In recent years, the organisational transformation and geographical expansion of IDOM has been of such magnitude that today we can say that we are truly a global firm.

44
Offices

Projects in
123
Countries

3,000
People

over

500
Partners
ARCHITECTURE & BUILDING SERVICES

In-house technical specialists, nationally and internationally recognised in competitions and completed construction works.

ARCHITECTURE TYPOLOGIES

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

SPECIALIZED TEAM

Architecture
Interior Design
Mechanical Engineering
Electrical Engineering
Structural & Civil Engineering
Environmental Engineering
Geotechnical Engineering
Cost Engineering
H&S and CDM Coordination
Fire Engineering
Traffic Engineering
Acoustic engineering
Telecommunications & Audiovisuals
Graphic Design
Wayfinding Design
Special Equipment (scoreboards, screens etc.)
Construction and Logistic Advisor
Legal Advisor
Project Management
Construction Management
Site Supervision
San Mamés Stadium

Salburúa
Civic Center
Idom’s expertise and capacity provide the right professional services to cater to our clients’ every need in the field of Sport, whether it be dealing with the challenges of large stadia and arenas or creating spaces for the everyday practice of sports. Thus far, we are proud of having achieved the highest standards in quality, functionality and ergonomics through the use of architectural principles and the available technology.

Providing modern designs to encourage a healthier lifestyle, promoting a team spirit environment, display the energy of a sport-loving society and delivering the highest image in architectural quality for all visitors.

A multidisciplinary approach in design that lies at the heart of our day-to-day activities. We put together teams that combine professionals with the key skills required to provide an integrated design service. We find that this results in a better end product; delivered in an efficient manner. In order to ensure that our client receives a design of the highest quality, consideration must be given to the comprehensive coordination between architecture, engineering and the environment.

Idom’s background is founded on strong engineering values, that are integrated into our architectural design philosophy. Our team members are particularly sensitive to have every project achieve a comprehensive coordination by implementing our international experience and working procedures.
SPORTS ARCHITECTURE

Sport has become a driving force in our modern society. Today, the passion for one’s team and the inspiring human achievements in sports can be seen through a powerful global media coverage. Values such as mutual understanding and a spirit of friendship, solidarity and fair play have been spread worldwide. These ingredients are reflected in society by an increasing demand for a healthier lifestyle, encouraging team values and fair competition.

Idom’s strength lies in the holistic manner in which it understands any sports project, by using a methodology combining avant-garde design and technical development to ensure that economic goals are met and successfully fulfilling the necessary quality and time frames. Our teams’ have the ability to instill simple and effective architectural treatments to façades and interior spaces, even combining the use of prefabricated elements to provide stunning solutions to all our projects.

We meet the ever increasing demands of large stadium facilities as far as hospitality and global media interest goes, as well as the requirements in terms of accessibility, evacuation and access control. Careful consideration of a stadium’s acoustics ensures a unique intense atmosphere responding the vibrant events that take place in these facilities.

THE HUGE SUCCESS OF IDOM’S SPORTS PROJECTS IS THE RESULT OF OUR INTEGRATED APPROACH TO ARCHITECTURE, ENGINEERING AND CONSULTING
Idom has been involved in the construction of a number of sports buildings, ranging from stadiums and arenas, different urban scale and macro-social impact spaces, to several public sports leisure and swimming pool facilities, to harness the talent of the upcoming sporting generation. Every project is tailored to our client’s requirements, without resorting to the architectural clichés used in the design of this type of buildings.

This is achieved with Idom’s personal involvement in getting to know our client first-hand, in order to adapt each and every space to the desired style and real needs of the facility users. There are countless examples and publications in the world of Sports architecture, however Idom’s added value consists in not just being aware of the current mainstream theories that exist, but in implementing them whilst grasping the real conditions of each specific client and use its extensive expertise, technical knowhow and modern architectural vision to benefit the end users.
PROFESSIONAL SERVICES

Feasibility & Briefing Stage
- Strategic Brief Development
- Licensing & Permission Assessment
- Facility Outline Design
- Outline Cost Assessment

Design Stages
- Architecture & Building
- Interior Design
- Graphic Design
- Wayfinding Design
- Urban Design and Masterplanning
- Pedestrian Traffic Analysis
- Environmental Studies
- Facility Concept Design
- Facility Detailed Design
- Construction Phasing & Delivery
- Cost Estimate

Procurement Stage
- Procurement & Contract Advice
- Preparation of Tender Documents
- Tender Evaluation

Demolition & Construction Stages
- Technical Design Support
- Site Supervision
- Cost Control
- Testing & Commissioning

IDOM HAS A SPORTS STRATEGIC BUSINESS UNIT, WHICH OFFERS PROFESSIONAL SERVICES IN THE FIELDS OF ARCHITECTURE, ENGINEERING AND CONSULTANCY SERVICES
SAN MAMÉS STADIUM
BILBAO ARENA
SPORTS & LEISURE CENTER
SALBURUA CIVIC CENTER
NEW CAMP NOU
BIZKAIA ARENA
XÀTIVA SPORTS CITY
IBAIONDO CIVIC CENTER
EVERTON WALTON HALL PARK STADIUM
BRISTOL ARENA
VIZCAYA SCHOOL SWIMMING POOL
BAKIO SPORTS CENTER
NEW MESTALLA
PALAIS DES SPORT ALGER
HELIOS SWIMMING CENTER
NEW WATER & LEISURE FACILITY
PASARÓN STADIUM
ZORROZA SPORTS CENTER
DFB-AKADEMIE
SÁNCHEZ-PIZJUÁN STADIUM
FC BARCELONA MINI ESTADI
PAU GASOL SPORTS CENTER
FOOTBALL STADIUM ALCALÁ DE GUADAIRA
ROWING CANAL FOR MADRID 2016
GOBELA SPORTS CENTER
PINOSOLO SPORTS CENTER
IURRETA SPORTS CENTER
MEDELLIN VELODROME
NOU MOLES SPORTS CENTER
NAVARRA ARENA
DERBY ARENA
SAN MAMÉS STADIUM
Poner foto accesos exteriores y añadir las fases iluminación en la siguiente página.
PHASES

The project was affected by two complex urban constraints:

1. The available land next to the old stadium was not large enough for a new development.

2. Athletic Club’s specific requirement was to remain in its historical central location. The design solution solved both issues, using the available adjacent land and the site occupied by the old stadium, with a phased demolition and construction programme, making it unnecessary for the club to relocate for any of its home matches.

DESIGN

The new stadium completes part of the city’s urban fabric, giving it an imposing presence overlooking the river, one of the pillars of Bilbao’s urban development. The innovative design of the New San Mamés focuses on creating a unique intense atmosphere, shortening the distance between the fans and the pitch and the careful consideration given to the stadium’s interior acoustics. The dynamic LED lighting system provides an enormous range of possibilities to illuminate the stadium depending on the event being held. The system can switch the colour of the white ETFE panels on the façade to exciting combinations of colours and shapes.
RECOGNITIONS

Awarded as Completed Sport Building of the Year at the World Architecture Festival 2015, Singapore
Second Place by public vote for Stadium of the Year Awards 2015 by stadia website Stadium DB
Stadium of the Year 2015 at the World Stadium Congress Awards, Qatar
Finalist at the VI edition of The Stadium Business Awards, New Venue Award category.

SCOPE

- Architecture, Structure and MEP engineering projects.
- Integrated Project & Construction Management.
- Interior design, Graphic design and Wayfinding design.
- Only LEED Certified stadium outside the United States.
THE STADIUM HAS BEEN CLASSIFIED AS "ELITE", THE HIGHEST UEFA RATING, AND WILL BE ONE OF THE EURO 2020 VENUES.
GLOBAL REFERENCE

The design in terms of comfort, security, and accessibility has resulted in the UEFA classifying the stadium as ELITE, the maximum rating and a requirement for hosting major football events, such as the finals of national and international competitions.

The careful attention given to access and circulation, the safety and comfort features, and fitting the stadium into Bilbao’s urban fabric, are just some of the reasons behind UEFA considering San Mamés to be a reference stadium in Europe. San Mamés has been selected by UEFA to host several of the Euro 2020 matches.

As part of the new Athletic Club stadium’s commitment to society, public spaces have been designed under the East stand. These spaces can house sports amenities such as swimming pools, gyms and a speed track, thus contributing to regenerate this area of the city. The official Athletic Club store and planned Club Museum have been located in the square to the North of the stadium.
A GREAT STADIUM, FIT FOR A UNIQUE CLUB

CLIENT
San Mames Barria (PPP)

LOCATION
Bilbao, Spain

AREA
117,000 sqm

CAPACITY
53,229 seats
Up to 100 corporate boxes

CONSTRUCTION COST
120 M€

YEAR
2014

WEBSITE
www.bilbaostadium.com
DESIGN

The Bilbao Arena and Sports Complex located in the Miribilla neighbourhood, has been built in a park located above the old iron mines close to the city’s historical quarter. The plot of land for development is on a steep slope: 46 m from one corner to the other, over a distance of just 200 m.

The Bilbao Arena was designed as a tree, with tree-like pillars that brace the metal structure on its façade and coloured steel sheets making an air-permeable end that hides all the HVAC machinery from sight. This striking large section, includes a basketball court seating 8,500 spectators.

The sports centre’s smaller section is designed as a rock, with precast concrete slabs, textured and coloured similar to the area’s grey limestone. A hollow rock in which the sports complex’s communicate visually as a tiered cascade: providing access to a 240 vehicle car park, gymnasiums and a swimming pool. The building also includes administrative offices.
BILBAO’S NEW SPORTS HUB

The wide range of environmental measures implemented resulted in the building being 50% more energy efficient when compared to projects of a similar size and scope.

Key Features include:

- Natural ventilation
- A Combined Heat and Power Equipment (CHP) Cogeneration System for producing electricity from gas, and additionally providing heating for the Leisure Facility’s swimming pool cost free.
- The swimming pool water is stored and reused for street cleaning all around Bilbao.

SCOPE

- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design.
- Site Supervision.

RECOGNITIONS

- Sport Building of the Year ArchDaily 2012
- 2012 RIBA Award (EU Building category)

CLIENT
Bilbao Kirolak

LOCATION
Bilbao, Spain

AREA
30,800 sqm

CAPACITY
10,000 seats

CONSTRUCTION COST
39.8 M€

YEAR
2010
SPORTS & LEISURE CENTER
DESIGN

The project’s symbolic value reflects the changing times and marks a turning point in the life of the coalfields. It is designed more as a landscape than a building, making it friendly, organic, separate from the usual emphatic, parallelepiped shaped and categorical buildings of this kind.
WHERE SPORT MEETS NATURE

The project’s distinctive three hill-shaped roofs correspond to the three well-differentiated areas into which the programme is divided:

1. Multipurpose sports hall (sports & concerts)
2. Swimming pool area in which a small curved hill-shaped roof encloses the small swimming pool
3. Area for the remaining general services and multi-sports (offices, multipurpose rooms, sauna, etc.).

SCOPE

- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design.
- Site Technical Assistance.
- Gyms, Leisure swimming pool.
DESIGN

The Civic Centre combines sporting, cultural and administrative uses for the Salburua neighbourhood in Vitoria.

The project has been designed as a meeting place enabling residents to carry out different social, cultural, leisure or sports activities. The ground floor conveys the idea of permeability between the interior and exterior, thanks to the glass cladding favouring crossed lines-of-sight to such an extent in fact that the views can be seen through the entire building.

The first floor’s programme of a more private nature is configured as a less permeable and more abstract object, thus magnifying the contrast between both realities.

The project is divided into four levels. The basement containing the sports courts, gyms, fencing rooms, dance studio and climbing wall. The ground level that includes the citizen service areas, conference room, cafeteria, assembly hall, the fun-club and the multi-sports area stands. The library, the study room, workshops and the social service offices are located on the first floor. Finally, the swimming pools and changing rooms are on the second floor.

SCOPE

- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design.
- Site Supervision.
- Fencing, Rock climbing, Gyms, Library, workshops, Leisure swimming pool.
IDOM led the IDOM-BIG-BAAS three-firm proposal in the competition to remodel the Camp Nou organised by Barcelona FC, IDOM being the main core of the team. IDOM not only provided its ample expertise in Sports Architecture, but also its well-known and proven capacity to blend the highest architectural objectives with sustainable and reliable technical solutions.

BIG incorporated its unique approach to the team. Thanks to its participation in projects worldwide and exceptional analysis skills, BIG’s contribution provided a pragmatic and ideal vision of the look of the future FCB stadium.

BAAS was the Catalan partner of the Team. It brought its wealth of knowledge and information on the situation of FCB to the team and, above all, an architectural vision brought up and bred in Barcelona that is based mainly upon sophistication, tradition and authenticity.

First and foremost, the Camp Nou is a place where supporters and players come together to celebrate a sporting event. It is envisaged to honor the completion of Mitjans-Miró’s architecture, originally built in 1957. Instead of starting from scratch or covering the old surfaces of the historical stadium, our proposal’s aim was to
lay the inner structure of the heritage stadium bare and have it meet authentically with the new architecture - inside and out.

The New Camp Nou was to be a palace for its people, composed and selected from the palette of functional elements and everyday materials of traditional and contemporary Catalan architecture, uniting the Blaugrana identity with the skeleton of the building using intrinsic traits.

**SCOPE**

- Design proposal
SCOPE

- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design.
- Site Supervision.
- Seating 17,000 for sports.
- Total capacity of 22,000 for concerts.

RECOGNITIONS

Shortlisted at the 9th Exhibition of Young Spanish Architects.
Shortlisted at the FAD Awards 2005.
Shortlisted VII at the SAO PAOLO ARCHITECTURE BIENNAL Exhibition.
BILBAO EXHIBITION CENTER

The six pavilions are grouped along a naturally-lit central axis. Four have a surface area of 125 x 125 m and the other two 170 x 125 m. The six of them are completely column-free. This required using 8m deep box trusses that are used as service galleries.

One of the large pavilions has been specifically designed as a sports arena.
Conceived as a flexible space and adaptable to several sports: basketball, motocross, tennis, etc. and concerts as well. The pavilion seats up to 17,000 spectators and 22,000 standing. All of the pavilions, and especially the arena pavilion, change use regularly to accommodate a wide range of different trade fairs and sporting events.

DESIGN

Developed in collaboration with SENER, the BEC is a state-of-the-art facility and has placed Bilbao at the forefront of the highly competitive national and international trade fairs, exhibitions market and indoor sports events.
DESIGN

The Large Red Curved Roof unites and provides shelter for sports that require weather protection, acts as an inclusive element and integrates those people who are outdoors and is surrounded by recreational and leisure areas and attractive landscaped gardens.

MULTIPURPOSE

The project is located on the outskirts of Xàtiva with a surface area of over 13 hectares, it comprises two new football pitches for 11 and 7-a-side matches, two indoor football pitches, two multipurpose covered courts, tennis courts, beach volleyball, paddle tennis courts (indoor & outdoor), basketball and minibasketball courts, French boules, skating areas, pitch and putt, pools, Basque pelota (frontón), three playgrounds, an athletics track (eight lanes) and a two kilometer jogging path.
SCOPE

- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design.
- Site Supervision.
- Sports featured: Football, Tennis Beach Volleyball, Paddle Tennis, Basketball, French Boules, Skating, Golf (pitch and putt), Swimming, Basque Pelota (frontón) and Athletics.
DESIGN

It provides sports, cultural, leisure and administrative community services for the neighbourhood in a single building. The different sections of the building’s layout has been done according to its geometrical structure.

The triangular shaped sports center and swimming pool, are both located in the northern section. The remainder of its uses are located in the southern section which is identified by its irregular shaped morphology includes a Theatre, Library, Workshops and a Café. The building’s significant energy efficiency rate is due to its central heating and cooling system and solar panels, achieving 1,900 Tn annual savings of CO2 emissions.

SCOPE

- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design.
- Site Supervision.
CLIENT
Vitoria Gasteiz Council

LOCATION
Vitoria Gasteiz, Spain

AREA
2,500 sqm

CONSTRUCTION COST
13.4 M€

YEAR
2009
Aiming to evolve from the constraints of their home at Goodison Park, Everton FC invited selected architects to propose the most atmospheric stadium in world football; an inspirational, exciting and intimidating stadium at a new location in Walton Hall Park.

The defining points of this 50,000 seat scheme are, together with the unique approach to have a 17,000 seat Home End stand: the 4,000 premium seats, the Family enclosure with 4,000 seats for children and parents close to the pitch, a vibrating Fan Zone, and the Everton-In-The-Community facilities integrated with the Stadium’s cutting edge services.

Integrated into a park environment, with sustainability and landscape & urban integration as a driving idea, a large walkway brings fans through the park to their new home, a blue cauldron of energy.

SCOPE

- Invited competition proposal.
- Integrated Community facilities.
BRISTOL ARENA
DESIGN

The arena was designed to be an object not just a building. Its powerful visual identity serves as a distinctive icon for Bristol, a place where events come alive. Fusing art, architecture and entertainment to create a unique performance venue both inside and outside of the building where your experience starts at home and culminates in your visit.

THE WATERFALL

The design combines two references: water as a metaphor of Bristol’s relationship with nature and its role as European Green Capital 2015; and the theatre curtain as a result of envisioning the building as a stage itself.

THE ELEMENTS

The double façade waterfall effect (movement, reflection and sound) is achieved using vertical profiled aluminium columns that surround the building, creating a covered perimeter walkway around the main building. A second layer of reflective panels creates the façade of the Arena’s bowl. The interior of the Arena, the Cave can be found by crossing the Waterfall, this is the heart of the building, a vast, silent dark void highlighting movement and light.

The show is about to start...

SCOPE

- Shortlisted Competition Proposal.
CLIENT
Bristol City Council

LOCATION
Bristol, UK

AREA
20,500 sqm

CAPACITY
Seating 10,360 for Sports
Seating 12,000 for concerts
Both include 240 VIP box and 128 Club seating

YEAR
2015

COMPETITION PROPOSAL
Runner-up
DESIGN

The project stems from the school’s three basic needs: the design should have a short execution time, be economical and allow the construction of a roof garden.

The resulting dome-shape design adheres to this triple motive, plus a fourth more poetic reason: a cave as a secret place, a space that is present in so many stories of children’s imaginations.

The design proposal was to mainly use precast concrete, thus enabling the main structure to be built in two weeks.

RECOGNITIONS

- Finalist FAD Awards 2013

SCOPE

- Architecture, Structure and MEP engineering projects.
  Interior design, Graphic design and Wayfinding design.
- Site Supervision.
- Turnkey Project.

CLIENT
Colegio Vizcaya

LOCATION
Zamudio, Spain

AREA
1,170 sqm

CONSTRUCTION COST
0,81 M€

YEAR
2001
DESIGN

The building is situated in a small valley in the coastal town of Bakio. Taking up the Northwest section of the site, leaving two free areas, one for access on the West, and the other, a solarium for the swimming pools, on the South.

After the initial site analysis, the idea was to adapt a building scale approach to the new well-liked low density residential architecture in the surrounding area. Thus, the plan was a set of three elements playing with volumes and using the natural slope of the land.

The decision for the façade closures took into consideration the limited budget as well as their expressive power. The translucent cellular polycarbonate panels of the public spaces on the perimeter and the birch trees solve the thermal insulation issues and provide protection from the western sunlight. At night it becomes a beacon dominating the entire valley.

SCOPE

- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design
- Site Supervision.
- Turn key project.
LIFESTYLE & ARCHITECTURE

CLIENT
Bakio Council.

LOCATION
Bakio, Spain

AREA
5,200 sqm

CONSTRUCTION COST
3.9 M€

YEAR
2006
DESIGN

After undergoing a few years of economic constraints in their new home Nou Mestalla, Valencia FC invited selected architects to propose designs to complete its construction and recover the feeling of the Old Stadium with the supporters closer to the pitch providing an intimidating atmosphere. While, improving its all year round functionality at a lower completion cost in comparison to previous budgets.

The decisive issues behind this design are the 63,200 seats, including 5,000 premium and 800 VIP seats and simplifying access to all general seating; the new function of bringing the 1st and 2nd tiers closer to the pitch, and provide optimal independent lower construction cost solutions for the roof and façade.

SCOPE

- Concept Design

CLIENT

Valencia CF

LOCATION

Valencia, Spain

AREA

103,400 sqm

CAPACITY

63,200 seats, including 5,000 premium and 800 VIP seats

COST ESTIMATE

110 M€

YEAR

2015
DESIGN

From the inspiring idea of an oyster shell washing up onto the beach, the shells develop into the Sports Center’s two iconic buildings, housing the Arena and Swimming Pool and reveal themselves as Mediterranean pearls in the Bay of Algiers.

A large covered courtyard provides access to both buildings, allowing the 15,000 spectators to move easily in and out of the Arena, integrating with the urban landscape and access routes.

The Arena is designed as a large dome, providing sheltered spaces for people to move along the outside of the building and offering the opportunity for alternative uses, creating a unique sports hub. The other half of the shell forms a balanced suspended structure in which the stands on the side of the pool allow people to enjoy swimming, diving, waterpolo and synchronized swimming competitions, in a naturally lit building with optimized energy and CO2 emission efficiency.

SCOPE

- Shortlisted competition proposal.
- Multipurpose Arena.
- Olympic swimming pools, including diving and training pools.
- 50,000 sqm car parking facilities.

CLIENT
Ministry of Sports

LOCATION
Algiers, Algeria

AREA
159,000 sqm

COST ESTIMATE
123.1 M€

YEAR
2014

COMPETITION PROPOSAL

INNOVATIVE SOLUTIONS
HELIOS SWIMMING CENTER
DESIGN

The new building plays a key role within the Helios sports and leisure centre, working as an extension to the dressing rooms facilities and connecting an existing sports building.

Open and easy movement with a functional layout based on privacy: the more public areas are located on the ground floor (cafeteria, multipurpose space, reading room, social room), whereas the more private ones are on the upper floors: gym and spa and paddle tennis courts on the roof, thus restoring the open space occupied by the building.

The separation between the inner and outer spaces is attenuated using a curtain wall system, turning the lush vegetation into the real enclosure of the building. Two cantilevered concrete slabs and a movable shutter system provides protection from direct sunlight.

SCOPE

- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design.
- Site Supervision.
- Including Restaurant, Spa, Gyms and Paddle Tennis Courts.
NEW WATER & LEISURE FACILITY
DESIGN

Proposed adjacent to Christ Church Spire, the Water and Leisure Centre is the opportunity to create a new unique space, only this time, filled with water, a “Water” Cathedral.

The audacious geometry of the hexagon-shaped edifice is compatible with the Spire and makes very efficient use of the site. No sharp corners means it adapts easily to the boundary lines permitting different orientations. The result provides more space in the surrounding area, unobstructed views and an improved movement of pedestrians all around.

The materials and façade design seeks the bronze and stone finish to blend in completely. The louvers control the glare and sunlight, imitating the triangular silhouette of the spires and flowing water.

SCOPE

- Shortlisted competition proposal.
- Leisure Swimming Pool, Fitness Rooms, Rock Climbing.
- Integrated Community facilities.
WHERE WATER MERGES THE PAST AND THE PRESENT

CLIENT
Coventry City Council

LOCATION
Coventry, United Kingdom

AREA
6,785 sqm

YEAR
2015

COMPETITION PROPOSAL
PASARÓN STADIUM
DESIGN

In order for the Pasarón Football Stadium to continue being used, the complete remodeling was developed in phases. The demolition and rebuilding of grandstands, roofing and facilities was carried out in sequence. The Stadium’s two perimeter grandstands overlap. The lower stand turns into a building foundation opening itself out to the city, the top stand placed above it. The perimeter gallery centralizes all the facilities, open to the pitch and street, enabling a continuous use of the facility.

SCOPE

- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design.
- Site Supervision.
GIVING THE STADIUM BACK TO THE CITY

CLIENT
Xunta de Galicia

LOCATION
Pontevedra, Spain

AREA
19,975 sqm

CAPACITY
12,500 seats

CONSTRUCTION COST
11.20 M€

YEAR
2012
ZORROZA SPORTS CENTER
DESIGN

The project provides the Zorroza district of Bilbao a much needed cultural and sports facility. The building is divided into two well-defined sports and cultural areas, resembling two intersecting prisms both linked by an “inner street” with views to the different areas of the building.

SCOPE

- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design.
- Site Supervision.
- Multipurpose Sports Court.
This architectural and urbanistic proposal for the DFB Akademie aims to provide it with an optimum atmosphere and appropriate personality, not only as the headquarters and sports facility for the world’s biggest national team, but also as a home for the players. Designed and optimized to fit into its highly environmental, landscape, historical and urban surroundings, while ensuring its technical and economic feasibility.

The uses at the access level are focused on this interaction, it includes the main entrance hall and restaurant, a cafeteria and conference rooms on the intermediate level providing a magnificent view of the football pitches, courtyards and the Frankfurt skyline. A special visual and crystalline screen has been used to display DFB’s trophies.
Given its role as a teaching and research centre, the Akademie is a unique piece of the ensemble, thus it is located in the centre of the complex. The rooms, workshops, classrooms, library and other spaces open out to a void under the double-storey ceiling, receiving light from above through a linear atrium.

Finally, the athletes’ quarters linked to the Akademie are located in a three-storied building and provide excellent views over the playing fields the rooms on the east side and the entrances on the west.

SCOPE

- Shortlisted competition proposal.
- National Football Academy, Players Residence.
CONCEPT

Finalist in a restricted competition, the proposal represents an urban landmark within the Nervión neighbourhood and Seville.

A common element shared by both the façade and roof is adapted to the structure's proposed geometry: two different metal trusses that give shape to the roof and the exterior skin. The geometric joints of the trusses produce high fire resistance rated surfaces lined with a semi-transparent plastic fabric. The design toys with transparency and light.

The entire section is cross-ventilated aerating the skin and preventing the interior from overheating.

SCOPE

- Shortlisted Competition Proposal.
- Complete renovation of Roof & Façade and interior uses.
DESIGN
The project seeks to achieve the best football atmosphere and avant-garde and durable architectural design with low construction and maintenance costs.

The very steep stand design in the interior allows optimum visibility for all spectators intensifying the feeling of a compact stadium with a great football atmosphere.

SCOPE
- Shortlisted Competition Proposal
- Bioclimatic Roof & Façade membrane, LED floodlighting towers, sustainable design services with 10% energy saving and 50% water consumption reduction.
The design addresses the refurbishment and enlargement of the old Sant Boi de Llobregat Sports Centre. Commencing with the pre-existing football field and outdoor pools, the new brief includes pools and dressing rooms, a new sports centre and a football field. A single green roof solves the programme’s roofing issues. The solution for the different heights required is provided by excavating the sports centre in order to avoid fragmenting the buildings.

The circulation of users and spectators is solved using box trusses to support the green roofing system. These also contain the HVAC and electrical services as well as the solar evacuated tube collectors used to heat the swimming pool water.

SCOPE
- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design.
- Site Supervision.
The new stadium in Alcalá responds to a new integrated sports-business approach. The project undertakes the new programme by ensuring that both uses relate visually to each other while having a different physical make up. Using veils and textures, the sports facility appears inside the commercial area and is projected outward throughout the entire perimeter.

From a conceptual standpoint, the stadium is covered by a translucent layer, with an internal metallic structure for the roof and enclosure. The covered layer lights up at night, including the four towers, the true icons of this project. The towers, located on the four corners of the field, act as old farmhouse and estate counterweight towers, dominating the horizontal section and highlighting the site in the landscape. The stadium’s horizontal section and towers can be clearly distinguished from the motorway.

The stadium will be seen through the office building, covered by a drilled galvanized steel sheet enabling people to sense the interior.

SCOPE

- Ideas Competition
Several architectural competitions were awarded and subsequently not developed for Madrid’s 2016 bid to host the Olympic Games, given that the Olympics were finally awarded to Rio de Janeiro.

The awarded proposal for the Rowing Canal is located in Getafe, its permanent buildings designed as large stranded sloping planes placed within the ground. The temporary structures consist of canvas-roof slanting walls, designed to be reused after the Olympics.

The Rowing Canal is considered the best use for the plot of land’s natural slopes to increase spectator capacity, with seating stands on the opposite side. The solid stands and Judges’ Tower would conceal the mechanical rooms and access canals.

SCOPE

- Man-made Rowing Canal.
- Legacy Mode Reusable Temporary Structures.
The programme is organised in three sections: the sports centre, sports pavilion and football ground. 1,500 m² of shopping space and an underground car park for 350 vehicles were also envisaged. The three sections have independent access points, freedom of uses and operation preventing interference between the flow and circulation of people.

The different sections of the complex are not randomly placed, but are positioned to take into consideration their future roles. Therefore, to enable quick and easy evacuation the stands of the football pitch have been located along the main road. The swimming pool, one of the more crowded facilities, is close to a main entrance, and the sports pavilion adapts itself to the geometric shape formed by the two-road intersection.
DESIGN

The Project is part of an ambitious Plan by the Leioa Council to become a sports reference within the Greater Bilbao area. It seeks to improve the existing sports premises, be a reference for aquatic facilities and host sports competitions. Despite its large volume, the building integrates perfectly into its surroundings, minimizes its visual impact and links the town centre with Pinosolo Park.

The building hosts a multitude of sports activity areas, however, the aquatic area stands out from the rest with three swimming pools, including a 50 metre pool and a modern spa area.
IURRETA SPORTS CENTER

DESIGN

The new sporting facilities project included a swimming pool, athletics track and multipurpose sports court. Partially inserted into a slope, the volume above ground level is minimised to reduce its impact on the surrounding area. The roof structure is designed for walking on and acts as a window to the sports fields and landscape.

The building has no façades. The sole architectural argument used is that of constructing and controlling light. The landscape from water level is viewed through a single glazed front, acting as a backdrop for swimmers, producing an exceptionally unidirectional space. Furthermore, direct overhead light comes in through two panels of glazing.

The building’s main entrance is located on the roof deck. Access to the interior is gained from the square on the western side, down a spiral staircase connecting both levels. The idea is to create the characteristic atmosphere of Roman baths through the use of materials and light.

SCOPE

- Architecture, Structure and MEP engineering projects.
- Interior design, Graphic design and Wayfinding design.
- Site Supervision.
- Multipurpose Sports Court, Athletics Track, Indoor Swimming Pool.

CLIENT
Basque Government

LOCATION
Iurreta, Spain

AREA
7,280 sqm

CONSTRUCTION COST
2.5 M €

YEAR
1996
The architectural and urbanistic proposal seeks to create a new multifunctional venue in the city of Medellin. Inspired by the city’s Flower Festival, the building’s façade creates a whirlwind of flowers, giving it a powerful visual image while concealing facilities and auxiliary services.

The building on the inside contains a multifunctional space for official indoor cycling competitions, but is also appropriate as an arena for cultural and social events, thanks to the design’s functional flexibility.

**SCOPE**

- Shortlisted competition proposal.
- Multifunctional approach, UCI regulations compliant facility.

**CLIENT**
Medellin Council

**LOCATION**
Medellin, Colombia

**AREA**
15,750 sqm

**CAPACITY**
3,000 seats

**YEAR**
2013

**COMPETITION PROPOSAL**
The project is comprised of a 38x53 sqm multipurpose court with a seating capacity of 2,500, plus three modular training rooms and a weight training room.

This project is situated on a compact plot, consequently different levels are used to provide the solution:

- Access Level: the main entrance lobby, reception and access control, café, training and weight rooms and their corresponding changing rooms.
- Upper Level: the multipurpose sports court.
- Lower Level: the swimming pool, changing rooms and adjoining structures on the southern part of the site, and the car park (in basements 2 and 3) on the northern part.

**SCOPE**

- Architecture, Structure and MEP engineering projects.
- Multipurpose court with a seating capacity of 2,500, Gyms and Swimming Pool.
DESIGN

The Government of Navarre is the developer behind this project to host all kinds of sporting events (including Champions League Handball and Basque Pelota Finals), as well as cultural and professional events under a capacity size, versatile and equipped roofed pavilion. The building accommodates the following uses:

- A Multipurpose Centre Court accommodating up to 10,000 spectators in movable stands, enabling different configurations according to the event or show.
- A multifunctional auxiliary track, providing support for the Centre Court or for smaller events.
- A Frontón for professional Basque Pelota Finals, seating 2,500 spectators.

Various multipurpose and support rooms, sports museum, childcare, play center, press room, conference room and a range of services (administrative, medical, sports), cafeteria, etc.

- Underground parking capacity and unloading area, mobile radio units and TV area, concert stage, etc.

SCOPE

- Design: Tellechea y Militino Architects
- Project Management, including feasibility analysis.
- Construction Management with Site Supervision.
- Complete Tier Retractable system for concert configurations.
CLIENT
Sociedad de promoción de Inversiones e Infraestructuras de Navarra, S.A. (SPRIN)

LOCATION
Pamplona/Iruñea, Spain

AREA
45,630 sqm

CAPACITY
- Multipurpose court: 10,000 seats
- Basque pelota court: 2,500 seats

CONSTRUCTION COST
41.8 M€

YEAR
2012
**PROGRAMME**

The construction contract involved designing and building a Multi-Sports Arena and a surface level car park with 1150 car parking spaces.

IDOM’s role – working with the Main Contractor at the pretender stage, including assessment of ground contamination risks, greatly assisted in the preparing a successful bid.

Following award of contract, IDOM undertook the remedial and temporary works design, construction phase environmental plan and the validation of contamination mitigation measures.

**SCOPE**

- Design: FaulknerBrowns Architects
- Remedial design, Temporary works design.
- Construction phase environmental management.
- Indoor Sports and Events, featuring Badminton, Volleyball, Netball and Basketball configurations.

**CLIENT**

Derby City Council

**LOCATION**

Derby, United Kingdom

**AREA**

6,785 sqm

**CAPACITY**

1,500 seat capacity, with additional Hospitality seating

**CONSTRUCTION COST**

28.5 M£

**YEAR**

2014