capacity of the latter, such as the **SOA certification** of the Consortium - one of the most broad-reaching in Italy in terms of the categories of works included in the qualification - and its **possession of the requirements** for the service sector, as well as the references for all the works and services obtained by the Consortium.

CERTIFICAZIONE SOA

SOA GROUP

ATTESTAZIONE DI QUALIFICAZIONE ALLA ESECUZIONE DI LAVORI PUBBLICI
(AI SENSI DEL D.P.R. 207/2000)

... (table with columns for work categories and values) ...

... (signature lines) ...

SOA GROUP

CONSORZIO INTEGRA

Certificates



Since the start of its activities, the Consortium has adopted an Organizational, Management and Control Model (Italian Legislative Decree 231/01) which is part of the more complex Integrated Management System.



ISO 9001

ISO 14001

OHSAS 18001

UNI CEI 11352:2014

SA 8000:2014

CONSORZIO INTEGRA

Certificates



In 2017 INTEGRA was **the first firm in Italy in the public services and works sector** to obtain RINA certification of the compliance of its **Anticorruption Management System** with the ISO 37001:2016 standard.

ISO 37001:2016



CONSORZIO INTEGRA

Legality Rating



In January 2018, **INTEGRA** was awarded of “**three stars**” (the maximum score) for the legality rating, a tool developed by the Competition and Market Protection Authority (AGCM) in agreement with the Ministers for the Interior and for Justice which awards firms which operate in accordance with the principles of **legality, transparency** and **corporate responsibility**.

Legality Rating



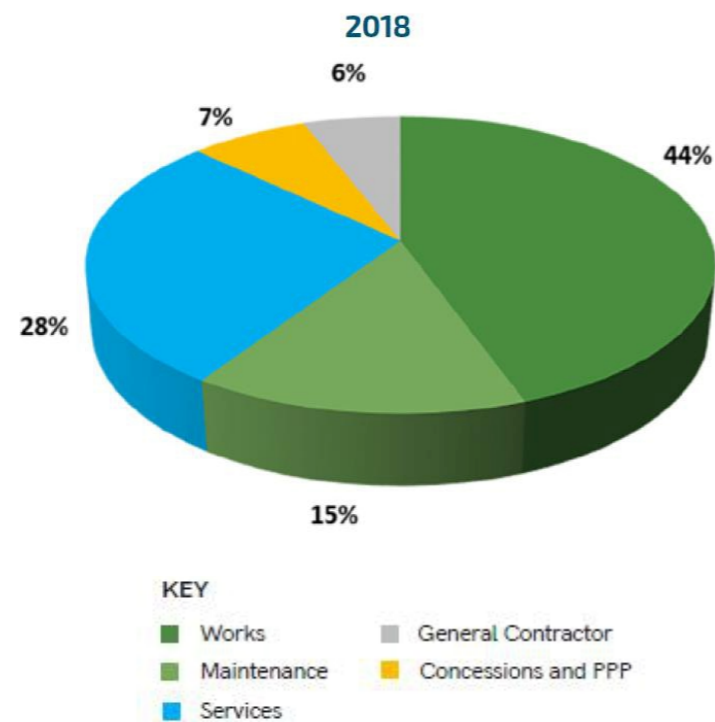
CONSORZIO INTEGRA

Order portfolio

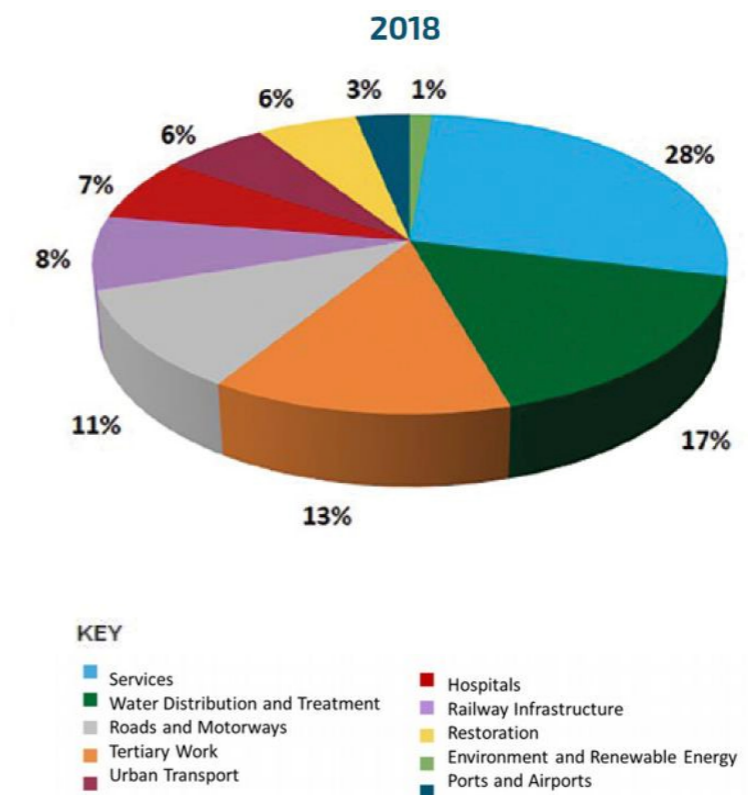


The portfolio of orders in progress is equal to €1.3 billion. In terms of “type of award” the total works portfolio is 44% Works contracts, 15% Maintenance, 28% Services, 6% General Contractor and 7% Concessions and PPP.

Total Works Portfolio (Type of Award)



Total Works Portfolio (Line of Business)





RAILWAY INFRASTRUCTURE





URBAN TRANSPORT





TERTIARY WORK AND OTHERS





HOSPITALS





RESTORATION





ROADS AND MOTORWAYS





WATER DISTRIBUTION AND TREATMENT





PORTS AND AIRPORTS





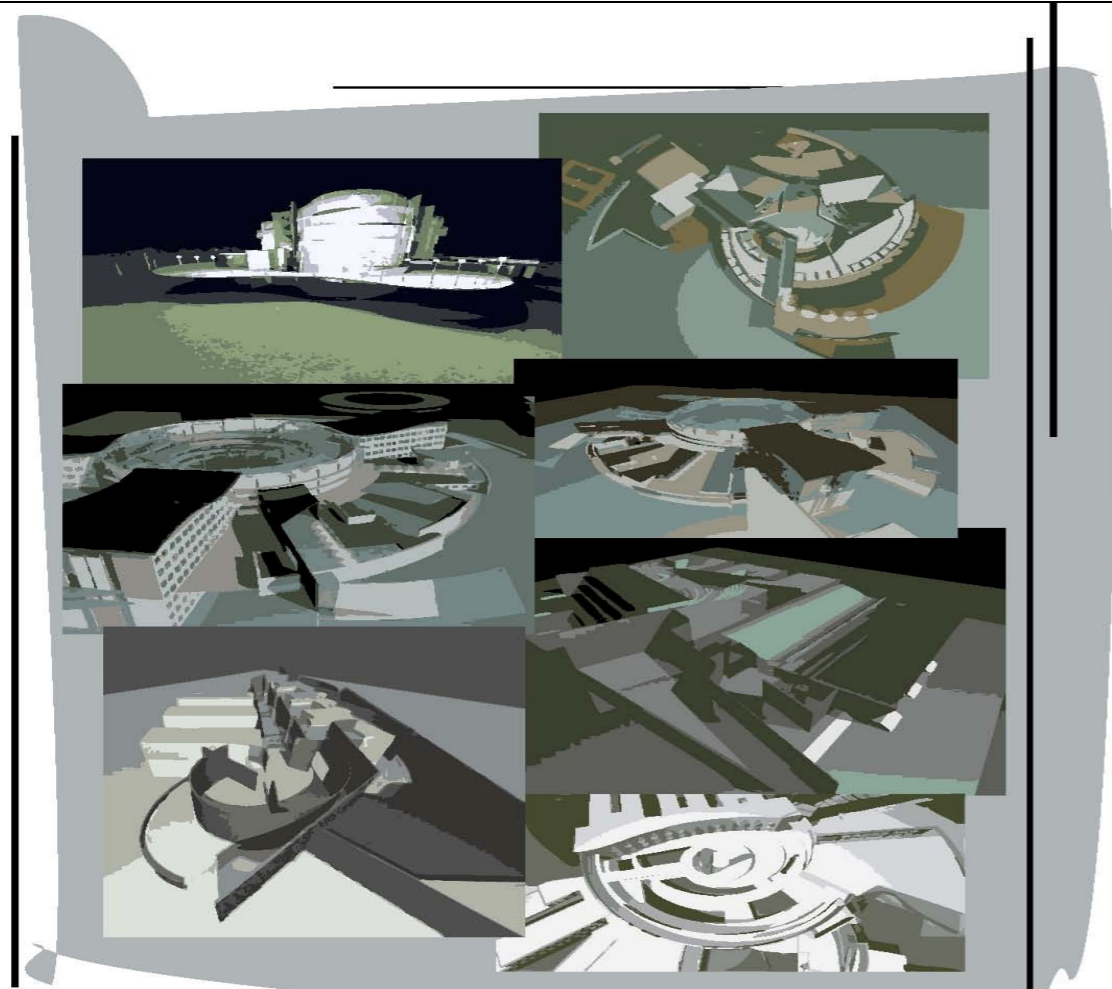
ENVIRONMENT AND RENEWABLE ENERGY; SERVICES



NPM®

H

N.P.M. HOSPITAL CONSULTING, SUPPLIER AND SERVICE S.R.L.



N.P.M. HOSPITAL CONSULTING, SUPPLIES AND SERVICE S.R.L., is able to offer innovative solutions for the design, construction, equipping and management of Hospital and nursing Home for aged, schools in Italy and abroad, and more over solution concerning renewable energy sources.

N.P.M. HOSPITAL CONSULTING, SUPPLIES AND SERVICE S.R.L., can likewise, propose feasibility studies and plan for the technical - administrative improvement of public / private hospital and nursing home.

N.P.M. HOSPITAL CONSULTING, SUPPLIES AND SERVICE S.R.L., co-ordinates a group of technical Specialists and Experts as:

- Hospital and welfare planners;
- Structural and building services engineers;
- Architects;
- Medical staff qualified in hospital and welfare;
- Organization and management;
- Experts in hospital administration and management;
- Technical specialists for the installation - assembling, training, start up, upkeep of sanitary equipment.

Hospital structures and also welfare and school ones, are very complex elements resulting from a combination of human technical and economical factors.

One of the aims of **N.P.M. HOSPITAL CONSULTING, SUPPLIES AND SERVICE S.R.L.**, is obtaining optimum conditions trough the combination of these factors.

The use of renewable energy sources is strategic anywhere in the world and most of all in poor, or developing countries.

N.P.M. HOSPITAL CONSULTING, SUPPLIES AND SERVICE S.R.L., is consequently organized to offer the most complete service and advanced technology for:

- Elaboration of feasibility study;
- Elaboration of integrated plans with use of advanced technologies;
- Co-ordination of interventions to foster the faster and most effective realization of plan structure;
- Cost rationalization and control;
- Supply of the suggested technology;
- Giving instructions, staff training within the limits of the hospital organization and hospital management;
- Organization, responsibility, supervision of hospital management through the start-up period;
- Studies, researches, plans and technical conditions of a tender in the health area;
- Medical Planning;
- Hospital, welfare and school engineering;
- Definition of typology of medical and technical equipment, health furniture, and consumables necessary;
- Design and lay-out of prefabricated hospital and any other structure;
- Design and lay-out of pharmaceutical production plants;
- Researches of national and international market of necessary sanitary materials: medical equipment, technical equipment, furniture and hospital consumables and their marketing;
- Feasibility studies and plans for System for production of galenic, disposable syringes, dialysis filter, injectable solutions;
- Feasibility studies and plans for Renewable Energy Sources (Aeolian energy, water energy, solar energy, biomasses fermentation of urban solid thrashes);
- Execution of delivery, assembly training of supply sanitary technology;
- Technical assistance and maintenance of the supplied medical technology;
- Feasibility studies and plans, for the start-up management of a new hospital structures, plants for production of electricity from renewable fonts;
- Feasibility studies and plans for realization of functional and economic optimization of management of the sanitary structure.

Health area plans:

- Plan for the creation and development of a new data-bank for Italian health sector;
- "SEROP" plan (operating service);
- Guide lines for the realization of "Third age oasis" plan;
- Guide lines for the realization of "Health island" plan;
- Guide lines for the realization of "Company Health Services" plan;
- Plan for the services and the bed confining reorganization of "Italian Health Company";
- Project Financing standard plan;

Examples of special tender and services:

- TNT covers in to operating room – in service;
- Laboratory analysis – in service;
- Radio diagnosis - in service;
- Furniture supply and assistance;
- Upkeep services – global service;
- Operating and resuscitation blocks – in service;
- Dialysis treatment – in service;

Studies and market research:

- Procedure to succeed in stipulating contracts with the public administration;
- 1993: how changes the public health;
- Main elements of the European health organization;
- Hospital noxious – toxic waste;
- News and prospects in medicine software;
- Health suggestions and assistance, for the planning of operating room;
- Hospital canteen;
- Oncology home care;
- The pain of a patient that resides in the hospital;
- Intraoperative ultrasound, equipment, probes, and applications;
- Mini invasive operating interventions.

Energetic area plans:

- Salty water desalination;
- Drinkable water plant;
- Solid waste incineration plant;
- Biomasses and organic waste fermentation plant;
- Use of solar energy, Aeolian, geothermic and marine;

**N.P.M. HOSPITAL CONSULTING,
SUPPLIER AND SERVICE S.R.L.
REFERENCES**

CESAS		
YEAR AND TYPE OF SERVICE	DESCRIPION	AMMOUNT
1995/96 Design and supply of equipment	Supply of equipment "Stolinski-Gok" with 120 beds in Starry-Oskol (Russia)	€ 2.500.000,00
1995/1997 Design and supply of equipment	Public hospital maternity and childhood "COMID" with 670 beds in Yakut (Russia)	€ 30.000.000,00
MABCO LUGANO (CH)		
YEAR AND TYPE OF SERVICE	DESCRIPION	AMMOUNT
1998 Design	Private clinic "Dar Al Shifa" with 100 beds in Kuwait City (Kuwait)	€ 400.000,00
1998 Design	Private clinic "Al Raed" with 140 beds in Kuwait City (Kuwait)	€ 400.000,00
1999 Design	Private clinic "Al Jiri" with 120 beds in Kuwait City (Kuwait)	€ 400.000,00
1999 Design	Private clinic "Al Jiri" with 120 beds in Kuwait City (Kuwait)	€ 400.000,00
1999 Design	Private clinic "Al Monawer" with 140 beds in Kuwait City (Kuwait)	€ 400.000,00
2002 Design and supply of equipment	Department of Obstetrics Hospital in Pristina (Kosovo)	€ 500.000,00
2004 Architectural and internal medical design	"Mother and Child" Hospital with 540 beds in Astana (Kazakhstan)	€ 500.000,00
2005 Design	Diagnostic center in Astana (Kazakhstan)	€ 200.000,00
2006 Design	New Presidential diagnostic hospital in Astana (Kazakhstan)	€ 200.000,00
2008 Tecnological design and lay-out	Military hospital in Astana (Kazakhstan)	€ 200.000,00
2008 Final design	Cardiac surgery hospital of 180 beds in Astana (Kazakhstan)	€ 200.000,00
MONTI FOUNDATION		
YEAR AND TYPE OF SERVICE	DESCRIPION	AMMOUNT
2000 Internal design	"Nostra Signora Buon Consiglio" Hospital in Tirana (Albania)	€ 200.000,00

CEDRI – PRIVATE CLINIC		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2000 Supply of equipment	2 operating rooms in private clinic in Fara Novarese (Italy)	€ 500.000,00
CAM – PRIVATE CLINIC		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2000 Supply of equipment	Operating theatre in private clinic in Monza (Italy)	€ 500.000,00
MEDIL		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2002 Restructuring	Clinic and analysis laboratory in Turin (Italy)	€ 500.000,00
“Madonna Del Popolo” Hospital in Omegna		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2003 Restructuring	The first floor restructuring of the hospital in Omegna (Italy)	€ 200.000,00
GEDDAFI FOUNDATION		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2004 Design	New center for research of infectious diseases in Africa in Tripoli (Libya)	€ 1.000.000,00
PIEDRA DEL SOL		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2005 Design and construction	Private ophthalmology clinic in Pontresina (Switzerland)	€ 1.500.000,00
ASL MELEGNANO		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2005 Supply of furniture	500 lockers and dressing rooms in Melzo (Italy)	€ 1.000.000,00
SAINT EGIDIO COMMUNITY		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2003 Supply	Complete HIV Laboratory in Mutoko (Zimbabwe)	€ 250.000,00
2005 Supply of furniture and medical equipment	New AIDS aboratory analysis in Maputo (Mozabico)	€ 500.000,00

SAINT EGIDIO COMMUNITY		
2005 Supply of furniture and medical equipment	New AIDS analysis laboratory in Conakry (Guinea)	€ 300.000,00
2006 Supply	Laboratory benches Centre in Arusha (Tanzania)	€ 200.000,00
2010 Supply	Laboratory benches and furniture in Congo and Malawi (Africa)	€ 200.000,00
IVORY COAST GOVERNMENT - AFRICA		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2006 Design and estimate	Dialysis center in Ivory Coast	€ 100.000,00
2006 Design and estimate	Ophthalmic center in Ivory Coast	€ 100.000,00
2006 Design and estimate	General hospital and university in Ivory Coast	€ 100.000,00
GESTO SCARL - VERONA		
ANNO E TIPO SERVIZIO	DESCRITTIVO	IMPORTO
2007 Supply of furniture and medical equipment	Installation and testing of equipment for new hospital "St. Bonifacio "in Verona (Italy)	€ 50.000.000,00
ALL THERM MALTA		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2007 Supply, installation and testing	Laboratory for the university complex Omar Al Mukhtar (Libya)	€ 9.000.000,00
2008 Design	Al Faeth University laboratory Janzour (Libya)	€ 200.000,00
2008 Supply	Appliances, equipment and hospital furniture for "Turnkey" hospital in Marj (Libya)	€ 30.000.000,00
DON GNOCCHI FOUNDATION		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2007 Supply	Equipment and furnishings for hand surgery center in Makeni (Sierra Leone)	€ 750.000,00
TECKOPIZE IRLANDA		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2008 Supply	Glassware and consumables for laboratory in Janzour (Libya)	€ 3.000.000,00



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AL SAWEDI ABU DHABI FAMILY		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2010 Design and lay-out	Maternal-child hospital of last technological and innovative generation, completed with residences designated to the elite audience in Abu Dhabi (EA)	€ 200.000,00
2011 Design	Robotic analysis laboratory in Abu Dhabi (EA)	€ 100.000,00
2011 Preliminary design	Generic drug manufacturing facility in Abu Dhabi (EA)	€ 100.000,00
BENTINI FAENZA		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2010 Design and offer	"Base de vie" Hospital in the Algerian desert support to the ENI's oil	€ 100.000,00
RSA OASI CERRO MAGGIORE		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2010 Supply	Hospital furniture, laundry equipment and kitchen installation for RSA with 120 beds in Milan (Italy)	€ 2.000.000,00
ENG. BUTTANI REAL ESTATE		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2011 Design	Generic drug manufacturing facility in Romania	€ 200.000,00
GALLOTTO - ROASIO		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2011 Supply	Medical equipment and furniture in the city of Kebbi (Nigeria))	€ 6.000.000,00
"MODENA" REAL ESTATE		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2011 Design	General cardiac hospital of 100 beds Abu Dhabi (EA)	€ 150.000,00
ARMED FORCES LEBANON		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2011 Design	Military hospital with 300 beds in Beirut (Lebanon)	€ 500.000,00



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M.A.S. REAL ESTATE CHIASSO		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2010 Design and offer	Realization of 7 hospitals with various specializations in Kurdistan	€ 200.000,00
BS MEDICAL LUGANO (CH)		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2012 Preliminary design	Production of branded drugs and vaccines in Astana (Kazakhstan)	€ 50.000,00
ONG "IMAGINE" - ROME		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2012 Design	60 beds hospital in Bunia (Congo)	€ 50.000,00
"SOLIDARY" FOUNDATION - MIAMI (U.S.A.)		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2012 Design	100 beds hospital in Lumunbasky (Congo)	€ 50.000,00
ALTAY ROMA		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2012 Supply offer	Equipment and furnishings for rebuilding of hospitals in Libya: Derna, Misrata and Narut	€ 100.000,00
2012 Turn-key offer	Mobile tents hospital in Libya	€ 50.000,00
LIBYA MINISTRY OF HEALTH		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2012 Turn-key offer"	4 mobile hospitals on trailers with different specialties in Libya	€ 50.000,00



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ALTERNATIVE ENERGIES

"ARES"		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2006 Design	Waste to energy plant of municipal waste, biomass and manure by bio fermentation in Brazil	€ 100.000,00
IVORY COAST GOVERNMENT - AFRICA		
2012 Design and estimate	Waste to energy plant of municipal solid waste in Abidjan (Ivory Coast)	€ 500.000,00
N.P.M. HOSPITAL CONSULTING, SUPPLIER AND SERVICE S.R.L.		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2009 Design	Hospital waste incineration plant for the production of energy in Lima (Peru)	€ 200.000,00
2011 Concession contract	Municipal solid waste treatment plant 1250 t. / day in Tuba (Senegal)	€ 150.000.000,00
2011 Alternative energy / Design	Municipal solid waste incineration plant 2000 t. / day in Main Comunidad of North Lima (Peru)	€ 200.000,00
PLATINUM INVESTS		
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for electricity production in Brazil	€ 200.000,00
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for electricity production in Uruguay	€ 200.000,00
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for electricity production in Panama	€ 200.000,00

PLATINUM INVESTS		
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for electricity production in Santo Domingo	€ 200.000,00
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for electricity production in Venezuela	€ 200.000,00
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for electricity production in Tunis	€ 200.000,00
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for electricity production in Romania	€ 200.000,00
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for electricity production in Equatorial Guinea	€ 200.000,00

N.P.M. Hospital VS. ENG. GALLARATI (JOINT-VENTURE)		
YEAR AND TYPE OF SERVICE	DESCRITPION	AMMOUNT
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for production of electricity in Sri Lanka	€ 200.000,00
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for production of electricity in Nigeria	€ 200.000,00
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for production of electricity in Albany	€ 200.000,00
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for production of electricity in Gabon	€ 200.000,00
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for production of electricity in Brazil	€ 200.000,00
2012 Preliminary design	Preliminary design of municipal solid waste incineration plants for production of electricity in Paraguay	€ 200.000,00

GENERAL CONTRACTOR



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