

Arts & Culture

Cultural Centers, Museums, Religious Buildings,
Entertainment Facilities, Theatres, Cinemas,
Conference Centers & Exhibition Halls

LEEAD



Cultural Centre, Komotini, Greece
Architectural Design

Arts & Culture

Cultural Centers, Museums, Religious Buildings,
Entertainment Facilities, Theatres, Cinemas,
Conference Centers & Exhibition Halls

LEEAD Consulting is highly involved in the Arts & Culture Market, offering solutions for:
Cultural Centers, Museums, Religious Buildings, Entertainment Facilities, Theatres, Cinemas, Conference
Centers & Exhibition Halls

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

Metropolitan Expo Athens

Exhibition and Conference Center, Attica, Greece

Architectural Design, Mechanical & Electrical Engineering

The New Exhibition and Conference Center, the 'Athens Metropolitan Expo' is constructed on the northeast part of the Commercial Area of the International Airport of Athens, 'El. Venizelos' on a plot of 110,000m². It is accessible via the central airport road and is the largest exhibition center in Greece. A parking lot of 3,800 open air parking spaces is provided on the plot as well as on an additional 61,000m² site exclusively used for parking. The building area is 49,950m² containing four parallel exhibition halls. Three of the halls are 8m high and the fourth 12m high. A vast corridor connects all exhibition halls with the reception area and auxiliary facilities as well as with the Congress Centre. The Congress Centre contains two Congress halls of 400 and 200 seats respectively with all necessary auxiliary spaces and facilities. Two restaurants and seven cafeterias are distributed within the complex to serve visitors and staff. Moreover, administration offices and warehouses (3,400m²) as well as necessary installation facilities are provided. Provision of all necessary equipment for handicapped use in all public areas has been ensured.

The project was 50% in collaboration with Archicon Ltd.



Al Futtaim Mosque

Dubai, United Arab Emirates

Structural Design

The project is a detailed structural design of Dubai's first truly contemporary Mosque.

Located on Beniyas Square in the heart of the old center of Dubai's Deira district, this large Mosque for 1000 worshippers was offered to the city by Majid Al Futtaim.

The architectural design was by A. Tombazis of Athens, Greece.



Expo 2010 Greek Pavilion

Hot Shell Design, Shanghai, China

Mechanical & Electrical Engineering

The project concerns the Final Design, Tendering and Project Management of the Greek Pavilion for Expo 2010, in Shanghai. The cold shell of the pavilion was provided by the Expo, thus, the design concerned only the hot shell.

The Project was quite challenging given the following facts: the time-and-budget-oriented design, the extra difficulty caused since it was in an overseas city and that other countries' pavilions for Expo 2010 were being designed and constructed at the same time. However, the Project Management team managed to successfully complete the project, both within time and budget limitations which resulted in a great response from visitors.

The scope of work included: Water supply / Sewage and rainwater / Fire Protection / HVAC / Lighting / Lighting control (with advanced DMX and KNX systems) / Power / Telephones - Data / Audiovisual back bone support / CCTV / Security alarm systems / Special Installations (Protection, Audio Support, Kitchen Facilities and Equipment).



Selected Projects

Onassis 'House of Letters and Arts'

Multifunctional Cultural Centre, Athens, Greece

Architectural Structural M/E Engineering Infrastructure Environmental Landscaping Supervision

The building is a multifunctional cultural centre belonging to the Onassis Foundation. The land plot has an area of 3,000m² and is surrounded by streets. The total building area is 25,000m². The main architectural feature is the large egg shaped concert hall (850 seats) designed to host theatrical plays but also opera, concerts, dance, cinema and congress events. A second theatre of 220 seats is designed for smaller events.

An exhibition hall of 700m² is provided. Furthermore, the building includes a media library, a recording studio, roof an open air theatre (200 seats) and a restaurant. In the basements there are 210 parking spaces for visitors. The elevations are covered by strips of white marble to provide shade and filter light to the building openings behind. The Architectural design was elaborated by 'Architecture Studio' in Paris.

We have acted as consultants to the client from the beginning of the project. Further on, we have elaborated detailed design and construction drawings as well as building permit drawings and documents.



International Exhibition Centre of Crete

Exhibition Centre, Crete, Greece

Architectural Structural M/E Engineering Infrastructure Environmental Landscaping Supervision

The International Exhibition Center of Crete is built in the context of the former American Base land plot of Gournes in Herakleion on a total land area of 51,000m².

The complex includes covered and open Exhibition spaces for simultaneous events, leisure spaces administration and all necessary staff and visitor facilities.

On the north side, spaces for exhibition, leisure, catering and parking are placed on a land plot of 35,000m². Open Exhibition spaces are provided with folding light covering.

On the south side, on an area of 16,000m², future parallel events show rooms and art exhibitions, store rooms as well as administration facilities will be developed according to the overall master plan.

Total building area is 5,500m².



Cultural Centre of Komotini

Conference and Cultural Centre, Phase A, Komotini, Greece

Architectural Structural M/E Engineering Infrastructure Environmental Landscaping Supervision

The Cultural Center of Komotini is built on a land plot of 16,280sq.m.

The building includes a multifunctional concert hall of 700 seats with a 14m wide stage equipment with lateral and back stage spaces, rehearsal room, foyer dressing rooms and all necessary facilities to allow for various performances and theatre plays. The total building area is 8,130sq.m.

The design included Detail Design and Construction Drawings.



Star Channel

TV Station, Athens, Greece

Architectural Structural M/E Engineering Infrastructure Environmental Landscaping Supervision

Design and Construction Supervision of the Mechanical and Electrical Installations for the Star Channel TV Station for the tendering, the permit and the construction design phase was the scope of this project. The building Complex consists of office buildings, 4 TV Studios and Radio Broadcasting Studio of the Nea Tileorasi S.A. - Star Channel Media company (9,000m²) with a parking lot for 303 vehicles, and a car showroom (336 m²) and workshop (794m²) of the Genesis S.A. (Ferrari) company, in the Vipa-Viopa area of Kifissia, Athens, Greece. The construction of the project was awarded to a Contractor based on preliminary drawings. Therefore, the actual design had to be performed, when construction was ongoing, one step ahead of the Contractor while bringing the design up to construction level. (Note: the Contractor did not have an obligation to produce shop drawings). Another constraint was that the building envelope was originally designed as an office building and the change of function in large areas (studios etc) created considerable hurdles. The scope of work included: Water Supply / Sewage and Rainwater / HVAC / Fire Protection / Lighting / Power / Electrical Substation / Telephones - Data / Public Address / Building Management System / Security Systems / Lightning and Earthing / Elevators / Natural Gas



Ster Century

Entertainment Center, Athens, Greece

Architectural Structural M/E Engineering Infrastructure Environmental Landscaping Supervision

The new Ster Century building is an example of a modern multifunctional entertainment center. The building is constructed next to a Municipal Park, and thus, extends the local civic center. The land plot is of a 3.180m² area. The building is composed of five underground parking levels, 427 parking places, 2 retail levels (one underground and one on ground floor), 2 levels comprising 10 multiplex cinemas of a total capacity of 1567 seats, a mezzanine used for offices, 2 levels for mechanical installations plus 2 levels of projection rooms. The total building height (over ground) is 23m. The building structure is of concrete with the exception of the cinema tribunines which are steel construction. The most updated HVAC systems have been applied and the fire fighting systems have been designed according to the most strict regulations, constructed with the most inflammable materials and controlled by the building BMS system. Eight escalators and four lifts are provided along with 5 escape staircases to allow easy access and evacuation of all floor levels. A 1600KVA electricity substation is installed in the basement. Aluminum tube louvers cover the curved elevations serving also as shades to the interior spaces. Six circular concrete pillars serve as lift wells clad with metal panels.



Acropolis Slopes

Enhancing of the North and South Slopes, Athens, Greece

Architectural Structural M/E Engineering Infrastructure Environmental Landscaping Supervision

Enhancing of the north and south slopes of the Acropolis includes paving of the "Peripatos" walkway and other important pathways, restoration and delimitation of hill slopes, necessary networks and M/E installations as well as a series of new constructions.

Examples of these constructions are the lower level of part of the up-going road starting from the west yard of the Dionysus sanctuary and connecting with the west elevation of the Dionysus Theater and the bridged shortcut part of the "Peripatos" walkway in the east slope.

The three shelters: Dionysus, Asklepios and Halkourgio are new constructions. The first is a replacement and extension of an old construction that shelters an open air sculpture exhibition, whereas the other two are intended to cover an open air exhibition of excavation findings and protect excavated areas. All three shelters have rectangular shapes with slightly pitched roofs made of flat glass panels which are specially elaborated and stained in patterns in order to shade the pathways below.





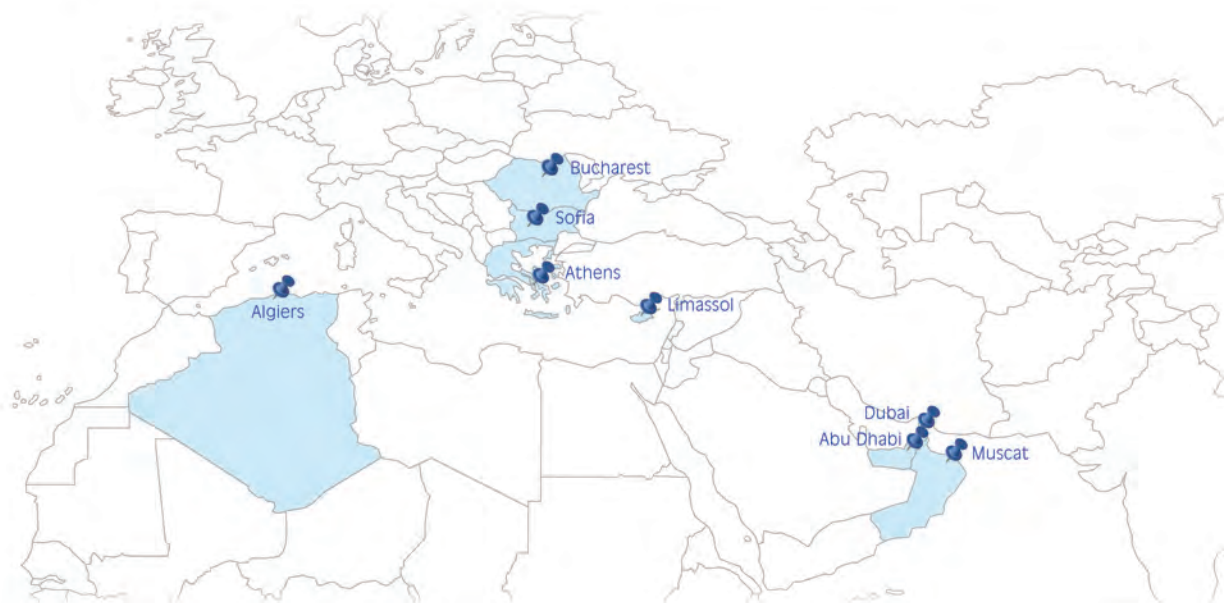
Expo 2010 Greek Pavilion, Shanghai, China
M/E Engineering

excellence. innovation. sustainability. all in one.

Contact

www.leadconsulting.com

LEAD Consulting S.A. Main Headquarters 4 Evripidou Street, 176 74, Athens, Greece T +30 210 9483681 F +30 210 9483671



Greece U.A.E. Oman Cyprus Romania Bulgaria Algeria

12 offices in 7 countries with over 250 completed projects in over 100 countries worldwide