



SUISSEMED

A PROGER GROUP COMPANY

COMPANY PROFILE



A COMPLETE VISION

SuisseMed and **Proger** combine each company's expertise in a **unique multidisciplinary team covering the entire range of engineering and management services**. We work on design, project management, as well as procurement to supervision of projects. Building on decades of collaboration and shareholdings among its partners, the Group possesses a full range of competencies. This is to ensure the development and execution of large-scale multidisciplinary projects.

The healthcare sector is one of the Group's spearheads, due to our highly specialized and skilled professionals with wide experience in numerous important projects developed in Europe, Middle East, and North Africa.





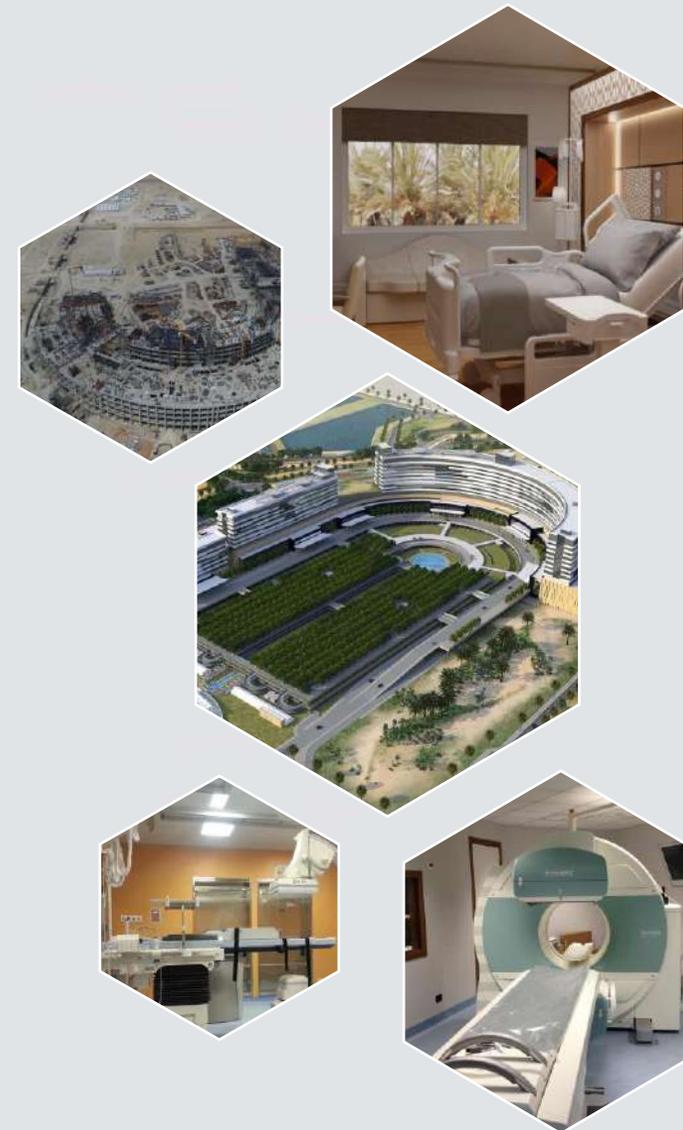
WHO WE ARE

SUSSEMED is a Swiss-based company, owned by **Proger S.p.A.** and **Hospital Management SA**. We are specialized in biomedical engineering, medical and healthcare planning as well as equipment design and ICT.

In 2020, **SUSSEMED** joined the **Proger Group** to develop, as a boutique firm, the healthcare sector of the Group at an international level, using its global and consolidated know-how and experience.

SUSSEMED professionals have been involved in challenging healthcare projects worldwide for the past 30 years. Main areas of expertise are:

- **Inception**
- **Needs & Technology Assessment**
- **Healthcare & Medical Design**
- **Procurement and Medical Equipment Planning**
- **Project Management**
- **Healthcare & Facility Management**





WHO WE ARE

PROGER is an international company that offers the best Italian **engineering** and **management** expertise in a broad range of fields.

The company boasts that it has more than 60 years of experience and now sits at the top of Italian rankings. We have a consolidated position among **the top 100 international engineering companies** in the world.

We are a General Engineering company able to guarantee the development and completion of large-scale multidisciplinary projects, offering clients a unique point of reference during every phase.

PROGER works with more than **1,000 professionals** in **3 continents** developing projects in the following sectors:

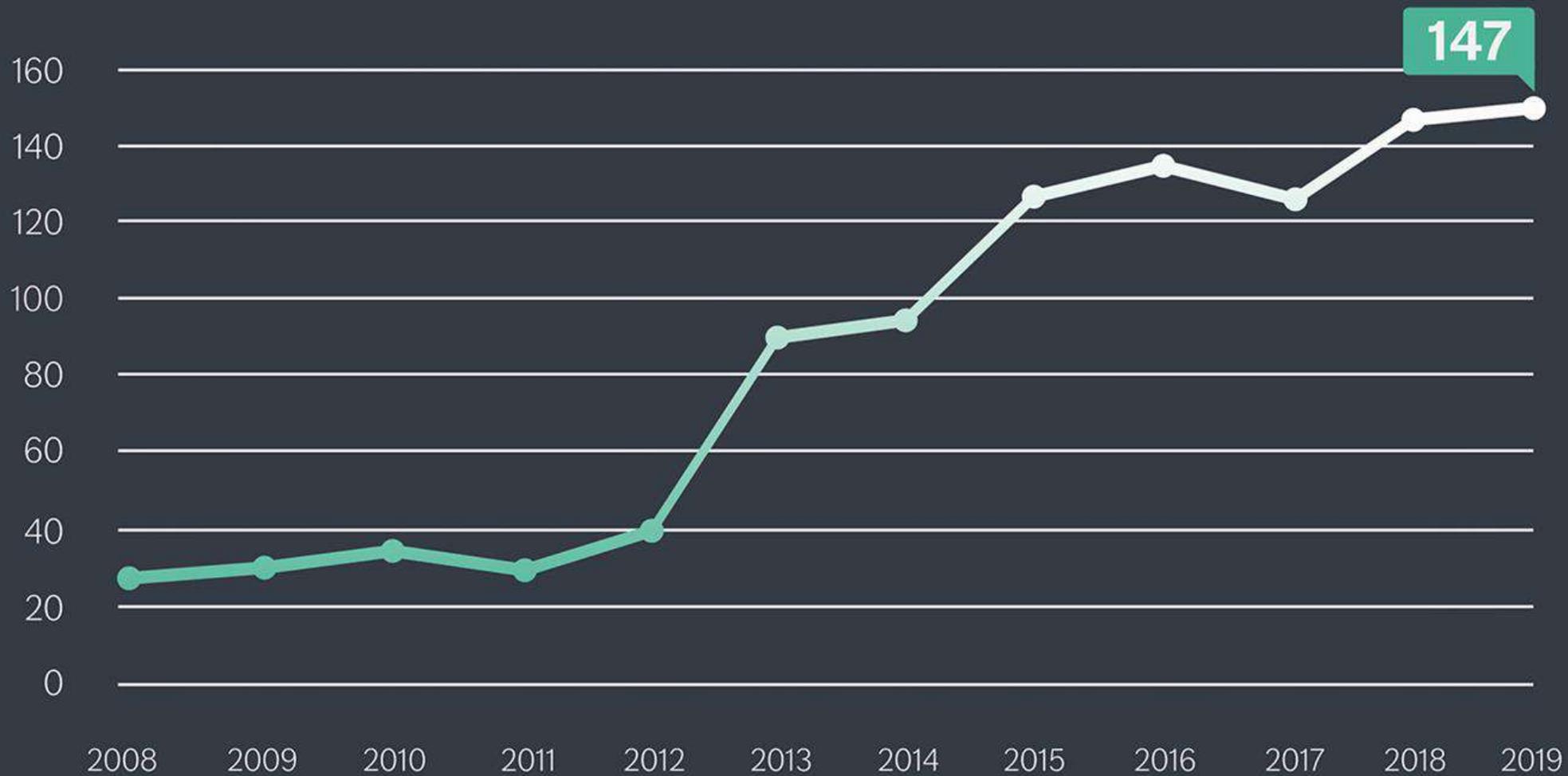
- **Building**
- **Infrastructure & Transportation**
- **Oil & Gas - Power**
- **Sustainability & Environment**
- **Integrated Security**



TURNOVER



MILLION
€



A GLOBAL PRESENCE

SUISSEMED – PROGER GROUP

USA
Los Angeles

Establishing a strong local presence in the countries in which we operate, allows us to be closer to the client, creating **solid and long-lasting relationships with the regions**. This gives clearer understanding of the social fabric and the possibility of creating and meeting new challenges an increasingly globalized world, while maintaining the utmost respect for each country's way of life.



OUR OFFICES

Our three **headquarters** are located in **Roveredo, Switzerland, Milan and Rome, Italy.**

Our **main offices** worldwide:

- **Kingdom of Saudi Arabia**, where the Group has started its operations in 2012 by establishing a fully certified EPMO subsidiary with two central offices in Riyadh for local employees and expatriate managers..
- **Kazakhstan**, where the Group has been operating since 2000 and relaunched its activities in 2014 by opening a new office in Atyrau and a branch in Almaty.
- **Egypt**, where Proger Group is operating in through "Proger Egypt for Engineering and Management", a Joint Stock Company owned by Proger and incorporated under the Provisions of the Egyptian Law in 2017, with Head Office in New Cairo and a Branch Office in Alexandria.





MISSION

“The design, construction, and management of hospital structures, as well as the identification and selection of the most appropriate medical equipment and clinical protocols require us to integrate an array of skills, and competencies while maintaining the flexibility needed to effectively operate in all geographic areas characterized by different development models.”

SUSSEMED leverages international best practices to provide cost effective and innovative solutions to customers worldwide.



VISION

To support public and private clients in addressing the challenges of a complex and ever-changing healthcare market, SUISSEMED is able to create and implement innovative operational models which are sustainable, profitable, and whose vocation is to be adopted as standards worldwide.

SUISSEMED brings to bear a broad array of skills and knowledge to the development of paradigm changing solutions.

Top Management



STEFANO ALI

MBA

Chief Executive Officer

- CEO Hospital Management SA.
- Project Director in SFMCs Project
- >25 years experience in Healthcare Sector and Medical Start-Ups



RICCARDO CASTORINA

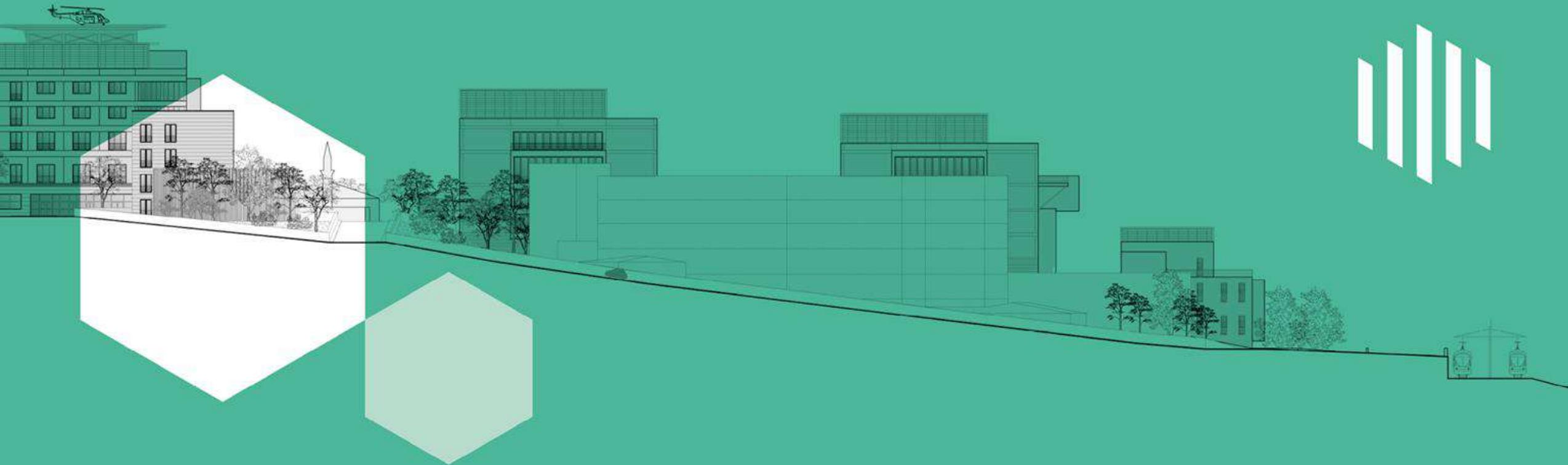
BS EE

Managing Director

- CEO Siemens Healthcare Italy.
- CEO Paramed Global MRI Manufacturer
- >30 years experience in the Healthcare Industry



Focus on **Healthcare**



New concepts in Healthcare Building Design

The **operating team** can count on a solid internal structure, made up of **architects specialized** in medical planning; **structural engineers, plant engineers and biomedical engineers**; doctors who help designers to always satisfy the needs of the operators and, above all, of the patients and their loved ones.

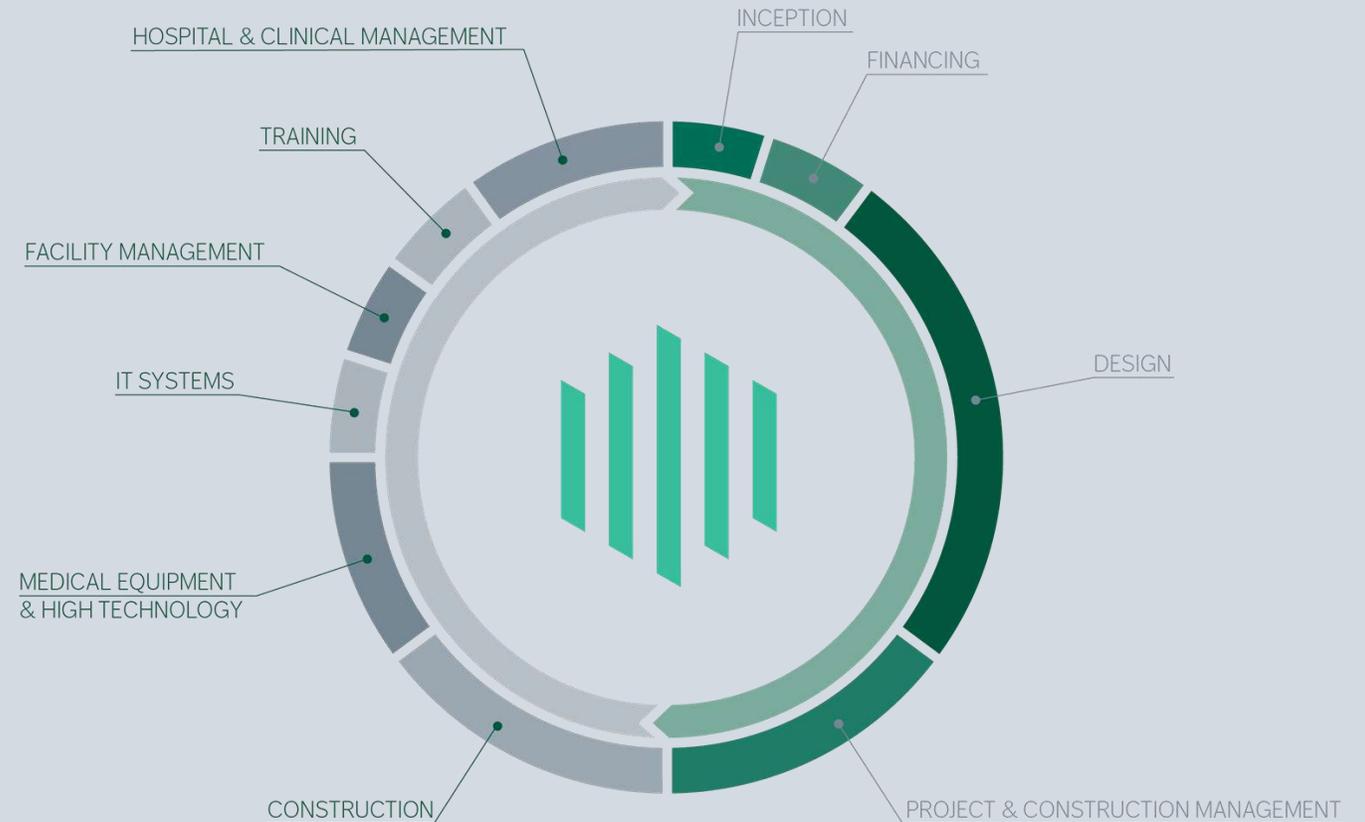
Mostly, the Group's design approach is built around a highly innovative and advanced design methodology called the **Integrated Design Process**. It is a process of design in which multiple disciplines and seemingly unrelated aspects of design are integrated in a manner that permits synergistic benefits to be realized.

The Group performs its projects in a Building Information Modelling (**BIM**) environment, developed for all the involved disciplines, to streamline design production, reduce coordination errors and create a solid asset for the future.

Multidisciplinary and integrated approach

Healthcare has been one of the Group's signature sectors since the beginning of its business. Over the past 60 years, the company has developed several healthcare facility projects in Italy and abroad, for both public clients (local ministries and health authorities) and private clients. Thanks to its know-how and experience, the Group can offer Multidisciplinary Engineering and Management services ranging from:

- **Initial Idea**
(Feasibility Studies, Concept Design, Master Planning)
- **Design**
(Preliminary, Definitive, Tender and Construction Drawings)
- **Construction**
(Project & Construction Management, EPC)
- **Medical Equipment & High Technology**
- **Daily Management**
(Training, Hospital & Clinical Management)



Competency Areas



- **Inception:** Helping the client defining the project's scope
- **Design:** Supporting the client with a complete range of design services, including etc.
- **Construction:** Helping the client in selecting the best contractor for the project
- **Protocol Assessment:** Supporting the client in identifying and selecting the appropriate protocol equipment
- **Procurement:** Assisting the Client in negotiating the best terms. Highly focused on Medical Equipment, Hospital Furniture, ICT Procurement and Supply Chain.
- **Imaging and Laboratory Equipment:** Supporting the Client in identifying and selecting the appropriate Imaging and Laboratory Equipment
- **ICT Systems:** Helping the client in conducting technology assessment and in selecting the appropriate software
- **Training:** Supporting the development and implementation of professional programs and training for medical staff
- **Healthcare Management:** Providing modular offering, from the supervision of a single wards to the management of an entire Hospital

Medical Equipment & Procurement

The real heart of modern hospitals

The Group offers specialized “hands-on” consultancy services on medical equipment, hospital furniture, and ICT systems to help the Client deal with difficult choices thanks to a methodology perfectly calibrated on the project and on the Client’s needs. The design, construction, and management of hospital structures, as well as the identification and selection of the most appropriate medical equipment, require the integration of an array of skills. The Group uses competencies while maintaining the flexibility needed to effectively operate in geographic areas characterized by different development models.

Delivering to the contractor, a BIM model fast tracks any further required design action. This is especially in relation to the integration of statutory requirements, while also creating a solid base that goes beyond the planning and design phase of the project. This extends throughout the future building life cycle, supporting all stakeholders involved: from project & construction management professionals, to operation and maintenance providers.



Medical Equipment & Procurement

The real heart of modern hospitals

MEDICAL EQUIPMENT STRATEGY: FROM PLANNING TO PROCUREMENT

The Group, thanks to his relevant know-how, supports the Client in identifying its needs and selecting the most appropriate medical equipment. Such as from planning to procurement phase, including testing, commissioning, handing over, and training when required. The Group leverages international best practices to provide cost effective, innovative, efficient and long-lasting equipment solutions based on:

- Clinical Experience
- Advanced Technology
- IT Big Data Management
- Sustainable Healthcare Ecosystem

OUR STRENGTHS

- A highly skilled, competent, and experienced team of professionals
- Integrated services
- Proven experience in healthcare design
- Global footprint presence
- Holistic capabilities: from conception to construction
- Legal and financial assistance
- Planning and assistance in training and technical supervision

COMPANY
PROFILE





OUR STRENGTH

**HOLISTIC BROAD
EXPERIENCE IN
HEALTHCARE
INTEGRATED
SERVICES DESIGN
WORLDWIDE**

**COMPLETE RANGE
OF SERVICES
FROM INCEPTION
TO COMPLETION**

**HIGHLY SKILLED
AND EXPERIENCED
TEAM OF
PROFESSIONALS**

**GLOBAL
PRESENCE
AND
CULTURAL
AWARENESS**

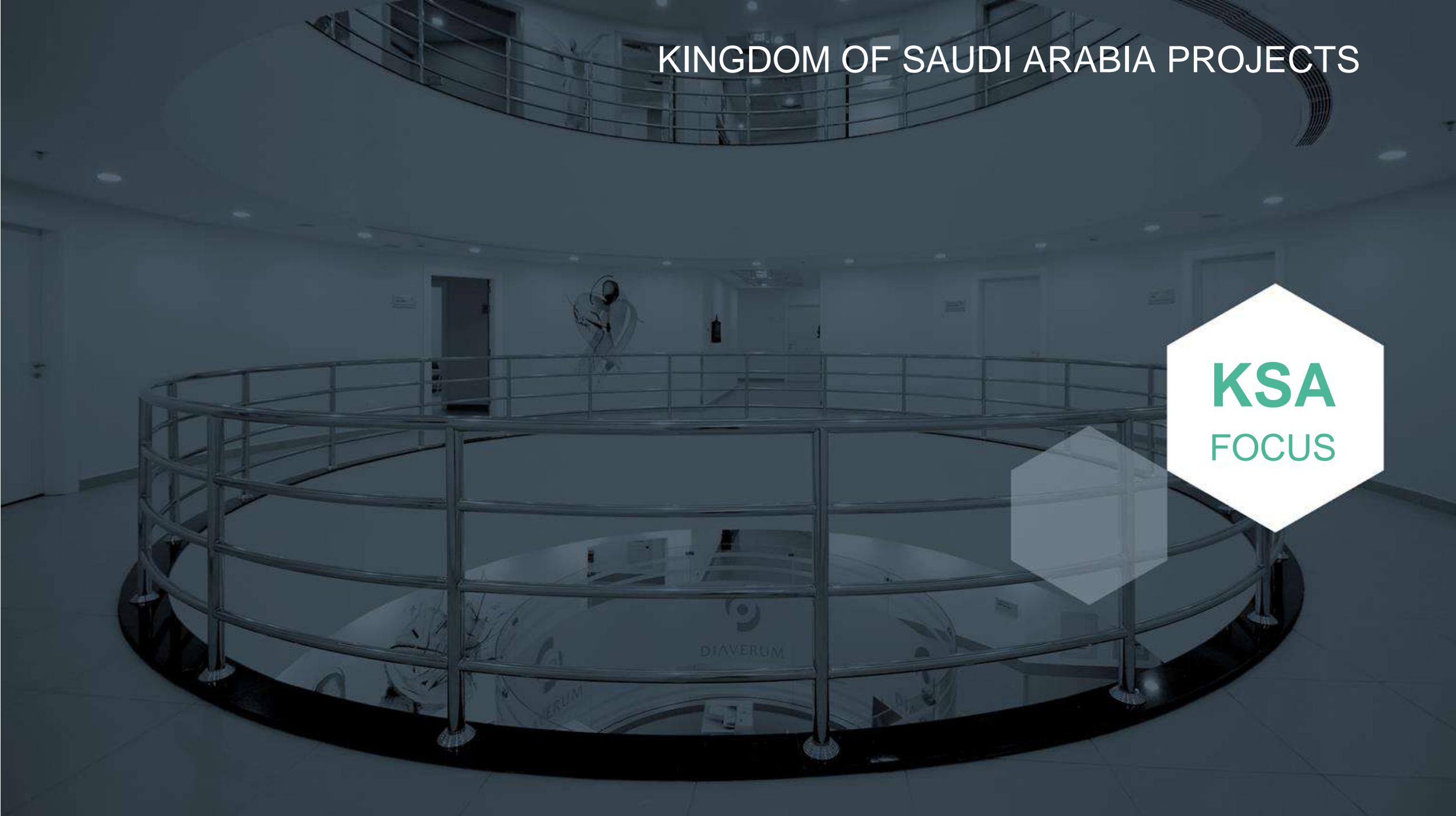
**TECHNICAL
SUPERVISION
AND PROJECT
MANAGEMENT**

**DEVELOPMENT
OF CUSTOMIZED
PROJECTS
WITH A STRONG
ADDED VALUE**

**MEMBER OF
PROGER GROUP
A WORLD TOP 100
INTERNATIONAL
ENGINEERING
COMPANY**

KINGDOM OF SAUDI ARABIA PROJECTS

KSA
FOCUS



Security Forces Medical Center Project



LOCATION	Riyadh and Jeddah, Saudi Arabia
CLIENT	Ministry of Interior
SERVICES	Project Management. Design Review. Construction Supervision. Definition, procurement and installation of medical equipment, hospital furniture and ITC systems
TECHNICAL DATA	Gross Floor Area: 5,000,000 m ² Investment: 5 billion USD Beds: 1,248 Departments: 154 Residential Area: 470,000 m ² Buildings: 29 Apartments: 696 - Villas: 195



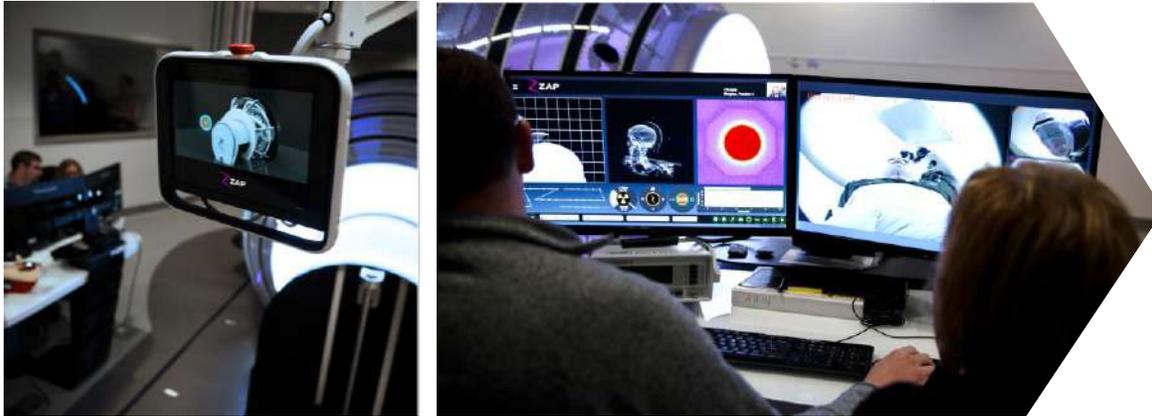
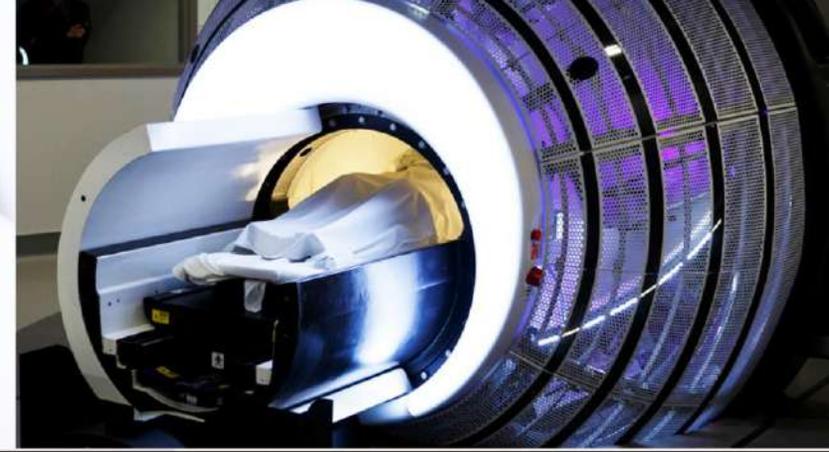
Two separate medical cities that represent the largest healthcare project in the Middle East.

Medical Equipment & Procurement

The New Frontier in Modern Radio/Neurosurgery

SUSSEMED IS PROUD TO ANNOUNCE TO BE THE BTC'S ZAP-X ENGINEERING PARTNER IN KSA

ZAP-X USA



ZAP-X Integrating a first-in-kind self-shielded design with linear accelerator-based delivery;

ZAP-X is a dedicated intracranial SRS system focused on accessibility, ease-of-use, and world class beam dosimetry



COMPANY
PROFILE

TOP NOTCH, SELF - SHIELDED HIGH TECHNOLOGY

SUISSEMED / PROGER

Main Projects in KSA

PROJECT / Client	Period	Value of Works (US \$)	Services	Description
KAP 3 PROGRAM Ministry of Interior	2013 - on going	4 billion	<ul style="list-style-type: none"> • Design Review • Project Management • Construction Supervision 	Proger was hired by the Ministry of Interior to manage the security facilities development programs, to review projects and supervise construction as part of these huge programs involving more than 4,000 buildings – including accommodation, offices, military colleges, dormitories and hospitals – on over 600 sites distributed across the country.
KAP 4 PROGRAM Ministry of Interior	2013 - ongoing	2 billion	<ul style="list-style-type: none"> • Design Review • Project Management • Construction Supervision 	
DIAVERUM CLINICS Diaverum Arabia Ltd.	2014 - ongoing	50 million	<ul style="list-style-type: none"> • Design Review • Project Management • Construction Supervision 	Proger is assisting Diaverum, one of the world's leading independent renal care providers, in developing its network in Saudi Arabia.
HRDF HEADQUARTERS OLAYA TOWERS Ministry of Labour, Human Resources Development Fund	2014 - ongoing	100 million	<ul style="list-style-type: none"> • Interior Design • Tender Preparation • Construction Supervision 	The company is responsible for the design, tender preparation and supervision of works for the internal fit-out of the 180-meter Tower A of the Olaya Towers complex.
THAKHER CITY MASTERPLAN Skidmore, Owings & Merrill LLP	2012 - 2014	3.5 billion	<ul style="list-style-type: none"> • Engineering • Pedestrian Flow Analysis • Project Management 	The project involved the design of a unique hotel-residential structure situated on top of a mountain, designed to meet the needs of Hajj with a focus on pedestrian movement.
SECURITY FORCES MEDICAL CENTRE CONTRACT 1 Ministry of Interior	2013 - ongoing	2.5 billion	<ul style="list-style-type: none"> • Design Review • Project Management • Construction Supervision 	Development of Security Forces Medical Complex, one of the largest healthcare projects in the Middle East, which comprises two separate medical cities in Riyadh and Jeddah.
SECURITY FORCES MEDICAL CENTRE CONTRACT 1A Ministry of Interior	2016 - ongoing	2 billion	<ul style="list-style-type: none"> • Design Review • Project Management • Procurement • Site Supervision 	Extension of the assignment related to the installation of medical equipment, hospital furniture and information technology systems.





CASE
STUDY

Kartal Lutfi Kirdar Hospital



LOCATION	Istanbul - Turkey
CLIENT	Istanbul Project Coordination Unit
SERVICES	Feasibility Architecture Integrated Engineering Seismic Engineering
TECHNICAL DATA	Beds: 920 Gross surface area: 323,500 m ² Operating rooms: 40 Outpatient: 200 Seismic isolators: 850



A modern, sustainable and **safe** structure, designed according to the most modern **anti-seismic** principles, serving the population of Istanbul.



San Cataldo Hospital



LOCATION	Taranto - Italy
CLIENT	Local Health Authority - Taranto
SERVICES	Architecture Engineering Consultancy
TECHNICAL DATA	Beds: 715 Total Area: 226,297 m ² Operating Theatres: 19 Clinics: 70



A perfect matchmaking between **hospitality**, **architecture** and **sustainability** to guarantee high levels of comfort, functionality and safety.

Cisanello Hospital



LOCATION	Pisa - Italy
CLIENT	Azienda Ospedaliero Universitaria Pisana
SERVICES	Engineering
TECHNICAL DATA	Beds: 1,350 Daily attendance: 15,000 people Clinics: 440

Hospital and university activities strictly connected for the new **University Hospital in Pisa**.

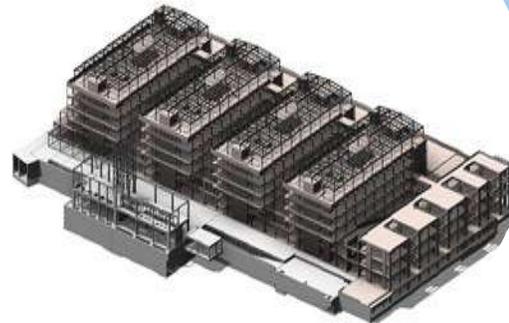
An innovative pole, considered as one of the biggest in Europe.



New Hospital in Pordenone and “Cittadella Della Salute”



LOCATION	Pordenone - Italy
CLIENT	Local Health Authority - Pordenone
SERVICES	Engineering
TECHNICAL DATA	Hospital area: 67,400 m ² Beds: 500 Cittadella area: 3,300 m ²



A new **flexible, modern** and **functional hospital** that reconnects two healthcare facilities, originally separated.



Diaverum Renal Care Clinics



LOCATION	Saudi Arabia
CLIENT	Diaverum
SERVICES	Design Review Project Management Construction Management
TECHNICAL DATA	Clinics: 42 Dialysis stations: approx. 1,250 Number of expected patients: 3,650/day

Construction of **new clinics** and functional redevelopment of facilities in Saudi Arabia, alongside one of the world's largest renal care providers.



ULSS8 BERICA FONDAZIONE BARTOLO ONLUS



LOCATION	Vicenza Italy
CLIENT	ULSS8 Berica Fondazione San Bortolo
Solutions	n. 2 Full optional "Top Notch" Amadeo M-DR Mini System

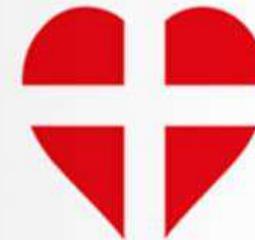


We have already installed and finalized commissioning at ULSS n. 8 Vicenza. The Mobile Emergency Systems have been successfully designed with the Client, in order to support the "HOME-CARE "X-Ray Digital Solutions.

REGIONE DEL VENETO



ULSS8
BERICA



Si può fare di più

FONDAZIONE SAN BORTOLO ONLUS



NEW TIBURTINO HOSPITAL



LOCATION	Roma Italy
CLIENT	Azienda Sanitaria Locale Roma 5
Solutions	New Hospital with about 400 beds



The project responds to the need for a new provincial hospital and follows the most recent strategy for locating the various health macro-functions in a single hospital complex, to ensure integration with the city of Tivoli and the surrounding area, serving a basin of users that refer to as many as 28 municipalities, for a total population of over 200,000 inhabitants .



ENI Healthcare Program



LOCATION	Worldwide - Iraq, Congo and Egypt
CLIENT	ENI
SERVICES	Technical, medical and scientific consultancy Consultancy for medical equipment Design & Engineering Assistance during construction stage and installation of equipment

Blanket order with Eni for the supply of “**health facilities**” implementation services both in Italy and in those non-EU countries where Eni works, with projects in Iraq, Egypt and Ghana.



Cerrahpasa Hospital and University Campus

LOCATION	Istanbul - Turkey
CLIENT	University of Istanbul
SERVICES	Masterplanning Engineering Specialist Consultancy
TECHNICAL DATA	GFA: 611,265 m ² Beds: 1,041 Intensive Care Beds: 208 Operating Rooms: 46 Faculties: 7

The company is assisting the University of Istanbul in developing **world-renowned campuses** realizing anti-seismic infrastructures, maximizing capacity and functionality, exploiting natural resources and maximizing energy savings.



Saint Annunziata Hospital

LOCATION	Chieti - Italy
CLIENT	Local Health Authority
SERVICES	Architectural, structural and MEP systems Preliminary Design, Definitive Design and Working Drawings Works Supervision Construction Management Technological Facilities Procurement
TECHNICAL DATA	Total Floor Area: 130,000 m ² Bed places: 550



The development of the Saint Annunziata hospital is a clear evidence of **Proger Group's skills** in designing and managing complex and relevant projects, covering all the phases, from design to technological facilities procurement.

Monserato Polyclinic Hospital



LOCATION	Cagliari - Italy
CLIENT	University Hospital of Cagliari
SERVICES	Architectural Design Engineering
TECHNICAL DATA	Bed places: 600 Extensions Surface: 30,000 m ²

This design competition awarded in 2013 for the extension for Cagliari's Monserrato Polyclinic involves the redevelopment of the existing hospital by adding **4 new blocks** and a connection with the **new metro station**.



Niguarda Ca' Granda Hospital



LOCATION	Milan - Italy
CLIENT	Niguarda Engineering Consulting spa
SERVICES	Preliminary Design for the tender call Definitive Design and Working Drawings for the Electrical and HVAC Systems Acoustic and Energy consulting Specialistic assistance to Construction Management
TECHNICAL DATA	Total Floor Area: 315,000 m ² Volume: 1,106,000 m



The redevelopment of the Niguarda hospital, one of Italy's largest and most prestigious, involved the **demolition and renovation of historic buildings** together with the construction of new modern facilities.

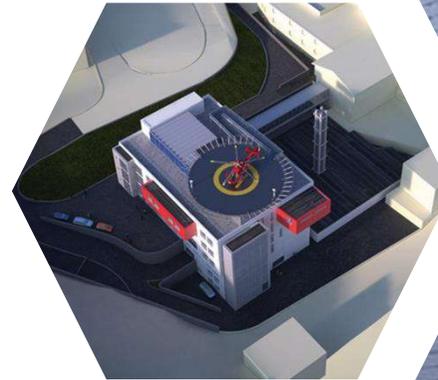


Lagonegro Hospital



LOCATION	Basilicata - Italy
CLIENT	The Region of Basilicata
SERVICES	Architectural Engineering Geology services
TECHNICAL DATA	Beds: 47 (new building) and 108 (existing) Gross Surface Area: 950 m ² (new building) and from 3600 m ² (existing)

The design approach **focuses on people**. The arrangement of spaces for care and assistance aims at making the hospital environment friendly, able to instill tranquility, thanks to the appropriate choice of **colors, textures, lighting** and **furniture**.



Bari Polyclinic



LOCATION	Bari - Italy
CLIENT	Bari Polyclinic
SERVICES	Architectural Engineering Geology services
TECHNICAL DATA	Final design Safety coordination during design Safety coordination during final design Works supervision



The upgrading of the Bari Polyclinic complex, focused on the **regulatory** and **functional compliance** of the following pavilions: Clinical Surgery, ENT Clinic, Eye Clinic, New Units Operating Dialysis and Nephrology.



New Nuclear Medicine Ward Reggio Calabria

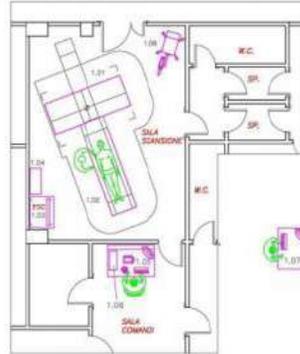
LOCATION	Reggio Calabria, Italy
CLIENT	Bianchi, Melacrino, Morelli Hospital
SERVICES	Design Project & Construction Management Construction Equipment & High Technology IT Systems
TECHNICAL DATA	Design and Construction of the New Nuclear Medicine Ward (Siemens Technology)



Regional Multi-Tender for CT Departments



LOCATION	Paternò (CT); Caltagirone (CT); Siracusa; Castelvetrano (TP); Mazzara del Vallo (TP); Palermo; Messina - Sicily, Italy
CLIENT	Health Service Department, Region of Sicily
SERVICES	Design Project & Construction Management Construction Equipment & High Technology IT Systems



Turn Key Design, Construction and Supply of 7 CT Departments.



New Radiotherapy Ward at the M. Raimondi Hospital



LOCATION	San Cataldo, Caltanissetta (CL) - Italy
CLIENT	ASP Caltanissetta, M.Raimondi Hospital (CL)
SERVICES	Design Project & Construction Management Construction Equipment & High Technology IT Systems



Turn-Key Design, Construction and Handover of the New Radiotherapy Ward.



Full-Service Design, and Construction of Hospital Laboratory



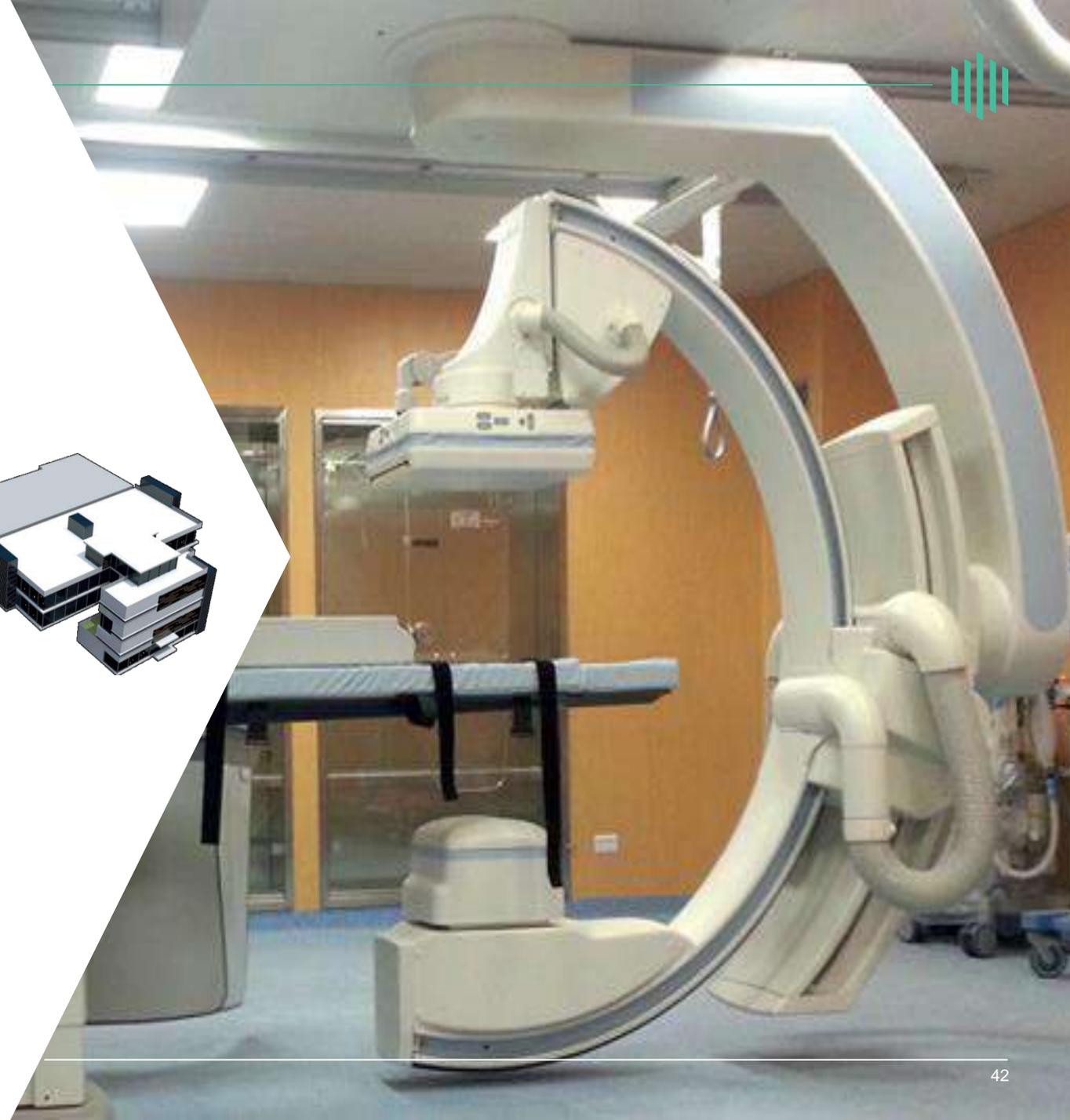
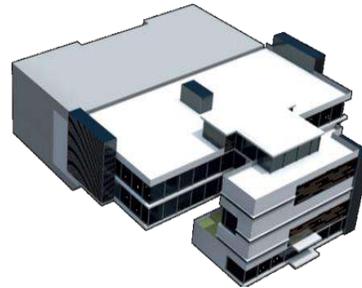
LOCATION	Mestre (Venice) - Italy
CLIENT	Veneto Region , Dell'Angelo Hospital
SERVICES	Design Project & Construction Management Construction Equipment & High Technology IT Systems
TECHNICAL DATA	The Laboratories at the Mestre Hospital <ul style="list-style-type: none">• Awarding of the management of the laboratory• Definitive design of the laboratory with furnishings and connections• Handover of the spaces of the laboratory• Start-up of the laboratory



European Regional Development Fund Projects in Italy

LOCATION	Italy
SERVICES	Design and Construction Equipment Installation Procurement and Commissioning Maintenance & Service after Sale
TECHNICAL DATA	12 Cardio-Angiography System 23 Mammographs 23 MRI 28 CT 8 Radiotherapy System 1 TomoTherapy System 1 Ciclotron System and 9 PET/CT Minor equipment – Full replacement of the Medical Equipment (Surgery Rooms, Mobile Radiology, Cardiology, ER, ICU, etc...)

Action to increase the supply and renewal of high-tech equipment in the Italian Healthcare System through analysis and renewal, of biomedical technology equipment, on a national scale





**SPECIAL
PROJECTS**

EMERGENCY CARE & SOLUTIONS

Provides integrated technological solutions for Emergency, Field Hospitals, Civil Protection and Clinics. Whatever your requirements are, SuisseMed IHS is capable to provide technological solutions focused on the targets and needs of the Client's requirements and expectations

- Design and implementation of integrated Emergency Project for Military service, Field Hospitals, aid agencies, Civil Protection
- Digital X-Ray images Anytime - Anywhere
- Emergency complete solutions for difficult environments.
- Mobile digital all-in-one system for medical facilities, Field Hospitals, Emergency medicine, Sport Clinics and Hospices.
- Stationary Digital X-Ray.
- dicomPACS and Cloud-based solutions for image archiving and patient records.



Smart Patient Room



- Improving the Patient Care is the fundamental driver behind the technology.
- SPR improves the Quality of Care by providing information directly to the bedside.
- Improving right clinical decisions and patient/medical staff relationship.
- Faster routine documentation exchange.
- Increasing nurses and medical staff efficiency and their ability to spend more time at the patient bedside.
- Improving patient and relatives satisfaction.
- Replicable Technical solution to implement to existing hospitals.
- Fully embedded ICT Integrated Systems.



Smart Technologies Inpatient Units



Internet of Healthcare Things (IOHT)



Vocal recognition



Artificial Intelligent (AI)



Interoperability Platform

The Interoperability and Cooperation Platform (IoP) allows the seamless cooperation among all the ICT tools and modules and combines standards, services, communication protocols and plug-n-play functionalities with the aim to support the exchange of information without interfering nor influencing the normal operation in the interacting systems.

This module is a core element for the implementation of an Electronic Healthcare Record (EHR).





Precision Medicine

Precision Medicine is a Systems approach that will possibly be able to convey a more precise classification of disease. It's a measure of how molecular diagnostics allows physicians to unambiguously diagnose the cause of a disease without having to rely on intuition.

Precision Wellness

Comprehensive integration and personalization of physical, meditational, intellectual, musical and other activities to increase self awareness and connection of the inside with the outside

New Services



Genomics Lab

Next-generation genomic technologies allow clinicians and biomedical researchers to drastically increase the amount of genomic data collected on large study populations to prevent diseases



Anatomy Pathology Lab

Medical Lab that is concerned with the diagnosis of disease based on the macroscopic, microscopic, biochemical, immunologic and molecular examination of organs and tissues.



Gyms for Preventive & Corrective Therapies

Corrective Exercise teaches you how to move with the correct muscles, enabling fluid joint movement and the potential avoidance of nearly any joint or muscle pain. This focus on joint alignment ultimately reduces the likelihood for surgeries.



Rehabilitation Center

Physical medicine and rehabilitation includes various therapies to help a person restore function after illness or injury. These therapies can include Physical therapy, Occupational therapy, and Speech therapy



Multidisciplinary Clinics

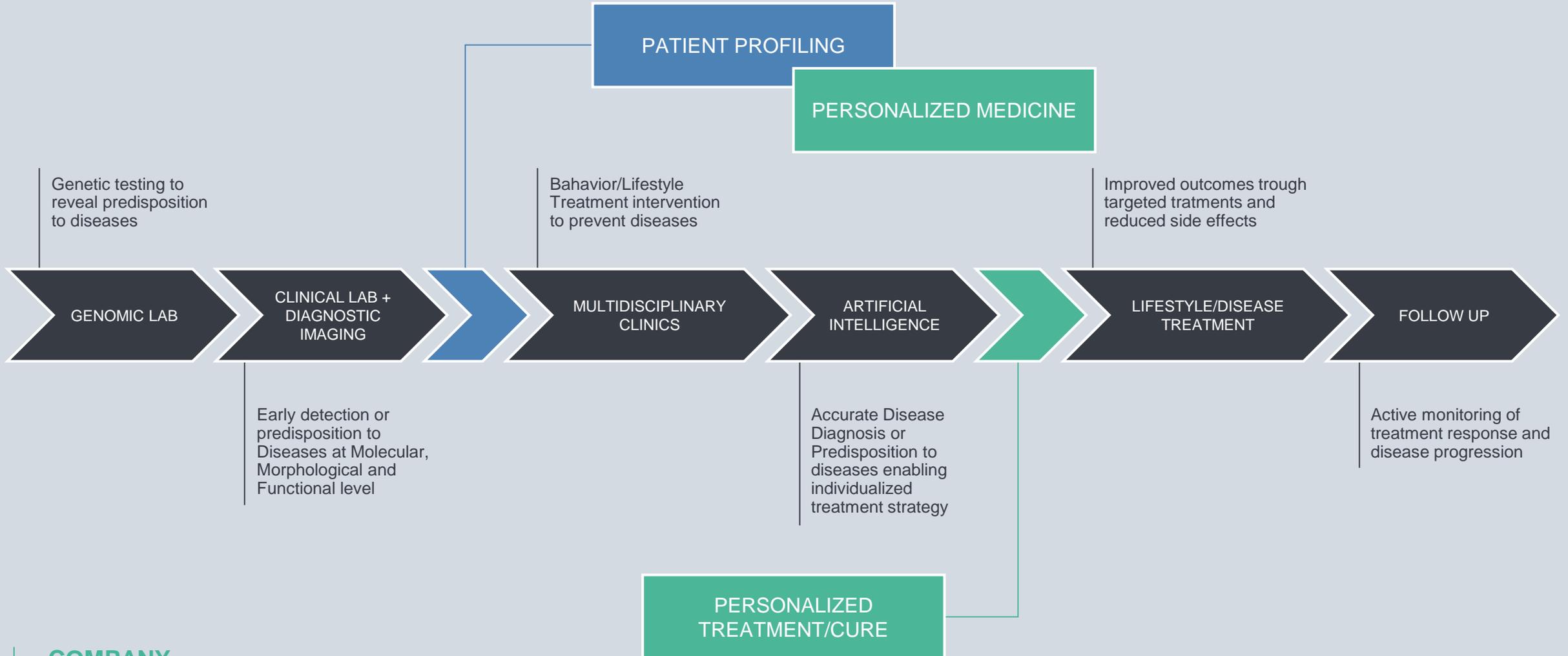
Multidisciplinary clinics that offer standardized multidisciplinary assessment, specific care recommendations, patient and family education, and on-site counseling.



Artificial Intelligence, TeleHealth & IoT

The Internet of Medical Things (IoMT) is the collection of medical devices and applications that connect to healthcare IT systems through online computer networks. IoMT devices link to cloud platforms, on which captured data can be stored and analyzed. IoMT is also known as healthcare IoT.

Innovative Diagnostic Centers





**INFECTION
DISEASES
AND COVID-19**
PROJECTS

COVID-19 Field Hospital

Milan Fair Centre



LOCATION	Milan - Italy
CLIENT	Fondazione Fiera Milano, Fiera Milano S.p.a.
SERVICES	Module Prototype - Design and Procurement
TECHNICAL DATA	GFA: 10.900 mq (L0) + 10.800 mq (L1) = 21.700 mq (L0 + L1) Total beds: 236 Intensive care beds: 100% Other facilities: triage, ambulatory, imaging, operating theatre, laboratory.



In Italy, more than 60 percent of the latest deaths occurred in the northern region of Lombardy, whose hospitals have been reeling under a staggering case load that has left intensive care beds hard to find.

In Milan, one of Italy's most infected province, **the old fairgrounds has being turned into an emergency COVID-19 hospital**. Two unused trade fair pavillions will be used as emergency hospital with 236 ICU beds.



New Emergency Room

Luigi Sacco Hospital, Milan



LOCATION	Luigi Sacco Hospital Milan, Italy
CLIENT	Eni S.p.A.
SERVICES	Architecture Engineering Consultancy

The Group has worked with Ospedale IRCCS Luigi Sacco to set up a new Emergency Room devoted to infectious diseases.

The project consists of strengthening the provision of specialist diagnostic and therapeutic services based on suspect cases and patients with COVID-19 through:

- Extension of the emergency room for "infectious disease" with the creation of new spaces for "short observation" (astanteria)
- New spaces for multi-slice CT in the Emergency Room
- Purchase, supply and preparation of equipment and furniture (anti-x-specifications: wall and ceiling shields, doors and visual)



New HLIU

High Level Isolation Unit

Policlinico San Matteo, Pavia

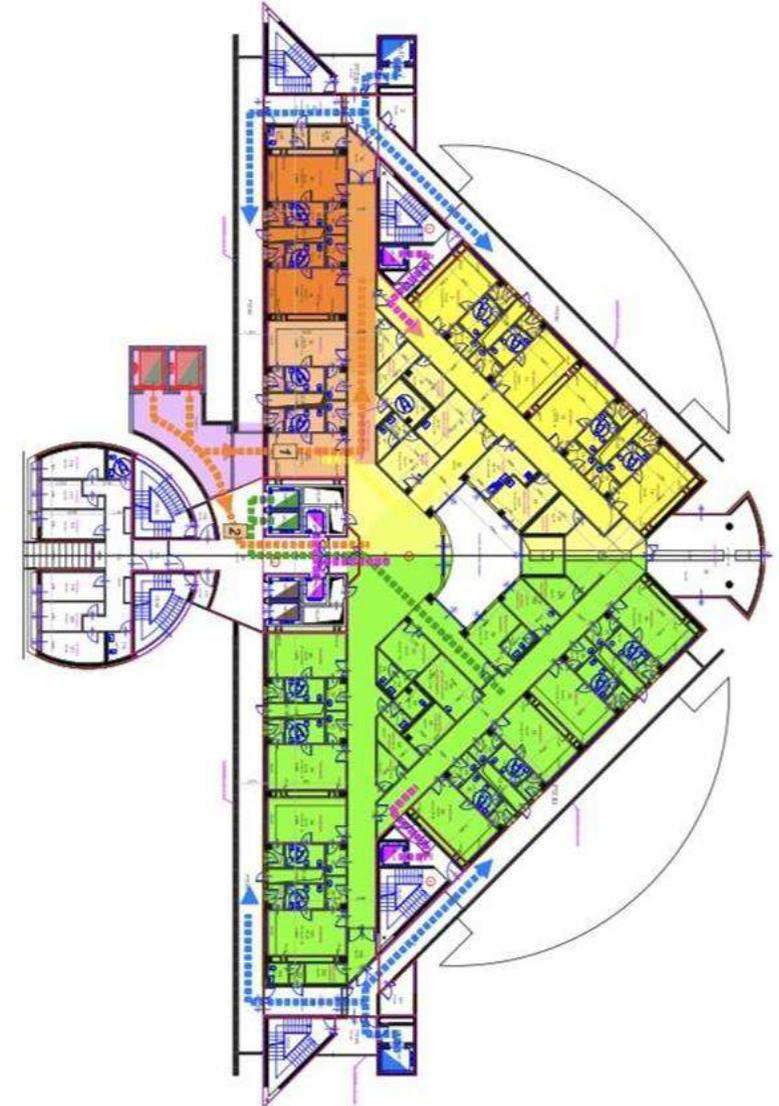


LOCATION	Policlinico San Matteo - IRCCS Foundation Pavia, Italy
CLIENT	Eni S.p.A.
SERVICES	Architecture Engineering Consultancy



In Pavia with Ospedale San Matteo, ENI is helping to set up a high-level isolation unit inside the infectious diseases department. The Group has designed:

- A new High Level Isolation Unit (HLIU) for high bio-containment patients (BSL3/ BSL4)
- Two new lift systems due to transfer highly infectious patients from the landing and triage areas to the HLIU
- A new external volume to be used as specific reception for affected patients



New Intensive Care Unit

S. Elia Hospital, Caltanissetta

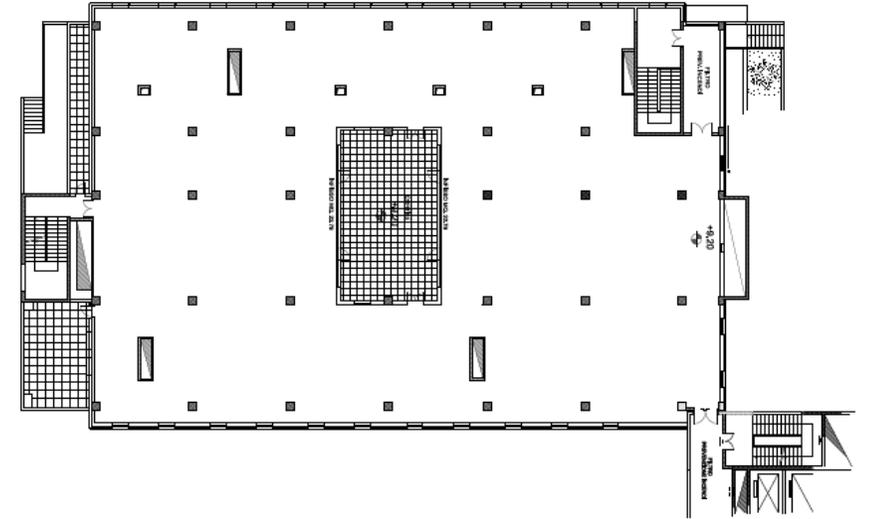


LOCATION	S. Elia Hospital Caltanissetta, Italy
CLIENT	Eni S.p.A.
SERVICES	Architecture Engineering Consultancy

Design, Technical Specifications and Medical Equipment for a new Intensive Care Unit with n.24 beds.

The main characteristics are:

- Modularity, prefabrication and fast realization
- Safety and compliance with national code
- Filtered areas with one-way and interlocked opening doors
- "Cluster" modules also divisible for any particular clinical needs
- Distinct paths between "clean" and "dirty/waste/contaminated" materials



Emergency Intervention Models

Italy



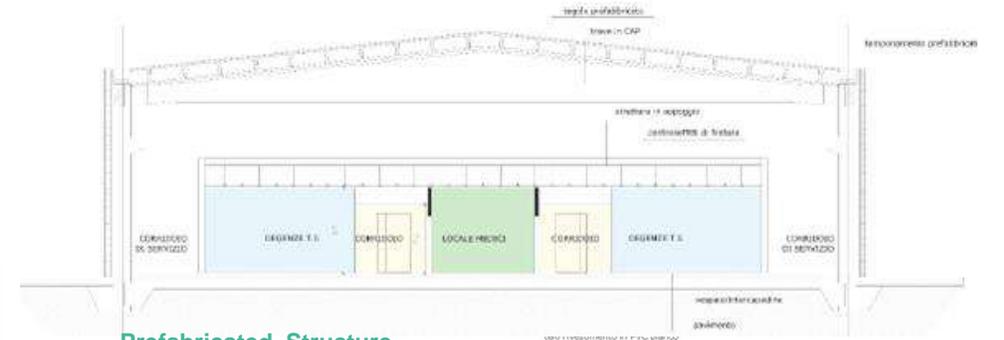
LOCATION	Italy
CLIENT	Salini Impregilo SpA
SERVICES	Feasibility Study Architecture Engineering Consultancy

Concept of different scenarios in order to deal with the emergency of COVID-19.

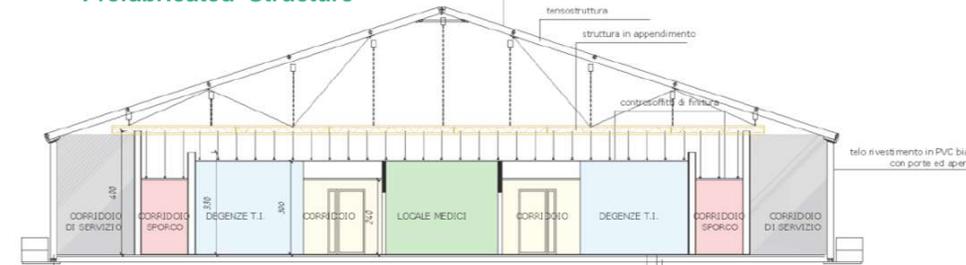
- **First Scenario:** "Clinical Module" of large size and high operational complexity such as Intensive Care, Diagnostic, Surgery, First Aid, hospitalization modules with high intensity assistance or with high isolation / biocontainment characteristics.

System of construction:

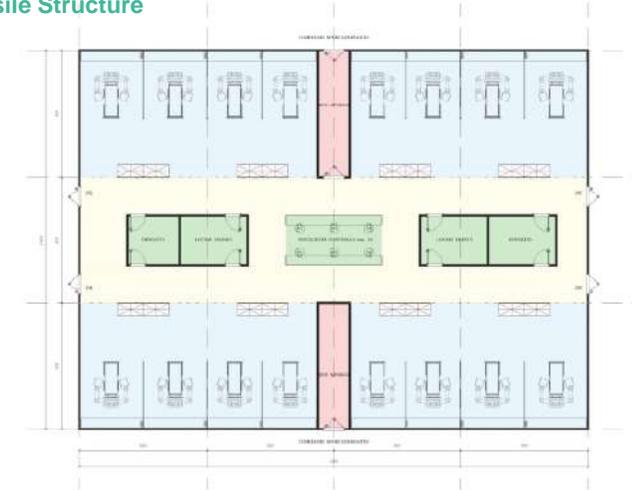
- Prefabricated structure (concrete, steel, XLam...)
- Tensile structure



Prefabricated Structure



Tensile Structure



Emergency Intervention Models

Italy



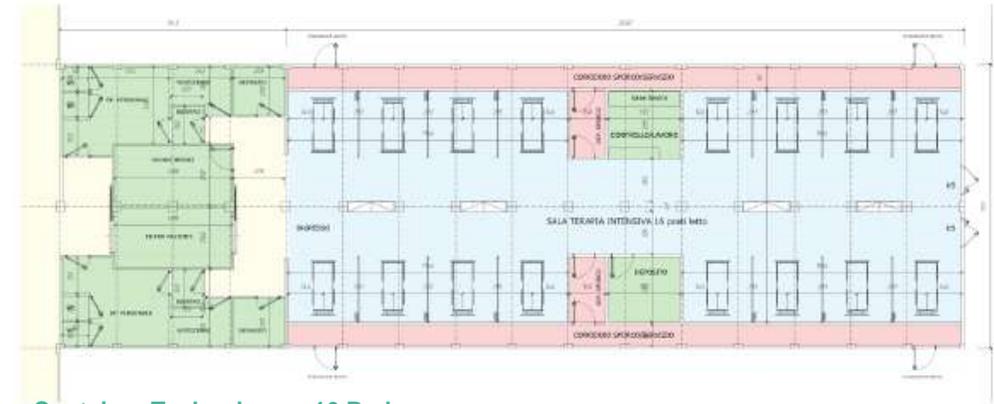
LOCATION	Italy
CLIENT	Salini Impregilo SpA
SERVICES	Feasibility Study Architecture Engineering Consultancy

Concept of different scenarios in order to deal with the emergency of COVID-19.

- **Second Scenario:** "Clinical Module" of medium-small size and medium-low operational complexity such as Pre-Triage, Triage, Sub-Intensive Therapy, hospitalization for rehabilitation post-acute assistance.

System of construction:

- Modular Containers (use in compounds)
- Modular Shelters (specific use)



Container Technology - 16 Beds



Shelter Technology

Intensive Care Unit Prototype

Italy

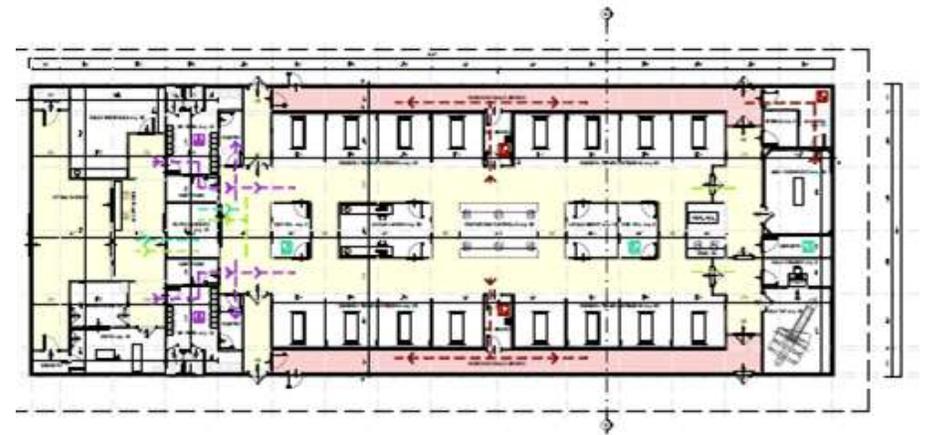
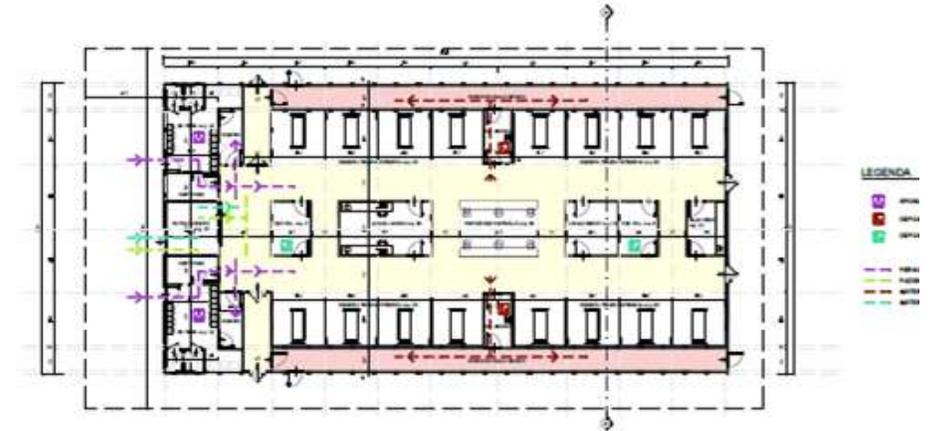


LOCATION	Italy
CLIENT	Eni S.p.A.
SERVICES	Architecture Engineering Consultancy

Concept of a **Prototype Project** for Modular Intensive Care Unit in support of the Covid-19 Emergency.

The main characteristics are:

- Modular Intensive Care Areas, divided into "cluster" modules with 4 beds
- Filter areas for patients
- Filter areas for doctors with unidirectional pathways
- Technological and engineering areas for ordinary and extraordinary maintenance with no interference with clinical flows



ICU Ventilators

Italy



LOCATION	ENI Foundation / Donation to Italian Hospitals
CLIENT	Eni Group
SERVICES	Bill of Quantity Technical Specifications Procurement

As the coronavirus crisis accelerates, Italian hospitals faces a severe shortage of ventilators available for all the patients who are struck by the virus.

In order to overcome this lack, ENI has decided to donate ventilation equipment and Proger Group has been in charge of managing the procurement.

The Group has followed the supply of **500 ICU Ventilators**, in details:

- Contract with the Seller
- Technical Specifications



ICU Ventilators

Abruzzo Region, Italian Government

LOCATION	Pescara, Abruzzo Region - Italy
CLIENT	Abruzzo Region Hospitals
SERVICES	Bill of Quantity Technical Specifications Procurement Commissioning and Installation Supervision

Design, Procurement, Commissioning and Installation of **ICU Ventilators** for the Regional Emergency Hospitals in Abruzzo (March 2020):

- Design of Modules
- Supply of Ventilators for COVID-19 Emergency, designed and equipped in modules
- Ancillary Services





SUISSEMED

INTEGRATED HEALTHCARE SOLUTIONS

SUISSEMED IHS SA

Via a la Mogina, 2

6535 Roveredo, Switzerland

T.+41.91.8350.037

F.+41.91.8271.805

suissemed-ihs.com