HEALTHCARE

POLITECNICA
building for humans

PORTFOLIO

We design health infrastructure that puts people, care processes and the future of healthcare at its centre.
Hospitals, research centres, rehabilitation and care facilities take shape through a multidisciplinary approach that integrates architecture, engineering and innovation. We work in balance between patient safety, performance quality, sustainability and flexibility, supporting public and private clients in delivering healthcare facilities able to meet today's needs and adapt to those of tomorrow.

01.SELECTED WORKS

A selection of the projects that best represent Politecnica's design approach, multidisciplinary expertise and experience in the Healthcare sector.

/ UNIVERSITY HOSPITALS
/ ONE HEALTH
/ DIGITAL HEALTHCARE

HOSPITAL OF BRESCIA

MAIN AND CHILDREN HOSPITAL

LOCATION	Brescia, Italy
CLIENT	ASST Spedali Civili Brescia ARIA S.p.A. Lombardy Region
YEAR	2026 - ongoing
SERVICES	Technical-Economic Feasibility Study
SCOPE	Coordination of the Technical-Scientific Committee Planning, monitoring and cost control Healthcare Layout Healthcare Building and Accreditation Structures and Seismic Engineering Geotechnical Engineering Mechanical and Plumbing Systems Electrical and Special Systems Building automation systems Fire Protection Sustainability Energy Environmental Assessments Acoustics Healing gardens Roads Transport Modelling Hydrology and Hydraulics Health & Safety Construction Site Planning BIM Management
PARTNERS	Park Associati CRA Carlo Ratti Associati Openfabric Dotdotdot Eckersley O'Callaghan Studio Mattioli
SIZE	60.500 m^2 net floor area

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The new campus transforms one of Lombardy's leading healthcare complexes, embracing the complexity of the context as a design resource. The project recognises the historic and urban value of the Spedali Civili and reinterprets it in a contemporary key, with the aim of building a more legible, accessible and integrated system.

The project works on **three complementary levels**: continuity with the architectural memory of the existing hospital, the functional reorganisation of clinical and logistical routes, and the definition of a new public landscape able to connect care, university, research and urban life.

The **One Health** principle guides the entire design. Individual health is understood as part of a wider system, in which the quality of spaces, environmental comfort, accessibility, greenery, sustainable mobility and the relationship with the community all contribute to building a new model of healthcare infrastructure.

The project is organised into **two main buildings**. The **Main Hospital** reinterprets the radial logic of the historic hospital through three interconnected wings, open towards the city and oriented to the landscape of the Brescia foothills. On the ground floor, a continuous glazed lobby defines the urban threshold of the project, opening onto a new public square and making the hospital a permeable, recognisable and accessible place.

The internal organisation favours clear layout, intuitive orientation, natural light and environmental comfort. The principles of **Healing Architecture** are translated into measurable design choices: control of light quality, acoustic comfort, calibrated proportions and views towards the landscape. Each room is conceived as a space of decompression, in which the visual relationship with the outside becomes an integral part of the care experience.

The **Children Hospital** is conceived as an autonomous, protected organism made up of three cylindrical volumes of different heights. Terraces and internal courtyards, like a therapeutic garden, will bring nature into direct contact with the wards, while the entrance lobby, organised around a large full-height atrium, will house play areas and consultation spaces in a bright, protected setting.

The central element of the project is the **CareRing**: a continuous ring of over one kilometre that organises mobility, logistics and public life. More than a simple infrastructure, the CareRing is a landscape device that connects the campus to the city, separating technical and operational flows underground from clinical routes and unfolding at surface level as a continuous green system.

Landscape, movement and hospital functions thus converge in a single spatial figure, an expression of the One Health principle and of the idea that human health is inseparable from environmental quality.

The new complex is conceived as **an open system**, able to evolve over time together with medical technologies, organisational models and the needs of contemporary healthcare. The hybrid timber-and-steel structure, dry-assembled, helps reduce the carbon footprint, optimise construction times and ensure the modularity of spaces for possible future reconfigurations.

The **digital dimension** runs through the project as an integrated infrastructure: smart wayfinding systems, flow management, environmental monitoring and support for the use of spaces improve efficiency, accessibility and safety without overriding architectural quality.

The building envelope actively contributes to the building's environmental performance. The façades integrate solar-control strategies, energy optimisation and visual continuity, balancing internal comfort, natural light and the relationship with the landscape.

HOSPITAL ISMETT 2

HIGHLY SPECIALISED HEALTHCARE FACILITY

LOCATION	Carini, Italy
CLIENT	UPMC Italy S.r.l.
YEAR	2025 - ongoing
SERVICES	Developed Design review and Value Engineering study Technical-Economic Feasibility Study for the Services Conference Preparation of Environmental Assessment documentation (Appropriate Assessment / EIA review) Detailed Design
SCOPE	Project Coordination Project and cost control Architecture Healthcare Layout Building Envelope and Façades Structures and Geotechnical Engineering Mechanical Systems Plumbing Systems Electrical and Special Systems Territory and Landscape Infrastructure and Roads Hydrology and Hydraulics Relations with Authorities and Stakeholders BIM Management
PARTNERS	Preliminary and Developed Design: RPBW Renzo Piano Building Workshop in collaboration with Progetto CMR
SIZE	68.300 m^2 net floor area

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ISMETT 2 is the new highly **specialised hospital** in Carini (Palermo), an expansion of ISMETT in Palermo and **a reference transplant centre for the Mediterranean**. It is part of an **integrated care-and-research system**, alongside the Centre for Biotechnology and Biomedical Research, on a site of about 16 hectares.

The building has **an H-shaped plan**, symmetrical about the entrance lobby, and rests on a base blended into the greenery. On the ground floor it opens to the city with a **public outpatient area**: a **wayfinding** system and the separation of flows - patients, visitors, vehicles, logistics - translate complexity into clear routes. Extensive **green roofs**, with a landscape and therapeutic role, complete the relationship with nature.

Conceived as **an efficient infrastructure open to technological evolution**, it integrates provision for AGVs, vertical silos and pneumatic transport, a mixed structure of concrete, precast elements and steel, and prefabricated systems for façades, bathrooms and stairs. With **250 beds** and developed in **BIM**, the project sees **Politecnica**, as part of a consortium, handle the review of the Developed Design, the Technical-Economic Feasibility Study and the Detailed Design based on the concept by **Renzo Piano Building Workshop** with Progetto CMR.

HOSPITAL OF CREMONA

HOSPITAL COMPLEX
2ND PLACE, INTERNATIONAL COMPETITION

LOCATION	Cremona, Italy
CLIENT	Azienda Socio-Sanitaria Territoriale Cremona
YEAR	2024
SERVICES	Technical-Economic Feasibility Study
SCOPE	Healthcare Layout Structures Mechanical and Plumbing Systems Electrical and Special Systems Fire Protection Health & Safety
PARTNERS	Park Associati Michel Desvigne Paysagiste S.a.r.l. Studio Mattioli S.r.l.
SIZE	100.250 m^2 net floor area

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The **New Hospital of Cremona** stands on the boundary between town and countryside, where the dense network of **Lombard farmsteads** becomes the matrix of the design: two **open-courtyard buildings**, one facing the countryside, the other the town, with a rotated wing generating the entrance square. A system of bridges converges on the **central Showcase**, a full-height green void and the public heart of the hospital. The client is ASST di Cremona; the facility has **445 beds**.

The hospital and **Health Park** are conceived as a single healing environment. The park, laid out as woodland with the Clearing as a green amphitheatre, offers spaces for sport, ecosystem, education and community; inside, patios and therapeutic gardens bring light and nature into the wards, which are naturally lit for over 90% of daylight hours.

Conceived as **a flexible organism**, it adopts an 8×8 m structural grid and a 2 m façade module that allow spaces to be reconfigured and single rooms to be turned into doubles. Logistics are automated — AGVs, RGVs, pneumatic mail and vertical silos — for hygiene and efficiency.

The building is **NZEB**: heat pumps, photovoltaics, reuse of rainwater and greywater, and a design that **reduces the carbon footprint by 65%** compared with a standard hospital (stages A1–A3, LCA).

HOSPITAL OF PADUA

UNIVERSITY HOSPITAL COMPLEX

LOCATION	Padua, Italy
CLIENT	Azienda Ospedale Università Padova
YEAR	2022 - ongoing
SERVICES	Technical-Economic Feasibility Study
SCOPE	Project Coordination Project and cost control Quality, Cost and Time Control Project Management WBS Parametric Scheduling Information Flows Healthcare Layout Healthcare Building and Accreditation Architecture Structures Mechanical Systems Plumbing and Medical Gas Systems Electrical and Special Systems Hydrology and Hydraulics Fire Protection Acoustics Healing gardens Wayfinding and Interior Design Utilities and External Works Roads and Mobility Environmental Sustainability and CAM Quantity Surveying BIM Management
PARTNERS	ATI Project Cooprogetti Techint
SIZE	212.000 m^2 net floor area

The **New Padua East Hospital Complex**, in the San Lazzaro district, is a **highly specialised hub** of national and cross-regional importance, set to become one of Italy's leading healthcare complexes. On a site of about **40 hectares** and over **200.000 sqm** of built area, it brings together **963 beds** - of which 90 in intensive care - together with research and teaching functions and 58 primary departments.

The complex is organised into **four building blocks**: a Day Center for outpatient activities, a high-intensity-care podium with emergency department and operating block, a Ward Tower and a Research Tower. Facilities include **40 operating theatres**, 280 outpatient clinics and 12.000 sqm of laboratories.

Conceived as **Italy's first post-pandemic hospital**, it integrates multimodal accessibility - a new tram line, heliport and vertiport - and a **fully automated logistics system**: vertical silos, pneumatic transport, AGVs, RGVs and PTS. The building is **nZEB**, with on-site photovoltaic generation and a strong relationship between care spaces, greenery and landscape.

HOSPITAL OF LIVORNO

CITY HOSPITAL

LOCATION	Livorno, Italy
CLIENT	Azienda USL Toscana Nord
YEAR	2023 - ongoing
SERVICES	Technical-Economic Feasibility Study
SCOPE	Structures Fire Protection Acoustics Information and Communication Technologies Environment
PARTNERS	Rossiprodi Associati Arch. Massimo Moglia Prodim LAND Italia Dott. Giorgio Della Croce
SIZE	88.500 m² net floor area

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The **new Livorno City Hospital** arises from the redevelopment of the former Pirelli site and part of Parco Pertini, in continuity with the Spedali Riuniti. Not a healthcare enclave but a **“piece of city”**, permeable, with services open to the public and a close relationship with greenery and the neighbourhood. The client is Azienda USL Toscana Nord Ovest.

With about **88.500 sqm** and **488 beds** - of which 344 high-care and 40% in single rooms - the hospital is developed on a **three-level base podium**, topped by a two-storey ward block. The structure is organised into **four areas** - Emergency, Surgical, Medical-Oncological and Maternal-and-Child - to optimise routes and share staff and equipment.

The project adopts the principles of **healing architecture**: a green roof mantle, terraces with healing gardens, natural light in the intensive-care units and spaces for staff wellbeing. Sustainability relies on 7.000 sqm of photovoltaics, recycled materials, rainwater harvesting and soft mobility.

HEALTH & SCIENCE CITY OF NOVARA

UNIVERSITY HOSPITAL COMPLEX

LOCATION	Novara, Italy
CLIENT	Consorzio Stabile SIS S.c.p.a. and ABP Nocivelli S.p.A. for final beneficiary: AOU Maggiore della Carità di Novara
YEAR	2024 - ongoing
SERVICES	Preliminary Design Developed Design
SCOPE	Project Coordination Architecture Mechanical Systems Hydraulic-Sanitary Systems Fire Protection Acoustics Sustainability Healthcare Layout Healthcare Building and Accreditation Wayfinding and Interior Design Utilities and External Works BIM Management
PARTNERS	Sipal Cooprogetti
SIZE	324.300 m^2 net floor area

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The **Città della Salute e della Scienza in Novara** replaces the current Ospedale Maggiore della Carità with a new complex integrating **clinical care, university teaching and research**, serving a catchment of over **400.000 residents** and on an urban area now derelict, returned to public use.

With over **200.000 sqm** of built area and **711 beds**, the complex brings together the hospital, a maternal-and-child area, a university building with lecture rooms and laboratories, administration, a multi-storey car park and a nursery. Compared with the brief, the project proposes a **more compact and efficient configuration**, with optimised volumes, streamlined internal flows and reduced building impact.

Developed in a **BIM environment** with a **fast-track** methodology, it integrates automated logistics, advanced environmental control and the separation of technical routes from clinical ones. The approach is **person-centred**: bright interiors, green areas visible from the wards and intuitive routes, attentive to the comfort of patients, caregivers and staff.

ZEALAND HOSPITAL

UNIVERSITY HOSPITAL COMPLEX

LOCATION	Køge, Denmark
CLIENT	KHPT: Joint Venture between Itinera (Gavio Group – Lead), C.M.B. (Member) for the Danish Regional Authority “Region Zealand”
YEAR	2018 - 2023
SERVICES	Technical-Economic Feasibility Study (based on the Client's concept) Developed Design Detailed Design
SCOPE	Project Coordination Architecture Environment and Landscape / Structures Systems Infrastructure Sustainability Hydrology and Hydraulics Engineering Fire Prevention BIM Management
PARTNERS	EKJ Consulting Engineers A/S
SIZE	115.000 m² net floor area

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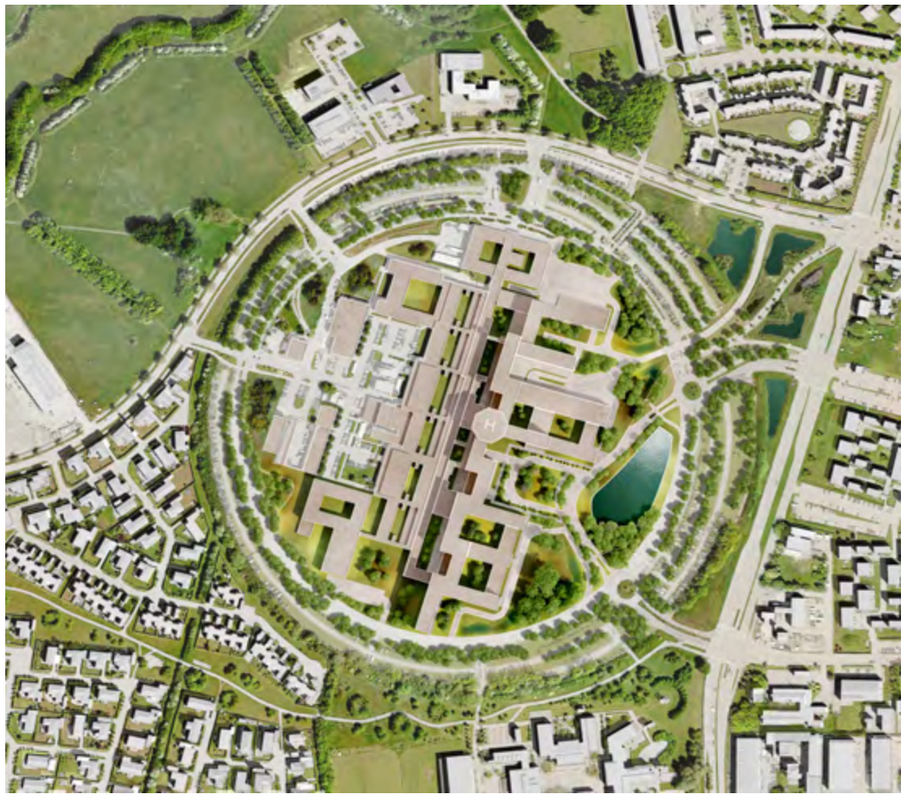
The **Zealand University Hospital in Køge**, south of Copenhagen, is the extension and reconstruction of the existing hospital for **Region Zealand**. The project transforms it into a **university hub for the biomedical sciences**, set to become the largest hospital in the region and one of the largest in Northern Europe.

The project integrates the existing facility with **114.000 sqm** of additional space, bringing capacity to **789 beds** and concentrating wards, emergency services and research functions in a single complex. The most demanding aspect was delivering it **while keeping the hospital fully operational** throughout the construction works, with tight planning and coordination between designers, contractors and healthcare staff.

Central to the project is the use of **prefabrication**: precast reinforced-concrete floor beams and a modular-panel façade, compliant with the European Building Class 2020 requirements. The building is **integrated into the landscape** with a planting scheme of native species and courtyards and themed routes conceived as spaces of care.



NEW GALLIERA HOSPITAL

HOSPITAL COMPLEX

LOCATION	Genoa, Italy
CLIENT	Ente Ospedaliero Ospedali Galliera Genova
YEAR	2018 - 2021
SERVICES	Developed Design Health & Safety Coordination during Design
SCOPE	Project Coordination Project Control Architecture Structures BMS Design Energy Sustainability Geology BIM Management
PARTNERS	Mythos Consorzio Stabile S.C.A.R.L. 3TI Progeti S.p.A. Arch. Roberto Burlando
SIZE	70.200 m² net floor area

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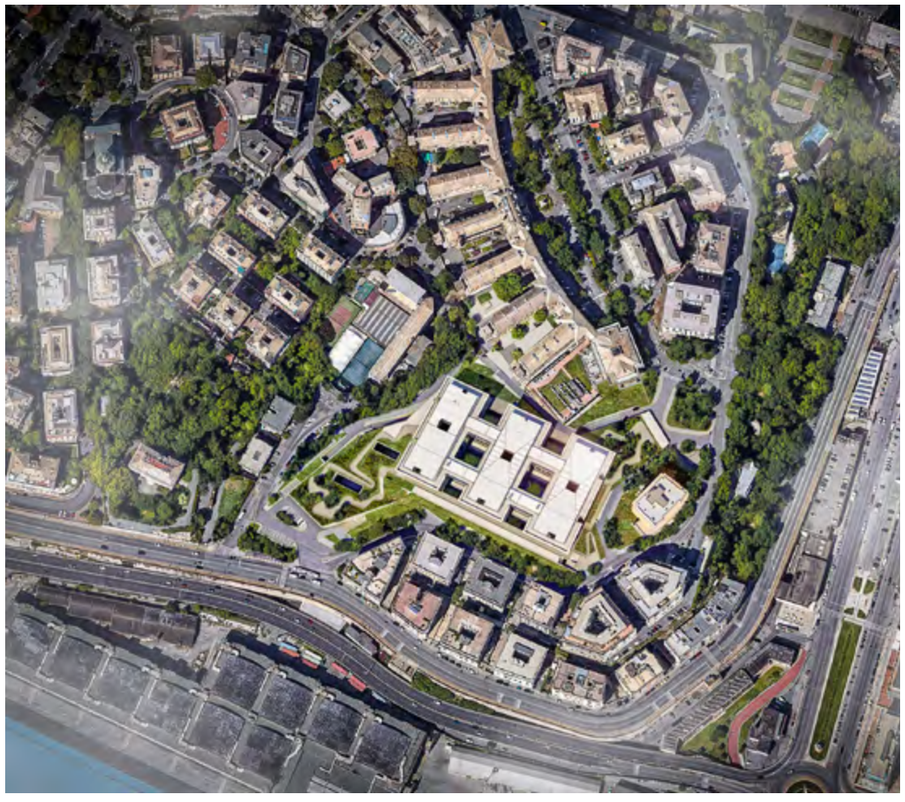
The **New Galliera Hospital** renews, in the hillside district of Carignano, a historic, highly specialised Genoese facility founded in 1877. On a complex, protected site overlooking the sea, the project replaces the no-longer-efficient pavilions with new volumes concentrating the key departments - from the Emergency Department to the operating block, from diagnostics to the wards - for a total of **404 beds**. The client is the Ente Ospedaliero Ospedali Galliera.

The concept is that of a **green hospital within the city**: a partly underground clinical podium, with basement parking, is topped by three ward blocks that appear to float above **roof gardens**. These green roofs mitigate the heat-island effect and become urban parks open to the public too, mending the relationship between hospital and neighbourhood.

The ward volumes, arranged as a **quintuple-bay block**, are protected by vertical white fibre-cement brise-soleil that ensure privacy, shading and open views, in keeping with the protected monumental building.

The complex has a **net floor area of 70.230 sqm** over eight levels, for a works value of about **122 million euros**. The design was carried out entirely in **BIM**, also for management and maintenance purposes.



HOSPITAL OF PORDENONE

HOSPITAL CENTRE AND HEALTH CITADEL

LOCATION	Pordenone, Italy
CLIENT	Azienda Sanitaria Friuli Occidentale
YEAR	2016 - 2023
SERVICES	Preliminary Design Developed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
SCOPE	Project Coordination General Construction Supervision Quality, Cost and Time Control Architecture Hospital Functions/Flows Building Services Structures Fire Prevention Health & Safety BIM Management
PARTNERS	STEAM S.r.l. Cooprogetti s.c.r.l. Pinearq S.L.P.
SIZE	82.500 m² net floor area

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Opened in December 2024, the **New Hospital of Pordenone** is the main healthcare facility of Western Friuli. Built for the Azienda Sanitaria Friuli Occidentale (AS FO), it brings together in a single complex all the functions for treating acute conditions, from the Emergency Department to the operating block and the wards, with **475 beds**.

The architecture, understated yet iconic, stems from the idea of **urban integration**: a horizontal base harmonises in height, colour and permeability with the surrounding fabric, reinterpreting the arcade typical of Pordenone, while the ward blocks rise above. The **green internal courtyards** and the greened roofs bring in natural light and improve insulation and environmental quality.

Conceived according to the principles of **Lean Healthcare**, it clearly separates the flows of patients, staff and visitors and adopts a modular, seismic-resistant layout that can be quickly reconfigured. The building services integrate trigeneration, heat pumps, photovoltaic and solar-thermal systems and a dual network for water reuse.

The complex has a **gross floor area of 82.500 sqm** over seven above-ground floors, for a works value of **276 million euros**. The design, carried out entirely in **BIM**, produced the Digital Twin for predictive maintenance.

NEW FELETTINO HOSPITAL

HOSPITAL COMPLEX

LOCATION	La Spezia, Italy
CLIENT	Agenzia Regionale Infrastrutture Recupero Energia Liguria S.p.A.
YEAR	2010 - 2014 (Phase I) 2020 - 2021 (Phase II)
SERVICES	Phase I: Preliminary Design Developed Design Health & Safety Coordination during Design Phase II: Preliminary Design update
SCOPE	Project Coordination Quality, Cost and Time Control Architecture Hospital Functions/Flows Building Services Sustainability and CAM Structures Urban/Environmental Impact Fire Prevention Hydrology and Hydraulics Roads and Mobility Geology Acoustics Health & Safety BIM Management
PARTNERS	Hopkins Architects (Phase I)
SIZE	60.000 m² net floor area

The **New Hospital of La Spezia** occupies a panoramic position above the city, among olive groves and a historic garden, overlooking the Gulf of Poets. Designed for a **Level II Emergency Department**, it brings together in a single complex the activities of the existing Felettino, Sant'Andrea and San Bartolomeo facilities, serving as a point of reference for Liguria and neighbouring regions. For the client IRE S.p.A. it provides **506 beds** (of which 34 in intensive care) and **12 operating theatres**.

The building is organised into **four fan-shaped building blocks**, connected by a central spine that generates three large courtyards. The geometry follows the slope of the terrain and opens most of the façades to the south, towards the city and the sea; the courtyards host **roof gardens** and a strip of protected greenery set out as parkland.

Conceived for **flexibility**, it adopts a quintuple-bay module on a 7,5×7,5 m structural grid, with double-pendulum seismic isolators, a ventilated terracotta façade and prefabricated elements for façades and bathrooms.

The complex has a **floor area of over 66.000 sqm** over seven above-ground floors. The building services integrate a **trigeneration system**, rooftop photovoltaics and BMS supervision; the entire design was carried out in **BIM**.

EAST AFRICAN KIDNEY INSTITUTE

HIGHLY SPECIALISED
HEALTHCARE FACILITY

LOCATION	Nairobi, Kenya
CLIENT	Ministry of Health of Kenya with funding from African Development Bank
YEAR	2016 - ongoing
SERVICES	Tender Design Technical-Economic Feasibility Study Developed Design Detailed Design Construction Supervision
SCOPE	Project Coordination General Construction Supervision Architecture Hospital Functions/Flows Medical Equipment Structures Logistics
PARTNERS	IRD Engineering S.r.l. DBA Group S.p.A.
SIZE	15.000 m² net floor area

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HOSPITAL OF SASSARI

UNIVERSITY HOSPITAL COMPLEX

LOCATION	Sassari, Italy
CLIENT	Azienda Ospedaliero-Universitaria Sassari
YEAR	2015
SERVICES	Preliminary Design Construction Supervision
SCOPE	Project Coordination General Construction Supervision Architecture Hospital Functions/Flows Building Services Fire Prevention Geology
PARTNERS	C.F. Møller Architects Metassociati S.r.l. SPA Studio Professionisti Associati S.r.l.
SIZE	38.800 m² net floor area

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02.EXTENDED WORKS

A collection of references conveying the breadth and continuity of the experience Politecnica has built in the Healthcare sector.

/ ACUTE CARE

/ SCIENCE & RESEARCH

/ REHABILITATION & CARE

ACUTE CARE

HOSPITALS, EMERGENCY DEPARTMENTS, OPERATING THEATRES, ICU/INTENSIVE CARE

Over fifty years of experience in the evolution of the hospital.

From the upgrading of existing facilities to the delivery of new hospital complexes, the projects gathered here reflect the ability to **support the evolution of healthcare** through complex projects, often carried out while ensuring continuity of care.

HOSPITAL OF CARPI

LOCATION	Carpi, Italy
CLIENT	CMB (JV Lead) with CPL Concordia, ITI Impresa Generale and Arcoservizi (Members) for Emilia-Romagna Regional Health Service, AUSL di Modena
YEAR	2026
SERVICES	Feasibility Study for project financing (Art. 6-bis of Annex I.7)
PARTNERS	Manens S.p.A.

A public-private partnership proposal for the **New Hospital of Carpi**, for **AUSL di Modena**. A **"full electric" and carbon-free hospital**, with a 900 kWp photovoltaic system, **NZEB improved by over 30%** and **flexible wards** with "flex" rooms that can be activated in a pandemic emergency.

HOSPITAL OF PIACENZA

LOCATION	Piacenza, Italy
CLIENT	CMB (JV Lead) with Siram, Arcoservizi, Impresa Cogni and Edilstrade Building (Members) for Emilia-Romagna Regional Health Service, AUSL di Piacenza
YEAR	2025
SERVICES	Feasibility Study for project financing (Art. 6-bis of Annex I.7)
PARTNERS	Binini Partners Prodim

A proposal in **public-private partnership** for the **New Hospital of Piacenza**, for AUSL di Piacenza. The building is organised around a **central spine** that orders routes and flows, with an Emergency Department, ambulance bay and helipad and flexible wards, including infectious-disease sections that can be rapidly expanded in an emergency.

ARNOS VALE ACUTE CARE HOSPITAL PROJECT

LOCATION	Arnos Vale, Saint Vincent and The Grenadines
CLIENT	Economic Planning Division Ministry of Finance Saint Vincent and the Grenadines
YEAR	2025 - ongoing
SERVICES	Construction Supervision
PARTNERS	-

New **state reference hospital of Saint Vincent and the Grenadines**, funded by the World Bank under the disaster-vulnerability reduction programme. It stands on the former runway of Arnos Vale airport, initiating the urban development of the area, and is designed to withstand the island's frequent natural events. About **20.000 sqm**, developed in co-design with the medical staff who will occupy the facility.

HOSPITAL OF ODERZO

LOCATION	Oderzo, Italy
CLIENT	Azienda ULSS n. 2 Marca Trevigiana
YEAR	2024 - ongoing
SERVICES	Technical-Economic Feasibility Study
PARTNERS	GAIA Progetti Cooprogetti S.C.R.L. SAMA Scavi Archeologici Deerns Italia S.pA.

The **Oderzo Hospital** is being upgraded and seismically retrofitted while remaining in operation. For ULSS2 Marca Trevigiana, Phase 1B delivers a new **multi-purpose block** (diagnostic imaging and about 40 inpatient beds) adjoining the hospital and a new **mortuary** with a place of worship. Value of the works about **20,3 million euros**.

HOSPITAL AND UNISR CAMPUS SAN RAFFAELE

LOCATION	Sesto San Giovanni (MI), Italy
CLIENT	GSD Real Estate S.r.l. for IRCCS Ospedale e Università Vita-Salute San Raffaele
YEAR	2021 - 2022
SERVICES	Technical-Economic Feasibility Study Developed Design
PARTNERS	-

NEUROLOGY AND STROKE UNIT S. GIOVANNI ADDOLORATA HOSPITAL

LOCATION	Rome, Italy
CLIENT	Azienda Ospedaliera "Complesso Ospedaliero San Giovanni - Addolorata"
YEAR	2026 - ongoing
SERVICES	Technical-Economic Feasibility Study Detailed Design
PARTNERS	-

EMERGENCY DEPARTMENT S. MARIA DELLE CROCI HOSPITAL

LOCATION	Ravenna, Italy
CLIENT	Azienda AUSL Romagna
YEAR	2022 - 2026
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

GEORGETOWN PAEDIATRIC AND MATERNAL HOSPITAL

LOCATION	Georgetown, Guyana
CLIENT	Confidential
YEAR	2020 - 2024
SERVICES	Detailed Design
PARTNERS	-

HUAMBO THREE MOD MILITARY HOSPITALS

LOCATION	Huambo, Luena and Cabinda (Angola)
CLIENT	Confidential
YEAR	2022 - ongoing
SERVICES	Detailed Design
PARTNERS	-

HOSPITAL GERAL DO ZAIRE

LOCATION	M'banza-Kongo, Angola
CLIENT	Confidential
YEAR	2023 - 2025
SERVICES	Detailed Design
PARTNERS	-

INTENSIVE / SEMI-INTENSIVE CARE S. MARIA ANNUNZIATA HOSPITAL

LOCATION	Bagno a Ripoli, Italy
CLIENT	Azienda USL Toscana Centro
YEAR	2022 - 2023
SERVICES	Developed Design Detailed Design Health & Safety Coordination during Design
PARTNERS	-

EMERGENCY DEPARTMENT, ALTA VAL D'ELSA HOSPITAL

LOCATION	Poggibonsi, Italy
CLIENT	Azienda USL Toscana Sud Est
YEAR	2021 - ongoing
SERVICES	Technical-Economic Feasibility Study Developed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	Rossiprodi Associati S.r.l.

EMERGENCY DEPARTMENT MUGELLO HOSPITAL

LOCATION	Borgo San Lorenzo, Italy
CLIENT	Azienda USL Toscana Centro
YEAR	2023 - ongoing
SERVICES	Technical-Economic Feasibility Study
PARTNERS	-

SUB-INTENSIVE CARE AND CCU HOSPITAL OF PRATO

LOCATION	Prato, Italy
CLIENT	Azienda USL Toscana Centro
YEAR	2021 - ongoing
SERVICES	Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

INTENSIVE CARE HOSPITAL OF EMPOLI

LOCATION	Empoli, Italy
CLIENT	Azienda USL Toscana Centro
YEAR	2022 - ongoing
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

EMERGENCY DEPARTMENT OF GUASTALLA

LOCATION	Guastalla, Italy
CLIENT	Azienda USL Reggio Emilia
YEAR	2020 - 2021
SERVICES	Detailed Design
PARTNERS	-

VOLANO BUILDING POLICLINICO SAN DONATO

LOCATION	S. Donato Milanese, Italy
CLIENT	Azienda Ospedaliero-Universitaria Umberto I
YEAR	2021 - ongoing
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design
PARTNERS	-

SANTA MARIA HOSPITAL ALLE SCOTTE

LOCATION	Siena, Italy
CLIENT	Azienda Ospedaliero Universitaria Senese
YEAR	2021 - 2025
SERVICES	Seismic Retrofit of Lots 1, 2 and 3: Technical-Economic Feasibility Study Developed Design
PARTNERS	SITingegneria S.r.l. SM Ingegneria S.r.l. GEOSOL S.r.l.

INTENSIVE CARE PAVILION, SACCO HOSPITAL

LOCATION	Milan, Italy
CLIENT	ASST Fatebenefratelli Sacco
YEAR	2021 - 2023
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design
PARTNERS	-

EMERGENCY DEPT. AND INTENSIVE CARE, HOSPITAL OF CREMONA

LOCATION	Cremona, Italy
CLIENT	Azienda Socio Sanitaria Territoriale Cremona
YEAR	2021 - ongoing
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

EMERGENCY DEPARTMENT HOSPITAL S. MARIA ANNUNZIATA

LOCATION	Florence, Italy
CLIENT	Azienda ASL 10 Firenze
YEAR	2015 - 2020
SERVICES	Technical-Economic Feasibility Study Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

POLICLINICO UMBERTO I OF ROME

LOCATION	Rome, Italy
CLIENT	Azienda Ospedaliero-Universitaria Umberto I
YEAR	2019 - ongoing
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design
PARTNERS	Tecnicaer Engineering S.r.l. GMN Engineering S.r.l. MDM Archeologia Dott.ssa Claudia Carboni

NATIONAL HUBS FOR INTENSIVE CARE

LOCATION	Modena and Baggiovara, Italy
CLIENT	Emilia-Romagna Regional Health Service
YEAR	2020
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

PAEDIATRIC HOSPITAL G. ALEXANDRESCU EMERGENCY

LOCATION	Bucharest, Romania
CLIENT	Romania Ministry of Health with World Bank funding
YEAR	2015 - ongoing
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

HOSPITAL OF UDINE (LOTS III-IV)

LOCATION	Udine, Italy
CLIENT	Azienda Sanitaria “Udine Universitaria Integrata”
YEAR	2018 - ongoing
SERVICES	Construction Supervision Health & Safety Coordination during Construction
PARTNERS	Pool Milano S.r.l. ETS S.p.A. CP Ingegneria Studio Associato Studio Ing. Massimo Cisilino

GIUSEPPE FORNAROLI HOSPITAL OF MAGENTA

LOCATION	Magenta, Italy
CLIENT	Azienda ASST Ovest Milanese
YEAR	2017 - 2018
SERVICES	Developed Design Detailed Design Health & Safety Coordination during Design
PARTNERS	Mythos Consorzio Stabile S.c.a r.l.

ARMENIAN RADIOTHERAPY AND ONCOLOGY CENTRE

LOCATION	Yerevan, Armenia
CLIENT	Armenia Ministry of Health with World Bank funding
YEAR	2014 - 2016
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design
PARTNERS	IRD Engineering S.r.l.

S. SOFIA N.C.U. CLINICAL INSTITUTES OF CATANIA

LOCATION	Catania, Italy
CLIENT	Azienda Ospedaliero-Universitaria “Policlinico Vittorio Emanuele”
YEAR	2002 - 2015
SERVICES	Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

S. SOFIA N.C.U. EMERGENCY DEPARTMENT OF CATANIA

LOCATION	Catania, Italy
CLIENT	Azienda Ospedaliera Universitaria di Catania
YEAR	2002 - 2015
SERVICES	Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

HOSPITAL S. LORENZO OF BORGO VALSUGANA

LOCATION	Borgo Valsugana, Italy
CLIENT	APSS Provincia Autonoma di Trento
YEAR	2011 - ongoing
SERVICES	Preliminary Design review Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	S.W.S. Engineering S.p.A.

RADIOTHERAPY CENTRES, MATER DEI AND BOFFA HOSPITAL, MALTA

LOCATION	Floriana, Malta
CLIENT	Ergon Projects Limited, Gruppo INSO S.p.A.
YEAR	2010 - 2015
SERVICES	Detailed Design
PARTNERS	-

RADIOTHERAPY, SANTA MARIA ALLA GRUCCIA HOSPITAL

LOCATION	Montevarchi, Italy
CLIENT	Azienda USL 8 Arezzo
YEAR	2010 - 2012
SERVICES	Developed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

VAL D'ARDA SINGLE HOSPITAL OF FIORENZUOLA

LOCATION	Fiorenzuola, Italy
CLIENT	Azienda USL Piacenza
YEAR	2003 - 2010
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision, Health & Safety Coordination during Construction
PARTNERS	-

IMFR HOSPITAL "GERVASUTTA", UDINE

LOCATION	Udine, Italy
CLIENT	Azienda Servizi Sanitari n. 4 Medio Friuli
YEAR	2005 - 2008
SERVICES	Preliminary Design
PARTNERS	-

SAINT JAMES HOSPITAL OF TERXIEN

LOCATION	Terxien, Malta
CLIENT	Martin Xuereb & Associates
YEAR	2007
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design
PARTNERS	-

ONCOLOGY REFERENCE CENTRE IRCCS, AVIANO

LOCATION	Aviano, Italy
CLIENT	IRCCS Centro di Riferimento Oncologico
YEAR	2004 - 2012
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	Lenzi Consultant S.r.l., STS Servizi Tecnologie Sistemi S.p.A., Intergeo S.r.l.

“M. BUFALINI” HOSPITAL OF CESENA

LOCATION	Cesena, Italy
CLIENT	Azienda USL Cesena
YEAR	2001 - 2010
SERVICES	Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

CIVIC HOSPITAL OF BAGGIOVARA

LOCATION	Baggiovara, Italy
CLIENT	ICC
YEAR	1991 - 2002
SERVICES	Detailed Design
PARTNERS	-

VAIO HOSPITAL FIDENZA

LOCATION	Fidenza, Italy
CLIENT	CMB Carpi
YEAR	1999 - 2000
SERVICES	Detailed Design
PARTNERS	-

HOSPITAL OF SASSUOLO

LOCATION	Sassuolo, Italy
CLIENT	CCC Consorzio Cooperative Costruzioni Soc. Coop.
YEAR	1991 - 2001
SERVICES	Developed Design Detailed Design
PARTNERS	-

SCIENCE & RESEARCH

IRCCS, RESEARCH CENTRES, UNIVERSITIES, LABORATORIES

The spaces where research, education and care meet.

IRCCS institutes, laboratories, research centres and university hubs designed to foster innovation, multidisciplinary collaboration and ongoing dialogue between scientific, teaching and care activities.

NATIONAL REFERENCE LABORATORY COMPLEX

LOCATION	Addis Ababa, Ethiopia
CLIENT	Ministry of Health (MoH) - Ethiopia
YEAR	2025 - ongoing
SERVICES	Technical-Economic Feasibility Study Detailed Design Construction Supervision
PARTNERS	-

A new national hub of reference laboratories for the **Ethiopian Ministry of Health**, the **National Reference Laboratory Complex** stands in Addis Ababa. A five-level building (G+4) of about **14.000 sqm** bringing together specialist laboratories - from genomics to virology - and **BSL-3 containment laboratories** for highly infectious agents.

ZNPHI LABORATORY COMPLEX

LOCATION	Lusaka, Zambia
CLIENT	Republic of Zambia Ministry of Health Zambia National Public Health Institute
YEAR	2025 - ongoing
SERVICES	Technical-Economic Feasibility Study Detailed Design Construction Supervision
PARTNERS	-

Commissioned by the **Zambia National Public Health Institute** under the Africa CDC programme with the World Bank, the **ZNPHI Laboratory Complex** strengthens the country's public health. In Lusaka it brings together research and diagnostic laboratories with **BSL-2 and BSL-3 biosafety** and an insectarium for the study of vectors.

RESEARCH CENTRE BIOTECHNOLOGY, TURIN

LOCATION	Turin, Italy
CLIENT	University of Turin
YEAR	2022 - 2026
SERVICES	Construction Supervision Health & Safety Coordination during Construction
PARTNERS	Mythos Consorzio Stabile S.C.A.R.L.

Twelve laboratories and spaces for **500 researchers**: this is the extension of the **Molecular Biotechnology Centre (MBC)** of the University of Turin. The new buildings, over five above-ground levels and about **20.800 sqm** of gross floor area, bring together laboratories, an animal facility, offices, study rooms, a library and an auditorium in an integrated science-and-technology hub. Value of the works about **20 million euros**.

LABORATORIES 6.1.1-MIND MILANO INNOVATION DISTRICT

LOCATION	Milan, Italy
CLIENT	Lendlease S.r.l.
YEAR	2022 - ongoing
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	SITingegneria S.r.l.

A hub of **research laboratories and offices** hosting the **Politecnico di Milano Next Generation Healthcare Center**: this is Building 6.1.1 in MIND – Milano Innovation District, on the former Expo site. Ten floors (one below ground) organised "shell and core" for maximum flexibility, with metal, glass and greenery façades, an extensive rooftop photovoltaic system and **LEED Gold** certification. Client: Lendlease.

LABORATORIES 9.1.1-MIND MILANO INNOVATION DISTRICT

LOCATION	Milan, Italy
CLIENT	Lendlease S.r.l.
YEAR	2022 - ongoing
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design
PARTNERS	-

EXPERIMENTAL ZOOPROPHYLACTIC INSTITUTE OF REGGIO EMILIA

LOCATION	Reggio Emilia, Italy
CLIENT	Istituto Zooprofilattico Sperimentale Lombardia e Emilia Romagna “B. Ubertini”
YEAR	2022 - 2024
SERVICES	Developed Design Detailed Design Health & Safety Coordination during Design
PARTNERS	-

VETERINARY SCIENCES UNIVERSITY OF PISA

LOCATION	Pisa, Italy
CLIENT	University of Pisa
YEAR	2020 - 2022
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design
PARTNERS	Mythos Consorzio Stabile S.C.A.R.L.

PAVILION 42 LABORATORIES POLICLINICO SAN MATTEO

LOCATION	Pavia, Italy
CLIENT	Fondazione IRCCS Policlinico San Matteo
YEAR	2019 - 2026
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design
PARTNERS	Studio Calvi S.r.l.

MEYER HEALTH CAMPUS OF FLORENCE

LOCATION	Florence, Italy
CLIENT	Azienda Ospedaliero-Universitaria Meyer
YEAR	2018 - 2022
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	Rossiprodi Associati S.r.l. Consilium S.r.l.

NATIONAL INSTITUTE OF MOLECULAR GENETICS, MILAN

LOCATION	Milan, Italy
CLIENT	Fondazione IRCCS Milano
YEAR	2005 - 2013
SERVICES	Technical-Economic Feasibility Study Developed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	T+T Architettura

EXPERIMENTAL ZOOPROPHYLACTIC INSTITUTE OF FORLÌ

LOCATION	Forlì, Italy
CLIENT	Istituto Zooprofilattico Sperimentale Lombardia e Emilia Romagna “B. Ubertini”
YEAR	2010 - 2015
SERVICES	Developed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

IES AND IHCP BUILDINGS EUROPEAN JRC, ISPRA

LOCATION	Ispra, Italy
CLIENT	EU Commission - Joint Research Centre
YEAR	2006 - 2014
SERVICES	Technical-Economic Feasibility Study Developed Design Health & Safety Coordination during Design
PARTNERS	-

REHABILITATION & CARE

COMMUNITY HOSPITALS, REHABILITATION, CARE HOMES, HOSPICES, CARE FACILITIES

The quality of care continues throughout the whole care pathway.

Community hospitals, rehabilitation facilities, care homes, hospices and care services designed to promote wellbeing, inclusion and continuity of care, with particular attention to the person and their needs.

NEW HOSPICE OF AREZZO

LOCATION	Arezzo, Italy
CLIENT	Azienda USL Toscana Sud Est
YEAR	2025 - ongoing
SERVICES	Technical-Economic Feasibility Study Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

A residential palliative-care centre in the park of **Colle del Pionta**, between the San Donato Hospital and the historic greenery: an **L-shaped building on two levels with a basement**, with **ten inpatient rooms** overlooking an **internal healing garden**. Conceived as a domestic rather than a hospital care space, it incorporates private loggias, landscape integration and sustainability, with **photovoltaics, BMS management and hydraulic invariance**. Maximum buildable area **1.350 sqm**.

MENTAL HEALTH FOUNDATION OF SINT MAARTEN

LOCATION	Sint Maarten, Caribbean
CLIENT	National Recovery Program Bureau - NRPB World Bank
YEAR	2025 - ongoing
SERVICES	Technical-Economic Feasibility Study Detailed Design
PARTNERS	-

New **mental health centre** for the island, conceived as a **village** rather than an institution: two levels and three connected blocks, where protected courtyards, greenery and terraces become part of the care process. Its social heart is the **Faraja**, with recreational and educational activities for inclusion and reintegration. Flexible, safe spaces with anti-ligature solutions and **climate resilience**, extending to hurricane resistance.

COMMUNITY HEALTH AND HOSPITAL CENTRE OF RAVENNA

LOCATION	Ravenna, Italy
CLIENT	Azienda USL Romagna
YEAR	2022 - ongoing
SERVICES	Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	Studio Mattioli S.r.l.

New Darsena health complex: a Community Health Centre and Community Hospital (OSCO) on three levels with an H-shaped plan, serving a catchment of ~99.560 inhabitants. **NZEB, class A+**, compliant with CAM and DNSH, with heat pumps, a 106 kWp photovoltaic system and water recovery. **21 beds, 10 outpatient clinics, 4.400 sqm.**

COMMUNITY HEALTH AND HOSPITAL CENTRE OF FERRARA

LOCATION	Ferrara, Italy
CLIENT	Azienda USL Ferrara
YEAR	2022 - 2026
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

A project for the **renovation of the S. Rocco Community Health Centre in Ferrara**, for **AUSL di Ferrara**. The project involves two buildings of the former Arcispedale S. Anna, in the **UNESCO historic centre**: **Building 28**, demolished and rebuilt for the "La Luna" Psychiatric Residence with **15 beds** in rooms overlooking the park; **Building 5**, with **a new entrance façade**, seismic improvement and spaces for the Community Hospital.

COMMUNITY HOSPITAL OF CIVIDALE

LOCATION	Cividale del Friuli, Italy
CLIENT	Azienda Assistenza Sanitaria “Friuli Centrale”
YEAR	2022 - 2023
SERVICES	Technical-Economic Feasibility Study Health & Safety Coordination during Design
PARTNERS	Pool Milano S.r.l.

MENTAL HEALTH CENTRE AND HOSPICE OF SIENA

LOCATION	Siena, Italy
CLIENT	Azienda Sanitaria USL Toscana Sud-Est
YEAR	2018 - ongoing
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	Rossiprodi Associati S.r.l. Sama Scavi Archeologici Soc. Coop.

CARE HOME FOR THE ELDERLY “SCUOLA DEI BATTUTI”, MESTRE

LOCATION	Mestre, Italy
CLIENT	Centro Servizi “Antica Scuola dei Battuti”
YEAR	2017 - 2023
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

REMS - HEALTH AND SAFETY SERVICES OF REGGIO EMILIA

LOCATION	Reggio Emilia, Italy
CLIENT	Azienda Sanitaria “AUSL Reggio Emilia”
YEAR	2015 - 2021
SERVICES	Developed Design Detailed Design Health & Safety Coordination during Design
PARTNERS	Cairepro Soc. Coop.

CRA FOCHERINI AND M. MARCHESI OF MODENA

LOCATION	Appalto di Soliera, Italy
CLIENT	Gulliver Cooperativa Sociale
YEAR	2015 - 2018
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

SERT AND DSM OF RAVENNA

LOCATION	Ravenna, Italy
CLIENT	Azienda Sanitaria “USL della Romagna”
YEAR	2010 - 2016
SERVICES	Technical-Economic Feasibility Study Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	-

REMS - HEALTH AND SAFETY SERVICES OF NOGARA

LOCATION	Nogara, Italy
CLIENT	Azienda Sanitaria “ULSS 9 Scaligera”
YEAR	2018
SERVICES	Developed Design Health & Safety Coordination during Design
PARTNERS	-

HEALTH DISTRICT OF CIVIDALE DEL FRIULI

LOCATION	Cividale, Italy
CLIENT	Azienda Sanitaria “Udine Universitaria Integrata”
YEAR	2004 - 2013
SERVICES	Developed Design Detailed Design Health & Safety Coordination during Design Construction Supervision Health & Safety Coordination during Construction
PARTNERS	Pool Milano S.r.l.

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