

Sport

Olympic Venues, Stadiums,
Sport Facilities & Athletic Centers

LEEAD



Olympic Equestrian Center & Racecourse, Attica, Greece
Architectural Design & Landscaping

Sport

Olympic Venues, Stadiums, Sport Facilities & Athletic Centers

LEEAD Consulting is highly involved in the Sports Market, offering solutions for:
Olympic Venues, Stadiums, Sport Facilities & Athletic Centers

As leaders within our respective fields, we offer the following high quality services for your project:

Architectural Design and Planning

- Conceptual Designs
- Project Identification, Studies & Surveys
- Preliminary Study
- Design Development
- Tender Documentation
- Detail Design Elaboration
- Final Designs
- Elaboration of Tender Documents
- Interior Design
- Construction Drawings
- Construction Supervision
- Technical Assistance during Construction
- Environmental Assessments
- Staff Training Transfer of Know-how
- Commissioning and trial operation of works

Structural Engineering

- Feasibility Studies
- Procurement
- Commissioning
- Project Budgeting
- Operation & Maintenance Planning
- Auditing & Due Diligence
- Project Management

Mechanical and Electrical Engineering

- HVAC, Plumbing & Irrigation
- Fire Protection
- Electrical (Power, Lighting, Ultra low voltage)
- People Conveying Systems
- Lightning Protection (earthing)
- Security Systems
- Building Controls

Selected Projects

Olympic Equestrian Center & Racecourse

Athens 2004 Olympic Venue & Racecourse, Attica, Greece

Architectural Design & Landscaping

The installations of the Olympic Equestrian Center and of the New Racecourse of Athens in Marcopoulo were deployed in an area of 2,112,000m², with strong topographic fluctuations and with many archaeological findings. Particular emphasis has been given to the incorporation of the complex to the environment. The Olympic Equestrian Center is located to the north and the racecourse is located on the north-east side the Cross-Country space extends from the south-east to the south-west side. The main buildings of the Olympic Equestrian Center are the jumping arena with 6,000 permanent stands and the dressage arena with 2,000 permanent stands, the VIP building, a closed race-training arena, a vet clinic, high-specification stables, and a support building complex. The complex of the New Athens Racecourse has a double track, for racing and training, and an extensive traffic network for the exclusive use of horses, while all main roofed uses are concentrated in the Grandstand, located in front of the finish line of the track. The Grandstand has a minimalist style, with plain and simple lines adopting the same architectural design used in the buildings of the Equestrian Center. The planning of the surrounding space has been performed for the Olympic Center and the Racecourse as a whole. The total building area is 164,138m².



P.A.S. Giannina Football Club Complex

Stadium & Training Centre, Ioannina, Greece

Mechanical & Electrical Engineering & Environmental

The project concerns the design of the New Football Stadium Complex of P.A.S. Giannina in the city of Ioannina, northwestern Greece, located in a plot of 180,000m², which was previously used as a military airport. The structure of the stadium is designed to enable the use of photovoltaic panels, so as to make use of solar energy.

The complex will include sports facilities such as a football stadium roofed in four areas (with 20,000 seats capacity) and a training centre for hosting the team of P.A.S. Giannina, as well as a commercial centre (cafeterias, restaurants, sportswear boutiques, shops, convention center, entertainment and recreation areas etc), a sports park, a water park, a green park (ecological park) and parking areas (1,500 parking spots).



Athens 2004 Olympic Games

Transportation Planning, Traffic and Parking Management

Infrastructure

Consultancy services to the Athens 2004 Organization Committee and other agencies, focused on transportation planning and traffic management in relation to the 2004 Athens Olympic Games: Preparation and assistance of the chapter Transport for the Athens candidacy bid both for the 1996 and the 2004 Olympic Games. Consultancy services were provided to the transport Directorate General of 'Athens 2004' for the preparation of the Olympic Transportation Strategic Plan. Traffic / parking and demand management studies for various Olympic venues, were made. Calculation of Olympic Games related trips (Olympic family, spectators, etc.) at various Olympic venues, with the use of traffic models, was rendered. Traffic management studies and optimization of traffic conditions along the main Olympic use road arteries were developed, with the use of traffic simulation models, for both the Olympic Games period and the period after the Games. Special traffic and Games period and the period after the Games, were considered. Special traffic and parking studies for various Olympic venues were carried out for designers and contractors in various stages of implementation. Determination and design of special traffic lanes along major road arteries used exclusively for Olympic family vehicles. The firm participated in the preparation of the Information Campaign for the use of Public Transport during the games.



Selected Projects

Faliron Bay Development

Athens 2004 Olympic Games, Athens, Greece

Structural, Mechanical & Electrical Engineering, Infrastructure & Landscaping

In the context of the 2004 Olympic Games the Ministry of Public Works appointed the design along the coast of Faliron Bay of a comprehensive development with emphasis on leisure and sport activities. As part of the group, the Firm designed all Marine works including the Marina, the seawall and coastal protection and the waterfront promenade wall as well as providing structural design for numerous buildings and several bridges and traffic studies.

The main features of this project included the following: Extensive landfill with the creation of a new 1.5 km quay wall forming an arc to the southeastern end of the bay. Also utilized for the creation of a pedestrian promenade / Reconstruction of the mouth of the Ilissos river / Construction of a 50m wide pedestrian "Esplanade" / Construction of a 400 - berth nautical sports Marina / Two Olympic Stadiums, one for Beach-Volley and one for Tae-kwon-do with 7 training courts nearby and one new football stadium / A 1km long series of linear buildings joined with pedestrian bridges at their roof level / Extensive open spaces for recreation and leisure. The hydraulic component in short provided for : / Flood control / Water Supply networks / Sanitation networks / Irrigation system including the option of re-use of treated water from a WasteWater Treatment Plant.



7 Olympic Stadium Complexes

Coordination and Administration Advisor

Technical Consultant - Project Management

Consortium comprising four Greek companies, rendered Technical Consultant Services (Project Management) for the Coordination and Administration of Olympic Projects and specifically for the 7 following stadiums: - Galatsi Olympic Hall - Nikala Olympic Weightlifting Hall - Pankritio Stadium, Heraklion - Kaftanzoglio Stadium, Thessaloniki - Ano Liossia Olympic Hall - Panthessaliko Stadium, Volos - Pampeloponnisiako Stadium, Patra.

There was also an active participation and supervision of the reconstruction of many training sites at 4 Olympic Cities (Patra, Heraklion, Volos and Thessaloniki). The project's scope of services covered all levels of construction including completion of tender documents, monitoring of the execution of contractual obligations and recommendations for amendments, scrutiny of the insurance agreements, health and safety issues of projects, programming of detailed design and projects, quality control of projects, monitoring of the absorption of funds of the projects, legal counseling.

Consortium (25% each) with ADO S.A., ALPHA CONSULTANTS & OMETE S.A.



Olympic Tennis Center

Athens 2004 Olympic Venue, Attica, Greece

Architectural Design Proposal

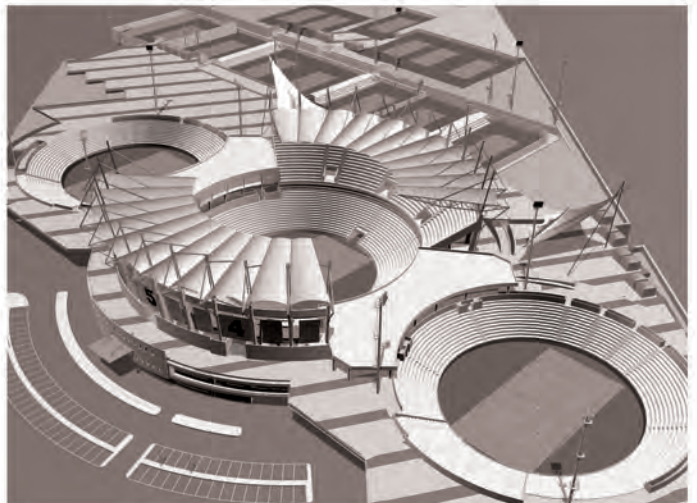
Proposal for the construction of the New Central Tennis Grandstand, 10,000 seater and various upgrading and refurbishment works of the entire Olympic Tennis Center in preparation of the 2004 Olympic Games in Athens.

In total, the Olympic Tennis Center consists of the central Grandstand and 16 other courts as well as all necessary services and outdoor areas.

In cooperation with:

Structural: D. BAIRAKTARIS, LTD.

Mechanical & Electrical: TEAM M - CONSULTANT ENGINEERS S.A.





Olympic Athletic Centre of Athens

Athens 2004 Stadium by Santiago Calatrava, Athens, Greece

Mechanical & Electrical Engineering & Infrastructure

The project for the aesthetic integration of the Olympic Athletic Centre of Athens (OAKA) was designed by the well-known Spanish architect Santiago Calatrava.

The project included the following partial projects: Service Infrastructure, outdoor areas and surroundings of the Athens Olympic centre / Velodrome Roof / Redesign of velodrome interior (5,250 spectators capacity) / Main Olympic Stadium roof / Service spaces / Wall of Nations / Olympic Centre Entrances / Tunnels / Parking Lots /Athletes warmup facilities.

The scope of work included: Water Supply / Sewage and Rainwater / Fire Protection / Lighting / Power / Electrical Substation / Telephones - Data / Sound Facilities / CCTV / Lighting and Earthing / Elevators / Special installation (compressed air, vacuum system, gases, etc.)



Selected Projects

Panionios Stadium & Sports Center

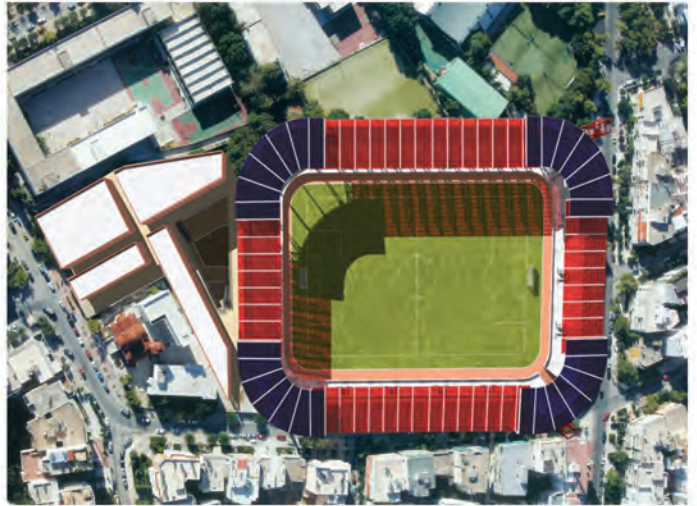
Preliminary Design, Athens, Greece

Architectural Design Proposal

The new sports facilities of Panionios G.S.S. was proposed to be built on the existing site and to consist of:

- The new stadium, 12,600 seats approx.
- Indoor Gymnasium with Swimming pool for races and Water Polo, Courts for Basketball, Volleyball, Handball and 5x5 Football, grandstand seating for 1,440 spectators.
- Commercial / Retail Services
- Underground Parking
- Independent Residence for Athletes
- Private Gymnasiums

Total internal floor area: 50,000m²



Alkazar National Stadium

Preliminary Restoration Design, Larissa, Greece

Architectural Design Proposal

The new facilities of the 'Alkazar' National Stadium in Larissa would consist of:

- The new stadium, 16,000 seats
- Indoor Gymnasium
- Indoor Swimming Pool
- Commercial / Retail Services
- Car Park

Total internal floor area: 40,000m²



Thermi 'Palasi Des Sports' Indoor Gym

Architectural Competition, Thessaloniki, Greece

Architectural Design Proposal

The proposal for the construction of a new Gymnasium complex in Thermi, Thessaloniki consisted of:

- Indoor Track & Field with a grandstand for 15,000 spectators
- Service Buildings and Training Grounds
- Medical Centre
- Press/Media Centre

Total internal floor area: 50,000m²

Competition Partner: K. KYRIAKIDIS AND ASSOCIATES S.A.



Selected Projects

Olympic Sailing Center, Agios Kosmas

Athens 2004 Olympic Venue, Athens, Greece

Mechanical & Electrical Design

The land zone has an area of 382,000m². The sea zone covers 165,000m² with a maximum depth of 8m. Buildings (8,945m²) include offices, restaurant, multi-purpose halls, locker rooms, medical areas, kitchens, plant rooms and a helipad.

The center has 1,200 parking spaces and 1,660m long boat docking front.

Capacity: 1,000 boats

Number of Athletes: 400

Spectator capacity: 1,600

Press seats: 150 printed press, 25 photographers

Preliminary Design, Design Development, Final Design, Tender Documents



Olympic Shooting Range, Markopoulo

Athens 2004 Olympic Venue, Attica, Greece

Mechanical & Electrical Design

The Olympic Shooting range is located in Markopoulo Attica, Greece. It is the venue that accommodated the 2004 Olympic Shooting at moving and fixed targets.

It covers an area of 312,000m² with a capacity of 4,000 spectators. It consists of 4 main buildings (36,000m²) with a closed arena for all shooting sports, reception areas, press rooms, restaurants, accommodation and office areas. It is equipped with the latest technical infrastructure to support international shooting competitions.

Preliminary Design, Tender Documents & Construction Details (Phase A)



Olympic Sports Hall, Galatsi

Athens 2004 Olympic Venue, Athens, Greece

Mechanical & Electrical Design

The sports hall is located in Galatsi, Athens, Greece and was the venue, during the Athens 2004 Olympic Games, for Table Tennis and Rhythmic Gymnastics.

It covers an area of 92,800m² with a capacity of 5,200 spectators. The Galatsi Olympic Centre (36,000m²) consists of the competition floor (dimensions 30x60m), service and storage spaces, gymnastics area with two warm up rooms (one with dimensions 64x28.5m – minimum free height 10m, the other 63x28m minimum free height 12.5m) and 400 parking spaces.

Preliminary Design, Tender Documents & Construction Details (Phase A)





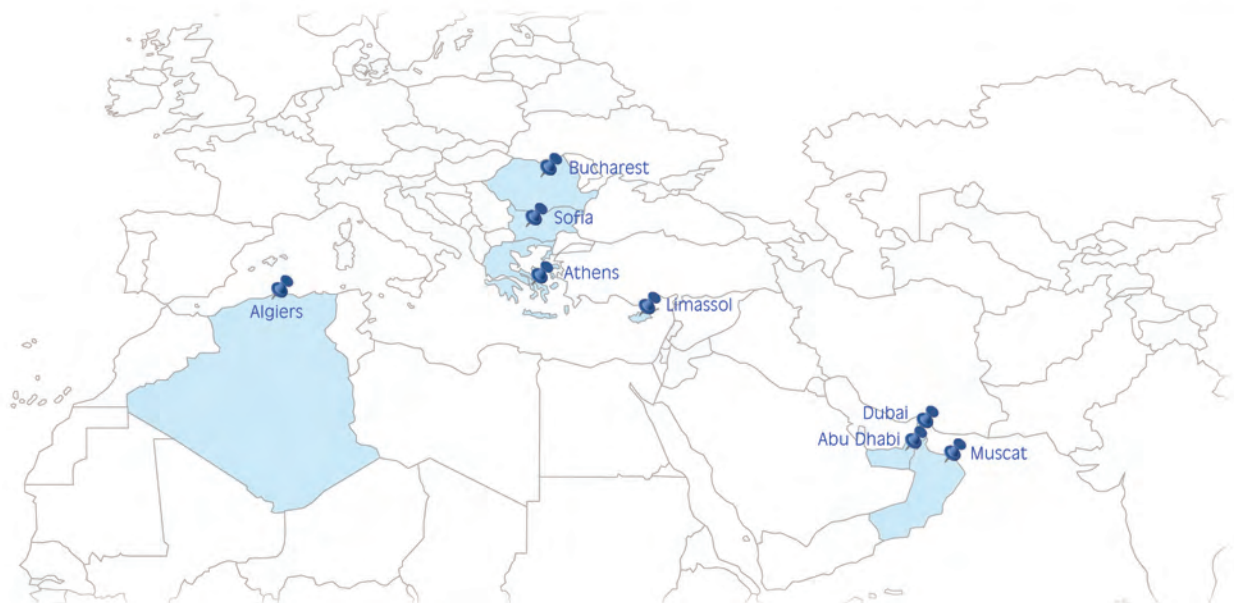
Racecourse, Markopoulo, Attica, Greece
Architectural Design & Landscaping

excellence. innovation. sustainability. all in one.

Contact

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