



Introduction



96 Project Management

Architecture

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126 Competitions

174 Renovations



INDEPENDENT COMPANY OF INTEGRATED PROFESSIONAL SERVICES



ARCHITECTURE SERVICES



ARCHITECTURE

Own technical specialists. National and international recognition in competitions and completed works.

IDOM ARCHITECTURE SECTORS

Transport Sport Residential Technological Master Plan Commercial Offices Healthcare Cultural Educational Hospitality

SPECIALISED TEAM

Architecture HVAC Electricity Structures Environmental Engineering Geotechnical Engineering Cost Engineering Health and Safety Fire Engineering Traffic Engineering Acoustic Engineering Telecommunications and audiovisuals Special equipment Logisctics and construction consultancy Legal advisor Project Management Construction Management Site supervision Landscaping Signage and Wayfinding

Hospital of Amarante





Cruces Hospital

IDOM HAS A HEALTHCARE STRATEGIC BUSINESS UNIT, WHICH OFFERS PROFESSIONAL SERVICES IN THE FIELDS OF ARCHITECTURE, ENGINEERING AND CONSULTANCY. Elias Santiago day centre





BBK Sarriko Centre

IDOM HEALTHCARE

The experience of Idom in the healthcare sector ranges from the production of feasibility studies and functional programmes, architectural and engineering design, construction project management right through to consultancy services in the areas of strategy, logistics, information systems and innovation management.

To achieve all this, Idom counts on a multidisciplinary team of professionals made up of consultants, architects, and engineers for the development of the following aspects of the project:

CONSULTANCY Strategy, logistics, information systems, innovation, functional programming.

ARCHITECTURE AND URBAN DEVELOPMENT Land surveying, accesses, traffic and carparks, helipads, town planning, landscape design, hospital architecture, construction and finishes, interior design and furniture.

ENGINEERING Geotechnics, foundations and structures; energy and environmental design; building services for electricity, power generation, HVAC, fire protection, plumbing and drainage, technical management of building services, security, telecommunications; medicinal gas fittings, information systems, waste management, sterilization; medical equipment.

CONSTRUCTION AND PROJECT MANAGEMENT Costs and work programming, management of design, permits, building works and risks.

The multidisciplinary character of its team and the comprehensive approach when solving a client's problems define the way in which IDOM takes on the challenges of the healthcare sector.

HEALTHCARE ARCHITECTURE

In IDOM, we approach the design of hospitals by understanding the typological singularity of these buildings, which are much like complex living beings that grow, change, reproduce and age, and that must have at every stage of their life the intrinsic capacity to adapt and evolve.

For this reason, in the Healthcare department in IDOM, architects, engineers and consultants highly specialized in hospital projects, work as a team, combining synergies supported by knowledge, rigor and creativity, and taking on challenges of immense technological and functional complexity.

The targets we set ourselves at the beginning of a new healthcare project are transversal to the idiosyncrasies of each functional programme, the singularity of our clients and the typology and size of the hospital infrastructure: designing flexible and comfortable buildings which are functionally efficient and that allow for sustainable management.

To those general goals, we add the challenge of creating safe and human spaces, focused on the patient, that appease the suffering and anxiety of those who have to remain hospitalized. We consider that a good architectonic design, capable of generating excellent environmental conditions for patients and the clinical and nonEmergencies 112





HOSPITAL **TYPOLOGIES**

Private Hospitals Public Hospitals Health Centres Outpatient clinic PPP Hospitals Dialysis Centres Ophthalmologic Centres

Laboratories Emergencies Psychiatric Units Old people's Homes Hospital Renovations Master Plans Maternity and children's units





Elias Santiago day centre

Some publications

Hospital of Amarante



clinical personnel, plays a key part in the recovery process.

At IDOM, we also work towards our projects having a direct positive impact on the building's management, which will in turn improve the quality of the medical care through the optimization of work patterns and the rationalization of resources and procedures.

With the background of our technical and technological knowledge, accumulated over numerous hospital projects carried out around the world, our desire at IDOM is to help our clients improve the work processes through design, achieving excellent and efficient results on all levels: functional, logistics, economic, energy and physical comfort.





Among the professionals at IDOM, there are members of the PMI (Project Management Institute), the Association of Project Management Professionals based in the USA, the IPMA (International Project Management Association) and the AEDIP (Spanish Association of Integrated Project Management). The methodology followed by IDOM is based on the technical and business guidelines proposed by the aforementioned corporations. This base, and the experience of over 50 years of integrated project management, has allowed us to develop our own Project Management model.

IDOM has ample experience in the design, development and materialization of these techniques, through which it offers clients multidisciplinary teams capable of taking on complex projects that involve endless possibilities and techniques, related to management or relation.

The aim behind this model of Project Management is to offer the client a complete service, backed up by experts in the different fields of construction and engineering in general. This allows us to guarantee that the design of the projects is in line, from a technological point of view, with the client's interests and that the most recent techniques and methods are incorporated in order to ensure the sustainability and the care of the environment.





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PROJECT MANAGEMENT

Integrated project management has been one of IDOM's main activities since its foundation. The company noticed that clients that asked for this kind of service had a special and very specific need and therefore, with the idea of concentrating the experience of the different technical areas, created the Integrated Project Management Department.

Oncology Hospital

HOSPITAL OF AMARANTE UNIVERSITY OF NAVARRE CLINIC **CRUCES HOSPITAL** HOSPITAL OF VALLECAS HOSPITAL OF EL SALVADOR AND NATIONAL INSTITUTE OF GERIATRICS CUF DESCOBERTAS HOSPITAL **EMERGENCIES 112** DR. JOSEP TRUETA HOSPITAL CARLOS ROBERTO HUEMBES HOSPITAL FUNCTIONAL REHABILITATION CENTRE NEW PUBLIC HOSPITAL OF VIGO LIDADOR HOSPITAL RESIDENTIAL AND DAY CARE CENTRE PRIVATE HOSPITAL OF FATIMA CHINANDEGA DEPARTMENT HOSPITAL **BBK SARRIKO CENTRE** HEALTHCARE RESPONSE CALL CENTRE A MERCA HEALTH CENTRE HAEMODIALYSIS CENTR UNIVERSITY OF MISRATAH: FACULTY OF MEDICINE UNIVERSITY OF MISRATAH: NURSING SCHOOL

ARCHITECTURE

HOSPITAL OF AMARANTE, PORTUGAL













The Hospital of Amarante is located on a plot of land of mild relief. Its programme combines the uses of an outpatients' department with those of an emergency department. Each one has its own access. The outpatient clinic, to the north, is on the ground floor; the emergency ward, to the west, is on floor -1.

The building, four storeys high, is shaped like a rectangle, formed by a grid of independent volumes, interconnected by a longitudinal axis. The interstitial spaces between the volumes create two types of patios: closed on the inside and open to the outside.

CLIENT Centro Hosp. do Tâmega e Sousa

> LOCATION Douro Litoral, Portugal

> > AREA 20,551 m²

> > > COST 21 M€

YEAR 2008 - 2012

FUNCTIONS

Architectural, structural and building services projects, Construction stage technical coordination

No. BEDS 60

No. OPERATING THEATRES 3

No. SURGERIES 23

Mental Health Unit Imaging and clinical Pathologies

SOUTH ELEVATION







A FLEXIBLE BUILDING CAPABLE OF ADAPTING TO DIFFERENT CIRCUMSTANCES

The new branch of the University of Navarre Clinic in Madrid has 45,500 m² destined for hospital functions.

It is a very compact building, with a central atrium that eases distribution and completely flexible inside (to adapt to the needs at any given time).

Special attention has been paid to certain issues, such as lighting, acoustics, space, climate, energy and functionality. It includes systems that significantly enhance energy saving.

The building works are under way. The clinic is organized around four big areas corresponding to different medical specialities: maternity, children's and gynaecology area, cardiovascular, oncology and diagnosis and specialities (check-ups, high resolution consultations and preventive treatments). CLIENT University of Navarre Clinic

> LOCATION Madrid, Spain

> > AREA 45,500 m²

> > > 23

YEAR 2013 - 2015

FUNCTIONS Architecture and Structural projects

No. BEDS 60

No. OPERATING THEATRES 6

PROCEDURE ROOMS 4

ICU STATIONS 7







The new General Services building of the Cruces Hospital has 10,000 m² used to accommodate laboratories specialized in genetics, research, microbiology and anatomical pathology and an underground car park.

Its dominant translucent white glass provides the appearance of a technologically advanced and aseptic container. The vertical slats on its façade, having great depth, allow for an optimum solar control on the East and West fronts.

The floors are clear and open, with large spans between columns, giving it great flexibility for future changes. CLIENT Osakidetza / Basque Healthcare Service

> LOCATION Barakaldo, Spain

AREA 9,962.51 m²

COST 14,2 M€

YEAR 2007 - 2012

FUNCTIONS Projects for architecture, structure and building services Site supervision





The Vallecas Hospital Project, named after Princess Leonor, is based on the conceptual design prepared by VAB Arquitectos and is located on a 173,521 m² plot destined for hospital use.

The building has a modular organization to allow for its future extension. It consists on a square-based modular grid that serves as a backbone. Around it, six satellites of varying sizes are grouped together. The grid is also developed vertically, with a basement and four storeys above ground. The backbone acts as a main hall.

The building is located on a horizontal platform and its half-open shape connects it with the plot, which is entirely landscaped.

This hospital has 324 hospitalization beds, 13 operating theatres, 101 emergency posts, 190 surgeries, 30 service points in the day care hospital, 16 incubators in the neonatal nursery, 9 dilation rooms, 32 diagnostic imaging rooms and the rest of usual services related with clinic and medical support, the management of patients and users, training and teaching, research, administration and management, logistics and general services. CLIENT PLODER Construcción S.A. and BEGAR

> LOCATION Madrid, Spain

AREA 71,624 m² of hospitalization over 23,641 m² of parking area

> COST 85 M€

YEAR 2005 - 2008

FUNCTIONS Projects for architecture (in collaboration with VAB), structure and building services Site supervision

No. BEDS 324

No. OPERATING THEATRES 13

PROCEDURE ROOMS 30

ER CAPACITY 101





HOSPITAL OF EL SALVADOR AND NATIONAL INSTITUTE OF GERIATRICS, CHILE

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The new El Salvador Hospital, in Santiago de Chile, is the replacement of an old and prestigious Chilean hospital unit, erected at the end of the 19th century.

On distinctly urban terrain, located in Providencia, the project brings together two institutions which had been apart up to now: the El Salvador Hospital and the Geriatrics National Institute.

The existence of a green park on the plot, as well as original wings which had to be preserved, along with the tight regulations that apply to the plot, conditioned the design of the hospital, driving it towards singular and in-novative solutions in the field of hospital architecture.

Nature, the gardens, the silence and the presence of sunlight played a decisive role in the process. So, garden patios were defined that take on different characteristics and identities according to their location: geriatrics, psychiatry, rehabilitation, etc.

CLIENT Public Works Ministry

LOCATION Santiago de Chile, Chile

> AREA 112,811 m²

YEAR 2012 - 2014

FUNCTIONS Scheme design of architecture, structures and building services for tendering process in publicprivate collaboration.

No. BEDS 642

No. SURGERIES 136

No. OPERATING THEATRES 26

PROCEDURE ROOMS 117

CUF DESCOBERTAS HOSPITAL, PORTUGAL











This new facility, located in the Parque Das Nacoes in Lisbon, came about due to the need to extend the CUF Descobertas Hospital, which has been operational since 2001.

The project is based on high standards of functional, construction and energy efficiency, and it will house the outpatient clinic which will be portrayed as a healthcare unit open to the public. Special attention has been paid to the comfort and privacy of patients.

This new building has strong components related to orthopaedics, gynaecology and obstetrics, paediatrics, immunology/allergy, ophthalmology and dermatology.

A FLEXIBLE BUILDING, WITH HIGH COMFORT STANDARDS AND ENERGY EFFICIENCY - NZEB (NEAR ZERO ENERGY BUILDING) CLIENT CUF Descobertas Hospital

AREA 23,010 m² (11,200 m² for clinical area and 11,810 m² for parking)

YEAR 2014 - 2016

LOCATION Lisbon, Portugal

FUNCTIONS Comprehensive architecture project and elevator traffic study

No. SURGERIES 115

No. SPECIAL ROOMS 30

No. OPERATING THEATRES 2









building. It brings together all the bodies and agencies involved in emergency management to provide an effective and co-ordinated response.

The complex is located as an architectural reference in an area dominated by industrial and touristy

The 112 Building in Reus is a new type of operational landmarks. The positioning in the long and steep plot was carried out following safety criteria and terracing the main functional elements: the heliport, the car park, the plinth and operative box – telecommunications tower.







CLIENT Regional Government of Catalonia

> LOCATION Reus, Spain

> > **AREA** 15,000 m²

YEAR 2008 - 2010

FUNCTIONS

Projects for architecture, structure and building services Project management Construction management Site supervision

The building includes high physical security measures, both inside and out. The building's critical systems (power, HVAC, telecommunications), since they operate round the clock, have built-in redundancy. Furthermore, the building can function autonomously for 5 days in the event of supply failures. The building was designed following strict sustainability and energy efficiency criteria, allowing it to become the first public facility in Spain to be LEED certified (SILVER category).

DR. JOSEP TRUETA HOSPITAL









FIRST PRIZE IN INTERNATIONAL COMPETITION

The project was developed as a joint venture between MAP and IDOM. It was for the new hospital of Gerona, and it has 252 hospitalization beds, a surgical block with 18 operating theatres, 48 intensive care beds, an emergency room with capacity for 44 adults and 11 paediatrics patients, 105 surgeries, 57 service points at the day hospital and a nuclear medicine sector. The hospital is located on a 27,580 m² plot and will have 100,015 m2 for parking, which will be complemented by another 22,055 m². It will replace the existing hospital, which was built in 1956.

Due to its location, at the city entrance and near the motorway that comes from France, it becomes a landmark for the city of Gerona.

Special attention has been paid to sustainability and energy efficiency in order to significantly reduce the consumption levels of the building services.

FUNCTIONS Detailed architectural design (in collaboration with MAP) Detailed design for structure

and building services

No. BEDS 252

No. OPERATING THEATRES 18

No. SURGERIES 105

CLIENT GISA S.A.

LOCATION Girona, Spain

> AREA 100,000 m²

> > COST 206 M€

> > > YEAR 2010

CARLOS ROBERTO HUEMBES HOSPITAL, NICARAGUA



908 0835 085





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Carlos Roberto Huembes Hospital is located in District 3 in Zumen, belonging to the municipality of Managua. It sits on a 34,558.50 m² plot destined for healthcare uses.

It has 300 beds and 5 big blocks that contain the different medical areas: the outpatient and clinical support block, the A&E, the hospitalization area, the technical block and the general services and technical facilities area.





53

No. BEDS 300 (62 of which for critical patients)

No. OPERATING THEATRES 8

N₀. SURGERIES & PROCEDURE ROOMS 62

FUNCTIONS Technical and economic feasability study Architecture Project, structures and building services Hospital equipment project

CLIENT Central American Bank for Economic Integration

> AREA 42,000 m²

COST 81.949.744€ (includes technical equipment)

> YEAR 2012 - 2013

LOCATION Managua, Nicaragua

FUNCTIONAL REHABILITATION CENTRE, COLOMBIA

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A COMPACT BUILDING SURROUNDED BY GARDENS WHERE THE USERS CAN PARTICIPATE IN A VARIETY OF ACTIVITIES

The building is a Functional Recuperation Centre (CRF) belonging to the Colombian army. Its purpose is for post-hospitalization stays prior to going back into service or life as a civilian. Patients are wounded soldiers or amputees.

The main entrance to both buildings is defined by a forecourt which helps organize the flow of traffic and pedestrians.

The CRF is planned as a compact building surrounded by gardens where users can participate in a variety of leisure activities. All floors are organized in the same way. A central corridor between the vertical communication cores on the East and West ends grants access to all areas distributed on either side.

The building includes Administrative Areas, General Services (a tailor's shop, a barber's, a laundrette, a dining room and maintenance), social and leisure areas (games room, a soldier's shop, a cafeteria, a music band and a gym), the technical functional Unit which covers Admissions, infirmary and 30 hospitalization beds, 93 beds for orthopaedics and 160 for amputees and 10 surgeries, as well as hydrotherapy room (with a pool), reanimation, lasotherapy, mechanotherapy, electrotherapy, rehabilitation, occupational therapy (rehabilitation, daily activity training, neurological and mental health areas). Plus, the premises have 70 parking spots and a sports court.

CLIENT National Defence Ministry of Colombia

> AREA 19,000 m²

> > COST 20 M€

YEAR 2012 - 2013

LOCATION Bogotá, Colombia

FUNCTIONS

Feasibility studies Architectural and engineering projects Construction stage technical coordination

No. BEDS 30 hospitalization beds, 93 beds for orthopaedics and 160 beds for amputees

No. OPERATING THEATRES 15

SURGERIES CONSULTAS AMBU-LATORIAS 10

No. THERAPY ROOMS

Hydrotherapy, terrestrial, march, reanimation, laser therapy, mechanotherapy, occupational therapy











With a project by Valode & Pistre and Luis Vidal & Partners, the hospital of Vigo opted for the integration of the building in the natural surroundings. To do so, the buildings were staggered, adapting them to the slope they rest on in order to reduce the visual impact of the complex. Over the green roofs in the outpatients' area, the six hospitalization towers stand out, with a geometry that opens up to the landscape.

The new hospital has 1,324 beds, 150 consultation rooms and 24 operating theatres, making it the main hospital in southern Galicia. The structural project deals with the staggering of the different bodies, the flexibility needed for the distribution of uses and the speed of execution. The building services incorporate energy saving systems such as trigeneration, reusing rain water and adequate waste management, which minimize the environmental impact of a project this size.



CLIENT UTE NOVO HOSPITAL DE VIGO

> AREA 297,235 m²

> > COST 237 M€

> > > YEAR 2015

LOCATION Vigo, Spain

No. OPERATING THEATRES 24

FUNCTIONS

Building services project Structural project Urban design project Site supervision for building services, structures and urbanization

No. BEDS 1,324

No. SURGERIES 150

DIAGNOSIS ROOMS 35 diagnostic imaging









This private hospital, in the North of Portugal, has 64 hospitalization beds backed up by a surgical block with 4 operating theatres and a diagnostic imaging centre, as well as an outpatient's and complementary examinations area. The building also has a physical medicine and rehabilitation centre with hydrotherapy pools.

In a symbolic allusion of the four parts of the heart divided into the atria and ventricles, the Lidador Hospital in Maia which will specialize in cardiology treatments, is organized into four autonomous blocks arranged on the ground in a cruciform design.

This volumetric organization intends to ensure a correct fitting of the functional programme, allowing for the clustering of functionally interdependent services and the organization of accesses and circulation routes.

FIRST PRIZE IN INVITED COMPETITION

CLIENT Healthcare Portuguese group

AREA 28,260 m²

COST 27 M€

YEAR 2006 -2008

LOCATION Maia, Portugal

No. BEDS 64

No. OPERATING THEATRES 4

NO. SURGERIES 32

FUNCTIONS Outline design Architectural, structural and building services projects






THE CENTRE ADAPTS TO THE TERRAIN AND IS ORGANISED AROUND GARDEN FILLED SPACES WHICH GO INSIDE THE BUILDING

The building, which includes a residential care facility with a capacity for 210 residents, a Day Centre, for the elderly, and also a Residence, descends progressively, following the plot's natural slope. This creates a garden between three of its bodies, which mainly house the centre's dorms. These bodies are connected, perpendicularly, to a fourth volume which is more irregular and not as tall and shelters the common areas.

70

The intersections that occur where the bodies meet are used for the vertical communications.

The free spaces between blocks allow for the garden areas to enter the building, like a comb. This means that the users can benefit from the privileged surroundings they have.





A BUILDING CONCEIVED FOR THE WELLBEING OF ITS USERS

CLIENT IASS

AREA 15,564 m²

COST 18.6 M€

> YEAR 2009

FUNCTIONS Architecture and engineering projects Site supervision

> LOCATION Zaragoza, Spain

NURSIN HOME Capacity 210

DAY CARE CENTRE RESIDENTIAL CARE HOME





GROUND FLOOR





FIRST PRIZE IN LIMITED COMPETITION

Over a base composed by several blocks which serve as surgery and ER, rests a white polished stone cube that houses the hospital's technical areas that require greater privacy.

This base fragmentation is the consequence of needing to preserve an important group of trees that were on the plot, which have served as a starting point for the architectonic solution. By making the most of the exuberant vegetation in the area, and adding other elements such as water and natural light, the intention is to get spaces with good environmental quality, thus

allowing the architecture and the landscape to act as placebos in the recovery process of patients.

The clinic will have a rehabilitation area and a hospitalization wing, with 94 beds, 9 operating theatres, a haemodynamic room, an outpatients department core, an uninterrupted attention post (PAC) and diagnostic imaging department, a reproduction unit and specialized areas for thorax illnesses, endoscopic diagnosis and treatment, urology and pelvic floor.



AREA 23,500 m²

> COST 26.5 M€

YEAR

2010 - 2011

No. BEDS 94 No. OPERATING THEATRES 9 SURGERIES EXTERNAL CORE HAEMODYNAMICS ROOM

CLIENT Clinifatima medical services

> LOCATION Fátima, Portugal

FUNCTIONS Architectural, structural and building services

detailed designs, Construction stage technical coordination

CHINANDEGA DEPARTMENT HOSPITAL, NICARAGUA







The Chinandega Department Hospital will be located on a 55,078 m2 plot destined for this use in the town of El Realejo, Chinandega Department, Nicaragua.

The hospital will have 300 beds and 5 large blocks which will house the different medical areas: Outpatients and Clinical Support Block, ER Block, Hospitalization Block, Technical Block, General Services and Technical Premises over a built area of around 40,000 m². CLIENT Central American Bank for Economic Integration

AREA 40,000 m²

COST

72,594,469 \$ [includes technical equipment]

> YEAR 2012 - 2014

LOCATION Chinandega, Nicaragua

FUNCTIONS

Technical and economic feasability study Architecture Project, structure and building services Equipment project

No. BEDS 300

No. OPERATING THEATRES 8

No. SURGERIES 31







The BBK Sarriko combines two differentiated uses: it is primarily a residential care home for the elderly and a low-rent apartment block for young people. The main challenge is embodied by the idea of a building capable of evolving so that it can gradually go from its first use to its second, without hardly any renovation works.

The building overlooks the new Sarriko square and completes the modernization of this part of Bilbao, which began with the construction of the new Music School and the Metro Bilbao station. Designed as a block staggered over several levels, the project has a total volume inferior to that of the building which previously occupied the plot.

The centre is designed to maintain very low energy demand levels. These needs are taken care of by high efficiency installations that offer great comfort to the building users, who have controlled ventilation available in each room.

As to sustainability, the building has been LEED Certified.

CLIENT Bilbao Bizkaia Kutxa

> AREA 20,362 m²

> > COST 15 M€

YEAR 2009 - 2012

LOCATION Bilbao, Spain

FUNCTIONS

Projects for architecture, structures and building services Site supervision Integrated project and construction management

RESIDENTIAL CARE HOME

APARTMENTS Adapted 168

HEALTHCARE RESPONSE CALL CENTRE







The building, which is three storeys high and includes a semi basement, is the head office of Healthcare Responds, a pioneering project in the Andalusian health system which offers services involving appointment making, second medical opinion and other assistance through a great call centre. It also includes training and administration areas, as well emergency teams in the semi basement.

The building is conceived as a transparent piece in which a more closed volume appears; the call reception room. Dialogue is therefore established between the different levels: the underground functions, understood as a calm area; the entrance, understood purely as a transit area between levels and an area for future extensions; the administration and training level, with great visual continuity of the plaza and the upper level, the most unique piece, the call reception room.



2nd FLOOR



CLIENT EPES

AREA 2,500 m²

> COST 2.9 M€

> > **YEAR** 2006

LOCATION Jaen, Spain

FUNCTIONS Architecture and engineering projects Site supervision

A MERCA HEALTH CENTRE









GROUND FLOOR

The building deals with the specific conditions imposed by a middle scale health programme in a triangular plot of complex topography, but with excellent views of the nearby woods and the mountains in the background.

The project looks for the widest part of the plot, near the woods, taking over the introduction methods of traditional Galician and vernacular architecture, where rich intermediate spaces are created in order to mediate with nature.

CLIENT

Galician Regional Government / Healthcare and Social Services Department

AREA 524.85 m²

COST 0.5 M€

YEAR 2006-2009

LOCATION A Merca, Spain

No. SURGERIES 5

FUNCTIONS

Architecture and engineering projects Site supervision



16 dialysis posts + 2 reserve stations for negative patients

ROOM 1

ROOM 2

ROOM 3

16 dialysis posts + 2 reserve stations

for negative patients

6 dialysis posts

with hepatitis B

6 dialysis posts

for patients with hepatitis C

+ 1 reserve station

for patients

ROOM 4

+ 1 reserve station

AREA 4,176 m²

CLIENT

Aragon

Order of the Brothers of Saint John of God

COST 6 M€ YEAR

Underway LOCATION

Zaragoza, Spain

FUNCTIONS Architectural, structural and building services projects. Site supervision and management

The building works on a single floor over which four rooms are distributed, each one with its own dialysis and reserve stations. The rooms that make up the programme, as well as the stages of the haemodialysis process, are organised in such a way that going through the process has a correspondence with going through the rooms. One leads on to the next. A series of courtyards separate the rooms, avoiding the loss of contact with the outside. The building, whose limit coincides with that of the plot, is designed with the idea of braking away from the conventional hospital like character, generating a more agreeable ambiance.

UNIVERSITY OF MISRATAH: FACULTY OF MEDICINE, LIBYA

The city of Misratah, in Libya, wishes to build a new University campus for eight colleges and the relevant additional services such as a Vice-Chancellor's Office, a Library, a Conference Hall and sports and residential areas. The proposal is a reinterpretation of the historical spaces found in the Alhambra of Granada.

The colleges will be connected in order to create shade and areas for socializing. A central square inspired by the nearby ruins of Leptis Magna, guides the project.

The assignment is to prepare the Master Plan and the entire Urban Development Project, as well as the architectural development of all buildings. The planned faculties are: Faculty of Education, Law, Economics, Medicine, Nursing, Sciences, Engineering and Information Technology. The campus will have sports and residential areas for students and teachers alike.

The medical school will teach up to 800 students. It has three storeys above the ground floor. It includes the usual services required by a faculty of these characteristics, such as: minimally-invasive surgery simulation rooms, operating theatres for invasive surgery recreation, operating theatres for normal simulation and classrooms for nuclear medicine, ophthalmology, obstetrics, paediatrics, anatomy, gynaecology and internal medicine. CLIENT Inpregilo Lioco General Contracting Co

> AREA 15,967 m²

COST Confidential

> YEAR 2009 - 2011

LOCATION Misratah, Libya

FUNCTIONS

RIBA stages 1-4: project of architecture, structures and building services, Site supervision.

The city of Misratah, in Libya, wishes to build a new University campus for eight colleges and the relevant additional services such as a Vice-Chancellor's Office, a Library, a Conference Hall and sports and residential areas. The proposal is a reinterpretation of the historical spaces found in the Alhambra of Granada.

The colleges will be connected in order to create shade and areas for socializing. A central square inspired by the nearby ruins of Leptis Magna, guides the project.

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The nursing school will teach up to 1,000 students. It has three storeys above the ground floor. It includes the usual services required by a faculty of these characteristics, such as: anaesthesia rooms, general operating theatres, pre-op theatres, anatomical evaluation rooms, intensive care recovery rooms, neonatal rooms and high dependency units. CLIENT Inpregilo Lioco General Contracting Co

> AREA 19,992 m²

COST Confidential

> YEAR 2009 - 2011

LOCATION

Misratah, Libya

FUNCTIONS

RIBA stages 1-4: project of architecture, structures and building services, Site supervision.

HOSPITAL OF ELCHE HIGH SPECIALIZATION HOSPITAL IN ZUMPANGO HOSPITAL OF GANDIA IMQ MEDICAL-SURGICAL INSURANCE GROUP OUR LADY OF HEALTH HOSPITAL ONCOLOGY HOSPITAL CENTRAL TEACHING HOSPITAL OF ASTURIAS HOSPITAL OF TORREVIEJA EXTENSION SANT JOAN DE DÉU HOSPITAL PROJECT MANAGEMENT

CLIENT ELCHE-CREVILLENTE SALUD SA

> AREA 44,500 m²

COST 65.5 M€ (includes medical equipment)

> YEAR 2008 - 2010

FUNCTIONS Integrated project and construction management

> LOCATION Elche, Spain

No. SURGERIES 70

No. BEDS 296

No. OPERATING THEATRES 6

Idom carried out the project and construction management for the new Elx - Crevillent hospital which is included in the 2005-2008 Programme Building Health of the Generalitat Valenciana, whose population assigned by Basic Zones is of 129,707 people.

The establishment of the building, designed by architecture and town planning practices in collaboration with Jose Leon Paniagua, was carried out on a plot provided by the City Council to the Valencian Regional Ministry of Health, following a sector land subdivision.

The total investment for the construction of the hospital reached 65.5 million euros. The building with a total area of 44,500 m² and an urbanization area of 50,106 m² is distributed over four floors with a planned capacity of 198 beds and a possible maximum capacity of 296.

Idom's role as project manager was to represent the developer in the dealings with the entities involved, as well as directing the designers and contractors in order to achieve the time, cost and quality objectives set.

HIGH SPECIALIZATION HOSPITAL IN ZUMPANGO, MEXICO

The Highly Specialized Regional Hospital has 124 beds and 30 consultation rooms, where specialized clinical services will be provided, such as Anaesthesiology, Cardiology, Gastroenterology, Haematology, Infectious Diseases, Neonatology, Pulmonology, Neurology, Nephrol-ogy and Haematology, among others. It also includes a burn unit with six intensive therapy beds in individual cubicles, an operating theatre, a balneotherapy room, a monitored nurses' station, a work room and changing rooms. It is estimated that this facility will benefit over 2.9 million people in 27 municipalities.

The work carried out by IDOM has involved the supervision of the project management as an independent engineer appointed by the bank financig the project; the review of the amounts paid in advance at regular periods throughout the project; the checking of the progress of work with the amounts paid out; the identification of critical points; the review of the budget and work programme and the monitoring of the building work. CLIENT Comprehensive Management of Hospitals of Zumpango

> AREA 28,000 m²

LOCATION Zumpango, Mexico

COST 53 M€ (includes technical equipment)

> YEAR 2012

FUNCTIONS Integrated project and construction management

No. BEDS 124

No. SURGERIES 30

The Gandia Hospital building works commenced with the modification of the original design. This translates into an increase in the built area of approximately 10% as well as a general remodelling of the originally proposed building.

The adopted solution includes an inner ring-road with visual-acoustic protection offered by trees, while also minimizing the development impact and enhancing the ecological aspect. It incorporates a low-rise building distributed in two blocks:

 Technical block on three levels (access, care services, diagnosis and treatment, and the surgical area).
Hospitalization on four levels (general services and rehabilitation and hospitalization), two parallel circulation axes: an interior one (nursing staff and patients) and a service one (nursing stations and wards), and internal courtyards for lighting, sunlight and rest.

The hospital building has a built area of $48,640.30 \text{ m}^2$ and $3,269.40 \text{ m}^2$ for building services. The hospital has 411 beds, 10 operating theatres and 3 delivery rooms.

CLIENT Valencian Regional Government

> **AREA** 48,640 m²

COST 48.4 M€ (includes technical equipment)

> FUNCTIONS Site supervision

> > LOCATION Gandía, Spain

> > > YEAR 2007 - 2015

No. BEDS 411

No. OPERATING THEATRES 10

The new Zorrotzaurre Clinic belongs to IMQ, a health insurance company. It is the leading insurance healthcare provider in the region of Biscay and is established all across the Basque Country region. It is also the reference centre for the whole region. Designed by OAB and AIDHOS Architecture, it includes 157 rooms, 14 ICU beds, 12 cubicles, 7 operating theatres and 60 consultation rooms as well as a car park for over 450 vehicles.

IDOM carried out the comprehensive management of the whole process, from the very beginning by assisting IMQ in the development procedures, to the opening of the clinic and the start-up of all the facilities and equipment.

IDOM took part in the complex process not only in relevant aspects such as the timeframe or the cost, but also in all the administrative procedures to speed up the many processes that were required.

In the same way, it also intervened in the tendering and hiring process for the building works and coordinated all the agents involved, managing the entire procedure. Our job was key in order to successfully accomplish the task in all aspects.

CLIENT Sociedad Inmobiliaria do IMQ, S. A.

AREA 46,320 m²

COST 50 M€

YEAR 2008 - 2012

FUNCTIONS Integrated project and construction management

> LOCATION Bilbao, Spain

No. BEDS 157

No. SURGERIES 60

OUR LADY OF HEALTH HOSPITAL

The Sanatorium Nuestra Señora de la Salud, founded in 1923, is an institution in the city of Granada. In recent years, its activity has grown in such a way that its capacity is almost saturated and its future growth perspectives demand larger spaces that are more suited for the modern-day and future medical treatments. With the idea of taking these challenges on and continue to lead the private healthcare activity in the province, the Sanatorium's management decided to address the construction of a new Sanatorium Nuestra Señora de la Salud.

IDOM was hired to manage the entire building process, from beginning to end, including the delicate operation of moving the premises from the old site to the new one.

This process includes design services and their monitoring, hiring the building contractor and the supervision of all works up to their completion until the building is fully functional. CLIENT SALUSA

AREA 19,000 m²

COST 25 M€ (includes medical equipment)

> YEAR 2010 - 2015

FUNCTIONS Integrated project and construction management

> LOCATION Granada, Spain

No. BEDS 100

No. SURGERIES 22

No. OPERATING THEATRES 9

PROCEDURE ROOMS 7

The community outreach programme of the KUTXA Bank has built the new building for the Oncology Institute in Miramon (Donostia-San Sebastián).

114

Once the detailed design of the building was completed by architect Jon Uranga Etxabe (USLAN ARK, S.L.), with the idea of carrying out its construction within the set time and budget, IDOM was appointed by KUTXA to deliver Project Management Services in order to manage the tendering stage and contractor appointment and the construction stage and quality control technical coordination.

The total built area of the Oncology Institute is 23,500 m², distributed over 3 floors above ground level and 2 basements.

COST 38 M€ (includes medical equipment) LOCATION San Sebastián, Spain

No. BEDS 104

No. OPERATING THEATRES 3

No. SURGERIES 8

PROCEDURE ROOMS 3

CLIENT KUTXA

AREA 23,500 m²

> **YEAR** 2009

FUNCTIONS Integrated project and construction management

CENTRAL TEACHING HOSPITAL OF ASTURIAS

The architectural complex, built on the 364,867 m² plot of "La Cadellada", has 1,039 beds. The complex includes an outpatient area in the form of 4 bodies associated with the main building; a hospitalization building rising 9 storeys above ground level; an accident and emergency area and a central general services area that brings together the rest of areas that add up to a total of 189,345 m².

The programme for the complex, designed by Juan Navarro Baldeweb and Ángel Fernández Alba, includes 121 ICU beds, 175 day hospital beds, 42 operating theatres, 200 surgeries, 120 examination rooms, 79 emergency cubicles and university areas such as classrooms, laboratories and an auditorium with capacity for 452 people.

Surrounding the complex, 3 parking lots have been built (totalling 62,000 m²), with capacity for 2,035 vehicles. In addition, the old adjacent mental hospital has been refurbished as a new administration area.

CLIENT GISPASA	of n
AREA	e
189,345 m ²	rs d
COST 250 M€	e
YEAR 2005 - 2011	1- 21
UNCTIONS onstruction anagement	0 95 95
LOCATION riedo, Spain	lt
EATRES 42	5. n
BEDS 1.039	
GERIES 200	

PROCEDURE ROOMS 120

The hospital of Torrevieja, a project by architect Reinaldo Ruiz Yebenes, from AIDHOS Architecture, is a new build with a built area of 38,397 m². Our role was to carry out the integrated project and construction management. The project, covering 4 storeys and 700 parking spaces, includes 250 hospitalization beds, excluding those in the outpatient departments and the ER. The building works was carried out in two stages. The first one involved the construction of the whole hospital but only opening the first three floors, up to 150 beds. CLIENT UTE Torrevieja-Salud

> **AREA** 38,397 m²

COST 54 M€ (includes medical equipment)

> YEAR 2008

FUNCTIONS Project and construction management

> LOCATION Torrevieja, Spain

> > No. BEDS 250

No. SURGERIES 60

No. OPERATING THEATRES 11

EXTENSION SANT JOAN DE DÉU HOSPITAL

The Sant Joan de Deu Hospital in Manresa, which is part of the network managed by the ALTHAIA Foundation, attends to a population of around 220,000 from the regions of Bages, Bergueda, Cerdanya and Solsones.

The work on the second extension phase, which was started in November 2010, has in turn been divided into two great stages. The first started functioning in October 2013 and the second, in October 2014.

Apart from having numerous operating theatres and conventional hospitalization beds, the complex also has other care and support services, like a Teaching, Innovation and Quality area, classrooms and study room, the Clinical Documentation and Information Service, a Radiology Unit, Laboratories and an assembly hall fit for around 200 people. This is complemented by the new Obstetric and Gynaecological Block. The extension also includes cutting-edge technological equipment and the improvement of services. CLIENT ALTHAIA Foundation

AREA

60,000 m² New build 40,000 m²

> **YEAR** 2014

No. BEDS 402

No. OPERATING THEATRES 17

LOCATION Esplugues de Llobregat, Spain

FUNCTIONS Project and Construction Management

EMILE MARYSCH HOSPITAL CENTRE IMQ HOSPITAL HOSPITAL OF SEIXAL HOSPITAL OF VILADECAMPS HOSPITAL OF SALAMANCA MARQUES DE VALDECILLA TEACHING HOSPITAL HOSPITAL OF HAERBIN NEW HOSPITAL OF BARCELOS MATERNITY AND CHILDREN'S HOSPITAL AND INSULAR HOSPITAL PROXIMITY HOSPITAL OF LAMEGO HOSPITALS IN THE PROVINCE OF MADRID ALL SAINTS HOSPITAL VILA FRANCA DO XIRA NEW CENTRAL HOSPITAL OF ALGARVE HIGH SPECIALIZATION REGIONAL HOSPITAL LA FLORIDA HOSPITAL HOSPITAL OF TICUL CATHOLIC UNIVERSITY CENTRE OF VALENCIA

COMPETITIONS

EMILE MARYSCH HOSPITAL CENTRE, LUXEMBOURG

The proposal offers a global answer to all the requisites and specifications specified in the Functional Programme. Starting with the 5 key aspects (functionality, innovation, location adaptation, environmental quality and energy efficiency), we also included others which we considered very carefully for the proposal. Amongst these: flexibility, growth capacity, the safety of users, clarity in internal flow paths, personnel privacy, natural light, the creation of different environments, accesses and routes exclusive to emergency vehicles, the entrance of goods and the exit of waste through an exclusive route, unique environmental atmosphere in hospitalization, entrance atrium as a reference for the entire hospital...

The proposed model is based on the design of a base or plinth ("technical block") which rises 4 storeys over a semibasement, its geometry being regular, flexible and efficient. It shelters all the outpatient's uses which are linked to the special examinations and treatments, diagnostic means and the logistic and administrative support. The organization of the ground floor is guided by the regular and sequential presence of garden patios, offering the user a clear and quick perception of the building's typological organization and its reference points, orientated towards the Green Park. This geometrical layout intends to optimize the orthogonal pieces model, perceived as functional, modular, flexible and efficient containers. Linked to this technological base, two hospitalization towers rise to house 600 beds distributed into individual rooms. These towers don't follow the

rigid functional base mesh in order to offer the patients the best treatment and with the best orientations. On the one side, each room faces south, thanks to the specific façade design, whilst the circulation areas on each floor are northwards looking. That is, towards the Green Park.

> CLIENT Emile Mayrisch Hospital Centre

AREA 56,000 m² carpet area

> COST 250 M€

LOCATION Esch/Alzette, Luxembourg

> YEAR 2015

FUNCTIONS

2-stage ideas competition with shortlisting. IDOM was finalist

No. BEDS 650

The proposal is a permeable and friendly building that offers great comfort to patients. Special importance is given to sunlight entering the building and not losing contact with the estuary (all rooms face outwards and have views). The ground floor rises above the current level, allowing for the building of a courtyard and a covered garden for the relief of visitors. The spacious foyer offers access to each one of the service area: hospitalization, day hospital, medical offices, surgeries, etc. All waiting and circulation areas for the public are located on the Canal looking elevation. The surgeries are on the first floor.

> CLIENT Sociedad Imobiliaria do IMQ, S.A.

> > **AREA** 46,000 m²

> > > COST 50 M€

> > > > YEAR 2009

FUNCTIONS Ideas competition

> LOCATION Bilbao, Spain

No. BEDS 157

The new unit of the hospital of Seixal serves as a proximity hospital which offers support to the original Garcia de Orta Hospital in three ways: as a high resolution hospital, for basic A&E and in the cases of convalescent and palliative care.

From IDOM, we have tried to offer an innovative solution to the centre's needs, organizing the space by processes: consultation, examination, treatment and final consultation, and trying to make the patient's stay as pleasant as possible. With this idea in mind, areas are created where the user can rest, read or work (Wi-Fi zones) while they wait.

The entire building revolves around a great central access square, illuminated by sunlight, which organizes and eases routes.

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CLIENT Garcia de Orta Hospital

> **AREA** 31,000 m²

COST 34.2 M€

> **YEAR** 2010

FUNCTIONS Ideas competition

LOCATION Seixal, Portugal

No. BEDS 820

IDOM's proposal was shortlisted as one of the 5 finalists for the Renovation and Extension Project of the Hospital of Viladecans, a town near Barcelona, whose hospital has been rendered insufficient and obsolete by the demographic growth.

The idea is to refurbish the historical building of the current hospital, classified as municipal heritage, and surround it with the new buildings while at the same time generating a great central garden around which all the circulation and entrances to the different services (outpatient's clinic, day hospital, cafeteria, etc.) will be.

Behind the historical building stands the main one, destined for hospitalization and A&E, which acts as a backdrop for the patrimonial building while at the same time serves as the new facade and image of the hospital extension

The project intends for the new hospital to be a Near Zero Energy Building (NZEB). Its architectural and building services proposal is accordingly focused. To this purpose, the reduction of energy demand and the use of renewable energies has been boosted. Amongst the measures taken there is, for example, the use of the central garden for ventilation and sun benefits; the use of active floor-slabs for the HVAC; the installation of geothermal services or the fitting of photovoltaic roofs on each of the new buildings.

COST 44.5 M€

INFRAESTRUCTURES

YEAR 2016

CLIENT

AREA 327,500 m²

- CATSALUT

FUNCTIONS Final stage in ideas competition

LOCATION Viladecans (Barcelona)

No. BEDS 152

A series of characteristics make the place where it rests very adequate for its purpose: on the city fringe, very near the river Tormes, with excellent views over the latter and a good South orientation; the mild slope on this part of the city gives the built bodies a privileged position and is capable of starting an interesting dialogue between these and their surroundings. The project bears in mind the coexistence of the buildings already there and the ones to be built and the objective of offering an image which is coherent with the city fringe where it belongs.

CLIENT SACYL

AREA 220,200 m²

COST 172 M€

> YEAR 2005

FUNCTIONS Ideas competition

No. BEDS 912

LOCATION Salamanca, Spain

MARQUES DE VALDECILLA TEACHING HOSPITAL

The project consists in an important extension of the existing university hospital in the city of Santander. The new buildings are 5 storeys high. Given the level difference between this building and the existing ones with which it is functionally connected to, all the façades of the floors below ground level are also outward-facing.

Access to the extension is planned to take place through the same existing general entrance, though reinforced and widened, giving the hospital a single representative entrance. A general connecting gallery has also been planned. Oriented towards the North views, it is the component that functionally links all the hospitalization units, including the pre-existing ones. This element is conceived from an architectonic point of view, fully glazed on its northern side to allow people to have an open and bright contact with the city.

Unique elements that give character and singularity to this main façade are the waiting rooms for visitors, which overlook the plaza over the parking lot thanks to some "projecting boxes". The composition seems to be random, as it will constitute the architectonic image, with great plasticity and singularity.

CLIENT Regional Government of Cantabria

> **AREA** 44,400 m²

139

COST 68.5 M€

> YEAR 2005

FUNCTIONS Ideas competition

LOCATION Santander, Spain

> No. BEDS 51







THE MAXIMUM ENVIRONMENTAL QUALITY AS A WAY TO OBTAIN THE **BEST HEALTHCARE EFFICIENCY**

new planned set of buildings has an area of 200,000 m2. The new complex intends to offer the maximum environmental quality as a means to achieve the maximum healthcare efficiency. professional activity.

Idom was invited by the Shanghai Institute of The intention of creating a more humane hospi-Architecture and Design to take part as a concept tal is a constant, with the existence of pleasant designer in the competition for the reconstruc- views from the waiting areas, rooms, public tion and extension of the Haerbin Hospital in and working areas; works of art in the foyers China. Within the hospital area of Haerbin, one and impeccable gardens inside and out. The of the highest quality hospitals in China, the idea is to create an optimum place for patients with long stays or consultations, visitors and employees. In essence, an optimum place to heal the body and the mind and to carry out the

CLIENT Hospital of Haerbin

> AREA 200,000 m²

> > COST 200 M€

> > > YEAR 2002

FUNCTIONS Ideas competition

> LOCATION Haerbin, China

NEW HOSPITAL OF BARCELOS, PORTUGAL







The building is formed by several bodies amongst which the functional programme is distributed. The design of the set was based on a certain rationale: it had to fit in with the local context, taking into account the traditions of the location; it had to adapt to the functional, technical and safety requirements and, obviously, to the requirements set by the competition (an example of which was the need to orient the building towards the North). The size of the project was adapted to its typology and needs, whilst the design of the hospital was inspired by monastery sobriety (the Monastery of Tibaes being a reference), resulting in a simple proposal, with simplicity in its lines. The building rises a maximum of two floors from its entrance, the largest element destined for the inpatients. The project gives special

importance to the views (of the natural surroundings) and the access of sun light to this area, and particularly to the patient's rooms.

CLIENT ARS Norte

AREA 44,600 m²

> COST 43 M€

> > YEAR 2006

FUNCTIONS Ideas competition

LOCATION Barcelos, Portugal

No. BEDS 136

MATERNITY AND CHILDREN'S HOSPITAL AND INSULAR HOSPITAL





The Maternity Hospital and the Insular Hospital were two competitions organized on the same plot. In both cases, the renovation and extension of the existing building was included, but in the Maternity Hospital, a new-build project had to be presented. Idom's proposal in this case, took on the challenge of offering the best possible functionality, while keeping the human scale at all times and paying special attention to its maternity-focused care character. The patient constitutes the reference for the design of spaces, routes and the healthcare systems itself.

In the insular hospital, along with a correct functional understanding, our proposal was based on the analysis of the possible construction work stages that would allow for the optimization of the time frame and the minimization of the impact the work would have on the hospital. The proposal considered keeping the hospital operative during phase III, and for that purpose, suggested a strategy of adequate renovation and new-build work. Another basic premise was to take advantage of the physical structures in place, with the idea of reducing costs and the needs for new construction. CLIENT Healthcare Department Government of Canary Islands

AREA 53,793 m² (35,858 m² + 17,935 m²)

> COST 55.5 M€ (37 M€ + 18.5 M€)

> > YEAR 2010

FUNCTIONS Competition for the renovation and extension. Final stage

LOCATION Las Palmas de Gran Canaria, Spain

PROXIMITY HOSPITAL OF LAMEGO, PORTUGAL







The Lamego hospital is the beginning of a new healthcare model in Portugal. The hospital serves mainly as an outpatient clinic and it offers support to the traditional general hospitals. It works as a day hospital; it has an accidents and emergencies department, an outpatient surgeries wing and has an excellent technological platform (outpatient surgery unit, laboratory, diagnostic imaging).

It also has a good enough number of convalescence beds so it takes plenty of this type of patients before sending them to central hospitals.

As to its design, functionality and sustainability play a very important role in the building. We are dealing with a unique piece of architecture, tailor-made for the landscape of Lamego.

CLIENT ARS Norte

AREA 17,964 m²

> COST 20 M€

> > YEAR 2006

FUNCTIONS Ideas competition

No. BEDS 30

LOCATION Lamego, Portugal

HOSPITALS IN THE PROVINCE OF MADRID



ARANJUEZ HOSPITAL

CLIENT PLODER CONSTRUCCIONES S.A., BEGAR & Others

AREA 400.000 m²

LOCATION Madrid, Spain

> COST 491 M€

> > **YEAR** 2005

No. BEDS Over 1,400

FUNCTIONS Scheme design for concession competition



Tender stage for the concession competitions of 6 new hospitals in the province of Madrid (Parla, San Sebastian de los Reyes, Coslada, Aranjuez, Arganda del Rey, Vallecas-Madrid)

HOSPITAL OF PARLA

AREA 57,731 m²

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COST 94 M€

FUNCTIONAL PROGRAMME

246 hospitalization beds, 22 ICU beds, 9 operating theatres, 8 delivery rooms, 52 A&E attention posts, 125 surgeries, 18 diagnostic imaging rooms.

FUNCTIONS

Scheme design for concession competition







HOSPITAL OF ARGANDA DEL REY

AREA

40,706 m², plus 20,980 m² for parking

COST 56 M€

FUNCTIONAL PROGRAMME 148 hospitalization beds, 6 ICU beds, 7 operating theatres, 4 delivery rooms, 38 A&E attention posts, 75 surgeries, 11 diagnostic imaging rooms.

FUNCTIONS Scheme design for concession competition







HOSPITAL OF COSLADA

AREA 51,041 m²

COST 97.5M€

FUNCTIONAL PROGRAMME

239 hospitalization beds, 16 ICU beds, 8 operating theatres, 6 delivery rooms, 48 A&E attention posts, 139 surgeries, 18 diagnostic imaging rooms.

ARCHITECT

FUNCTIONS Scheme design for concession competition

HOSPITAL OF S.S. DE LOS REYES

AREA

76,498 m², plus 20,796 m² for parking

COST 113 M€

FUNCTIONAL PROGRAMME

349 hospitalization beds, 30 ICU beds, 13 operating theatres, 8 delivery rooms, 92 A&E attention posts, 218 surgeries, 31 diagnostic imaging rooms.

FUNCTIONS

Scheme design for concession competition













HOSPITAL OF VALLECAS

AREA

71,624 m² (hospital) 23,641 m² (car park).

> COST 85M€

FUNCTIONAL PROGRAMME

324 hospitalization beds, 30 ICU beds for adults, 16 ICU neonatal beds, 13 operating theatres, 9 delivery rooms, 101 A&E attention posts, 190 surgeries and offices, 30 day hospital places, 32 diagnostic imaging rooms.

ARCHITECT

In collaboration with VAB

FUNCTIONS

Scheme design for concession competition











Competition for the new All Saints Hospital. It is a public-private healthcare unit with a total of 789 beds, 22 surgical blocks, 168 surgeries and examination rooms. The hospital is made up of different bodies, for different activities: paediatrics, mental health, oncology, teaching and research.

The idea was to design a technological reference that would improve the service in Lisbon, but that would also become a cultural landmark. For this reason, a connection between architecture and art is sought out through the use of composite fragments of Vieira da Silva's work (which allude to the city of Lisbon). This is achieved through the silkscreened glazed elements on the façade that are visually linked to the Chelas neighbourhood and the Tajo river.



CLIENT FERROVIAL AGROMAN

AREA 264,200 m²

COST 200 M€

> YEAR 2008

LOCATION Lisbon, Portugal

FUNCTIONS Scheme design for concession competition

> No. BEDS 789

SURGERIES 168

OPERATING THEATRES 22

In association with Argola







The hospital complex to be built has 280 beds. It was considered that the traditional hospital model - hospitalization monolith on a podium - would be the most adequate for this terrain because its impact would be reduced. The hospitalization block works like a cube framed by an impressive green setting. This is the area with the best views and the most natural light. CLIENT FERROVIAL AGROMAN

> AREA 65,951 m²

> > COST 71 M€

YEAR 2007

FUNCTIONS Scheme design for concession competition

> LOCATION Vila Franca do Xira, Portugal

> > No. BEDS 280

No. OPERATING THEATRES 9

No. SURGERIES AND PROCEDURE ROOMS 40



NEW CENTRAL HOSPITAL OF ALGARVE, PORTUGAL

URGENCIAS





The competition for the new Central Hospital of Faro, located near the Algarve Stadium, is a joint venture carried out in association with Argola. It is a publicprivate ownership (PPP) healthcare unit with a total of 498 beds, 10 surgical blocks, 90 surgeries and examination rooms, a day hospital and haemodialysis unit, oncology, radiotherapy and nuclear medicine departments, 60 A&E attention posts, paediatrics, obstetric and neonatal and mental health units as well as a strong teaching component.

The sober building, while humane at the same time, has a base which articulates the bodies that intend to establish an urban and architectonic dialogue with their surroundings.



CLIENT FERROVIAL AGROMAN

AREA 100,000 m²

COST 200 M€

> YEAR 2010

LOCATION Faro, Portugal

FUNCTIONS Scheme design for concession competition In collaboration with Argola

No. BEDS 489

No. OPERATING THEATRES 10

No. SURGERIES 90



HIGH SPECIALIZATION REGIONAL HOSPITAL, MEXICO







The High Specialization Regional Hospital of Ixtapaluca is the reference hospital for a population of 11.5 million people and is located around mile marker 34.5 of the Mexico-Puebla motorway in the colony of Zoquiapan. The plot, in its rural setting, has an area of approximately 100,267.13 m².

Due to planning requirements, a solution has been proposed based on three storeys, perforated as it were by large courtyards which give the proposal the aspect of independent pavilions, very typical of the area and how hospital healthcare is understood in Mexico. The hospital has 246 beds, 12 adult ICU beds, 7 neonatal ICU beds, 4 paediatric ICU beds, 9 operating theatres, 7 A&E attention posts, and 2 burns units, 42 consultation and examination rooms, 18 day hospital stations, 12 diagnostic imaging rooms and 736 outdoor parking spaces.

The built area reaches 38,732 m².

CLIENT ACCIONA

AREA 38,732 m²

> COST 35 M€

> > YEAR 2010

FUNCTIONS Scheme design for concession competition

> LOCATION Zoquiapan, Mexico

> > No. BEDS 246

No. OPERATING THEATRES 9

No. SURGERIES 42











LOCATION Santiago de Chile, Chile

No. SURGERIES 121

165

No. OPERATING THEA-

No. OPERATING THEA-TRES 11

No. BEDS 306



CLIENT BEGAR, ABENGOA Chile, INABENSA

> **AREA** 45,120 m²

> > COST 66 M€

> > > YEAR 2009

FUNCTIONS Scheme design for concession competition. IDOM won first prize.

HOSPITAL OF MAIPU, CHILE



166

First prize in the technical category, the Maipu hospital is located on an approximately 50,619 m² plot (43,351 m² of which are for the hospital). It is next to Camino a Rinconada, one of the main roads in the borough of Maipu and has 266 hospitalization beds, 36 ICU beds and 24 neonatology incubators, 17 operating theatres, 4 complete delivery rooms, 31 A&E attention posts, 87 consultation and examinations rooms, 20 stations in the day hospital, 10 technical rooms for diagnostic imaging, a mental health unit, the rest of usual clinical and medical backup, patient and user management, training and teaching, research, administration and management, logistics and general services.

PPPC

CLIENT BEGAR, ABENGOA Chile, INABENSA

> AREA 43,351 m²

> > COST 60 M€

YEAR 2009

FUNCTIONS Scheme design for concession competition

> LOCATION Maipu, Chile

No. SURGERIES 87

No. OPERATING THEATRES 17

No. BEDS 266

HOSPITAL OF BRAGA, PORTUGAL



The new Hospital of Braga, with 704 beds, is the third hospital complex which has been the object of a competition under the PPP system.

The university hospital has all the medical advances, including a radiotherapy department equipped with two linear accelerators. The building's architectonic and functional design intends to respond in an optimized way to the distribution of several types of circuits, zoning the different medical services. Special attention has been paid to possible functional changes that a building like this can have during its lifespan. So, the entire building has been structurally modulated so that it guarantees maximum versatility and flexibility in the event of a potential future extension. In the compact building, environmental and humanizing aspects have been carefully considered in areas where patients might remain for some time.

CLIENT FERROVIAL, AGROMAN

> AREA 119,707 m²

> > COST 124 M€

> > > YEAR 2005

FUNCTIONS Scheme design for concession competition

> LOCATION Braga, Portugal

No. OPERATING THEATRES 12

No. BEDS 704

No. SURGERIES AND PROCEDURE ROOMS 49





170

Financial group Banorte commissioned Idom to manage the tendering for the construction of a hospital for the healthcare department of the state of Yucatan, in Mexico. The project includes 90 beds, basic specialities and outpatients' service.

The scope of the tender involves the required public works, building services, hospital equipment, exterior works and connection to the service infrastructure. The project is required to obtain LEED certification. CLIENT Grupo Financiero Banorte, S.A.B. de C.V.

> AREA 25,833 m² COST 465 M\$

> > **YEAR** 2012

FUNCTIONS Purchases management

> LOCATION Merida, Mexico

> > No. BEDS 90







Teaching hospital with 150 beds, distributed into three multipurpose hospitalization units: a sleep unit, a maternity and children's one and the ICU and neonatal ICU. The outpatient's services include a day hospital, an ER and surgeries. The diagnosis and treatment services also include areas for surgery, obstetrics, diagnostic imaging, extractions and laboratories, anatomical pathology and rehabilitation. The building has two basements, the ground floor and five more storeys, two of which are technical floors.

The university and healthcare centre is focused on specialized medical treatment, ensuring its care is of the upmost quality, and on the teaching of medicine. The building had to clearly express the centre's model, which has a functional organization that prioritizes the links between the parts of the programme. It also has a zoned structure in which each volume represent a different caring area, with differentiated accesses and paths for each user and a modular structure that allows for flexibility and adaptation. The planned building is sustainable and technologically advanced.





LOCATION Valencia, Spain

No. BEDS 137 beds 26 icu beds for adults and children

No. EXAMINATION ROOMS 32

No. OPERATING THEATRES 16

No. SURGERIES 65

CLIENT Catholic University of Valencia

AREA 50,000 m²

COST 52.6 M€

> **YEAR** 2012

TEACHING BLOCK

with an assembly hall. a library. study rooms. classrooms for 60 students and for groups of 20 pupils, sessions rooms

FUNCTIONS

Detailed design for competition for the concession of plot for educational and healthcare purposes

PORTUGAL

S.FRANCISCO-UD.LEIRA HOSPITAL CENTRE SÂO FRANCISCO XAVIER HOSPITAL CUF DESCOBERTAS HOSPITAL MICROCULAR CLINIC JULIO DE MATOS HOSPITAL

SPAIN

OUR LADY OF SONSOLES ASPE INTEGRATED MEDICAL CENTRE HEALTH HOME HOSPITAL OF VALENCIA HEALTH CENTRE OF CALATAYUD FELANITX HEALTH CENTRE RENOVATIONS

RENOVATIONS PORTUGAL

S.FRANCISCO-UD.LEIRA

The San Francisco Hospital Centre con-

stitutes a private healthcare reference in

its region, in the centre of Portugal. Upon

its inclusion in the Portuguese Health-

care Group's network, it was decided that

its facilities had to be modernized, so as

to improve and increase the capacity of

IDOM was hired to collaborate in the

definition of the Master Plan, material-

ized over the architectonic layout..

HOSPITAL CENTRE

the medical care.

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SÂO FRANCISCO XAVIER HOSPITAL

Two basic factors determined the necessity to refurbish the old Sao Francisco Xavier Hospital facilities. On the one hand, the construction, on the same plot, of a new extension block, liberated the old building from several departments which were transferred to the new construction such as paediatrics, gynaecology and obstetrics and Physiotherapy. On the other hand, the inclusion of the hospital in the hospital centre, where the Santa Cruz Clinic and the Egas Moniz Hospital also come together. This made the hospital managers relocate the departments according to the specialities of the other buildings, making the most of the synergies of the complex.

Amid this intervention, IDOM has shaped the hospital's new functional design. extending, redesigning and many times relocating nearly all medical units, such as the surgical block, the intensive care units, the diagnostic imaging department, the laboratories, A&E and hospitalization.

CUF DESCOBERTAS HOSPITAL

Due to the congestion of its A&E service. the CUF Descobertas Hospital, located in the Expo'98 area, in Lisbon, intends to extend and renovate this department. The proposed solution simplifies and differentiates the adult's area from the paediatrics one, increasing and improving the capacity of patients being admitted.

CLIENT	CLIENT	CLIENT
Jose de	S. Francisco Xavier	Centro hospitalario
Mello Saude	Hospital	de San Francisco, S.A
AREA	AREA	AREA
672 m ²	16,973 m ²	9,950 m ²
COST	COST	COST
550,000 €	6,400,000 €	7,465,000 €
YEAR 2002	YEAR 2011	YEAR 2009
FUNCTIONS	No. BEDS 200	FUNCTIONS
Architectural, structural	FUNCTIONS	Architectural, structural and
and building services	Architectural, structural	building services projects,
projects.	and building services	Construction stage technical
LOCATION	projects.	coordination.
Lisbon	LOCATION	LOCATION Leiria

Lisbon



IULIO DE MATOS HOSPITAL

MICROCULAR CLINIC

Refurbishment and extension of the eye hospital located in the Monumental building. The structure of the intervention is based on a new search for space distribution, opening up to the possibility of improving the layout of activities. In order to ensure the required darkness, a building was put in place where the check-up rooms and the consultation and examination rooms were enclosed. Due to space restrictions, two of the three rooms occupy a new building with the same characteristics. That element has an area for the public and a technical corridor for doctors. It was therefore possible to differentiate a perfectly defined management and work area.

The Julio de Matos Hospital, or Mental Hospital of Lisbon (CHPL), is a reference psychiatric hospital for the whole of Europe. Inaugurated in 1942, it was the first in Portugal to have a psychosurgery unit. In its first years, it also held several important international events. like the First European Conference on Neurosurgery (1947).

After functioning for nearly 70 years. the hospital decided to carry out some remodelling work. In 2010, Idom was commissioned to remodel pavilion 28, destined for forensic psychiatry, with a total of 32 beds. The purpose of this unit, innovative on a national level, is to treat patients who are serving a sentence in jail. The building combines long-term admission functions with day hospital areas. The remodelling is focused not only on the building, but also on its surroundings (sports and open air leisure premises).

CLIENT MICROCULAR S.A. AREA 600 m² COST

> YEAR 2008

178,000 €

FUNCTIONS Architectural, structural and building services projects.

> LOCATION Lisbon

FUNCTIONS Architectural, structural and building services projects.

CLIENT Psychiatric hospital centre of Lisbon

> AREA 2,800 m²

COST 871.276 €

YEAR 2013

LOCATION Lisbon







RENOVATIONS SPAIN

OUR LADY **OF SONSOLES**

IDOM renovated all the hospitalization floors and adapted the building to fire safety regulations. Also, the entire building services were replaced (heating and cooling plant, HVAC systems, water and drainage pipes, transformation centre, building services control system, communications, transport, medicinal gases, sterilization and kitchen).

IDOM's responsibilities and functions included: Project Management and technical input, contributing to preliminary studies, the scheme design, production information for architecture, structure and building services, site supervision and the management of the project as a whole, costs, timeframe, purchases and permits.

ASPE INTEGRATED MEDICAL CENTRE

The building is composed of four comb-shaped bodies that adopt different widths and lengths according to the functional area they house. All the blocks are connected by a hallway and separated to allow for illumination patios and entrances. These elements are arranged perpendicularly to another volume that has a more transversal image than the others.

hospital. Later on, this building is audited and a comprehensive renovation of the refurbishments of floors six and three taken care of. Afterwards, the rest of

CLIENT Elche-Crevillente Salud S.A AREA 3,400 m² COST 3,500,000 € YEAR 2012 FUNCTIONS Architectural, structural and building services projects. LOCATION

Aspe

CLIENT INSALUD AREA 23,000 m² COST 9,015,182 € YEAR

No. BEDS 717

2001

FUNCTIONS Integrated project and construction management, Site supervision.

> I OCATION Avila

HEALTH HOME HOSPITAL OF VALENCIA

IDOM started off its duties by designing a three-storey underground car park, a semi-underground area where the new maternity and children's institute is located and a new access plaza for this and a Master Plan for the Renovation is prepared in which the functional areas and the building services are analysed centre is planned in stages. Firstly, the are prepared, the space is reorganised and the vertical and versatile design is floors will be renovated.



CALATAYUD HEALTH CENTRE

Refurbishment of a building to house the new Calatayud Health Centre, with a built area of 3,710 m². Building works have done away with two storeys from the old hospital as well as all partition walls, and have reinforced the structure. built new floor slabs and lintels, etc. It has high and low voltage electrics, fancoil HVAC and a four tube air treatment unit, fire detection and extinguishing systems, lifts, a PA system, structured cabling and intruder detection systems.

Sisters of Charity of Saint Anne - Health Home Hospital AREA 1,581 m² COST 2.5 M € YEAR 2015 FUNCTIONS Preparation of the Master

CLIENT

Plan, Architectural, structural and building services projects, Site supervision, Tendering.

> LOCATION Valencia

Integrated project and construction management, Architectural, structural and building services projects, Site supervision.

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FELANITX HEALTH CENTRE

The plot is located on one of the access roads from Manacor, which improves accessibility to the public amenity but generates an environment characterized by passing traffic. For this reason, a seriously introspective building is considered, which has in the inner garden its relief point and the soothing views.

Seeking construction logic in keeping with the location and the budget, the building uses affordable construction methods: cast-in-place concrete structure with rational spans, exterior facades that combines concrete and monocouche renders and simple door and window frames for the courtyard.

CLIENT CAIB (Government of the Balearic Islands)

> AREA 2,395 m²

COST 2,557,900 €

> YEAR 2002

No. BEDS 200

FUNTIONS Architectural, structural and building services projects, Site supervision.

LOCATION Felanitx

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CLIENT INSALUD

> AREA 4,000 m²

COST 2,993,040 €

> YFAR 2000

FUNCTIONS

LOCATION Catalayud

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