



Data Centres & Logistics

Financial Institutions, Telecommunications,
Distribution Centres, Storage & Resource Centres

LEEAD

Data Centres & Logistics

LEEAD Consulting has been involved in several Data Center projects, setting up advanced solutions for: Financial Institutions such as the Informatics and Management Centre for the National Bank of Greece and the Data Center for Piraeus Bank in Athens, as well as the Headquarters for Telecommunication giants such as Vodafone.

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

National Bank of Greece

Informatics and Management Centre, Athens, Greece

Architectural Design

The Reconstruction and Conversion of a former Factory to a higher complexity Headquarters and Data Building required a delicate architectural approach defined by the bearing structure and restrictions of the existing building, the specifications of an up to date Digital Services building, as well as the functional requirements of a large scale building of this kind and its security demands.

The Complex is composed by the Office Spaces on the western and central parts, and the Main Service Building (Printing Centre and Digital Services) on the eastern part. The space in between is turned into a patio with planted trees, a key element of the complex. As for the illumination of the large surface of the office space, a set of four symmetrical solar chimneys has been invented to pass through all levels' ceilings flooding with light.

The exterior aspect of the building complex is clearly defined by distinctive units, one multi storey part clad with ceramic tiles on framework and one low rise long building with cement coating finishing and successive longitudinal openings that create a rhythm on the facade. Finally, 192 parking places are provided.



Piraeus Bank

Data Centre, Athens, Greece

Mechanical & Electrical Engineering

The Office building of the Piraeus Bank on Syngrou Avenue in Athens, includes Office spaces (4,500m²), a Data Center (500m²) and underground areas (1,500m²).

This state-of-the-art Data Centre was successfully completed in an unsuitable existing building.

The scope of work included: HVAC / Closed Control HVAC System / Water Supply / Sewage and Rainwater / Fire Protection / Electrical substation / Lighting / Power Supply / Generators / UPS / Telephone - Data / Public Address / CCTV / Intrusion Alarm / Access Control / Building Management System / Lightning and Earthing.



Vodafone

Office Headquarters, Athens, Greece

Mechanical & Electrical Engineering

The Headquarters of Vodafone Greece have been placed on a total area of 39,840m², and a parking lot for 700 vehicles, in Halandri, Athens, Greece.

The challenge of this Project was that the structure had to allow various uses to take place in the same building (Headquarters building), like administration, offices, telephone operators, Data center, etc.

The scope of work included:
Water Supply / Sewage and Rainwater / Fire Protection / HVAC / Lighting / Power / Electrical Substation / Telephones - Data / Sound Facilities / Lightning and Earthing / Elevators



Selected Projects

Ioakimides Textiles

Headquarters, Storage & Distribution Centre, Greece

Architectural Design

The 'bar code' inspired elevations from a long sequence of solid and translucent surfaces in accordance to the functional needs of the building spaces. The building has two floor spaces and one basement total build area is 4,968m².

The company's functions are divided into two groups: one for the administration and sale departments and the other for storage-logistics, packaging and distribution loading.

The two groups are arranged vertically into two parallel bars separated by a double height corridor with glazed fire proof partitions to allow full view of the companies activity by the administration department.

A twelve car parking is arranged in the basement along with all necessary M/E installation rooms. Loading and unloading facilities (yard, dock levelers etc) are provided as well as open air car parking.



Athens Stock Exchange

Office Building, Athens, Greece

Mechanical & Electrical Engineering

The office building of the Hellenic Exchanges S.A. (Athens Stock Exchange) is equipped with a 200-vehicles underground car park, in Athens, Greece.

The new Hellenic Exchanges Headquarters' Building with its marble facade was designed in close collaboration with the Client, in adherence to the most sophisticated and up-to-date technologies and standards, in order to accommodate the needs of the Greek stock market.

The scope of work included the following:

Water Supply / Sewage and Rainwater / Fire protection / HVAC / Lighting / Power / Electrical Substation / Telephone - Data / Public Address Systems / Lighting and Earthing / Elevators / Closed Control HVAC System



SATO Distribution Center

Central Warehouse, Goods Pick-up & Offices, Greece

Architectural Design

Sato's new Distribution Centre was constructed in Elefsina's industrial area. The plot occupies an area of 55,500m². In terms of functionality, morphology and construction it is divided in three parts: the central warehouse, the area dedicated to goods' pick-up and shipment and the independent office building. The Central Warehouse, covering an area of 15,800m², has a fully automated VNA storage system. The Pick-Up and Delivery Area occupies three floors, each having a surface of 5,250m². The underground floor is dedicated to storage and is equipped with a ramp for large trucks. It also houses the electrical and mechanical infrastructure. On the ground floor there are 32 hydraulic ramps for loading and unloading purposes. The Office Building develops across four floors, 650m² each. The canteen, the restaurant, the assembly room and the archive are found on the underground level. The main entrance is located on the ground floor, complemented by delivery and pick-up offices on both sides. The first and second floors are occupied by offices. This building is morphologically differentiated from the other two, by the louvers on its south facade.

The project was a 50% in collaboration with ArchLab S.A.





OTE Resource & Storage Centre

Hellenic Telecommunications Organization, Athens, Greece

Architectural Design

Located on a 108 hectare site, OTE's new Resource and Storage Centre includes a 9,200m² Warehouse Building, a 1,900m² Office Building, a 325m² Vehicle Repair Garage, a 100m² Entrance Building, outdoor storage areas, a private road network, parking areas, loading bays and a weighing platform.

The entire complex takes up 2/3 of the South portion of the site, whilst the outdoor storage areas are located on the North area of the site, parking and loading areas to the West that surround the weighing platform area which is located inbetween for practical reasons. New vehicular access was also created to connect the site to the adjacent highway.

Extensive excavation was necessary due to the site's 6% incline and in order to meet the client's demand for the entire 9,200m² Warehouse to be spread across one level. The office building is located at the highest point of the site, allowing its strong architectural character to be visible from the highway, whilst offering an overall view of the site.



Selected Projects

WIND Hellas Telecommunications S.A.

Telecommunication Station, Athens, Greece

Mechanical & Electrical Engineering

Telecommunication Station building of the WIND company with a total surface of 17,877m², in Athens.

The scope of work included the following:

Water Supply / Sewage and Rainwater / Fire protection / HVAC / Lighting / Power / Electrical Substation / Telephone - Data / Public Address Systems / Lightning and Earthing / Elevators / Gas



ALDI Sindos & Patras

Administrative Headquarters and Storage facilities, Greece

Mechanical & Electrical Engineering

Administrative Headquarters and Storage facility Centres of the ALDI company: -

- Patras: total surface of 36,368m²

- Sindos, Thessaloniki: total surface of 72,040m²

The scope of work included: HVAC / Water Supply / Sewage and Rainwater / Lighting / Lightning-Earthing / Elevators



Mega Image, Delhaize Group

Storage Facility, Bucharest, Romania

Project Management

Supermarket chain storage facility of 50000 m² in Popesti-Leordeni, near the capital Bucharest. The total cost of the project was 30m Euros and the implementation of the construction lasted for 14 months.

The scope of work included: Water Supply / Sewage and Rainwater / Waste water treatment plant / Fire Protection / Smoke extraction / HVAC / Refrigerator / Lighting / Power Supply(AC-DC) / Electrical Substation / Generators / UPS / Data Network / CCTV / Public Address / Intrusion Alarm / Access Control / Building Management System / Lightning-Earthing / Elevators





SATO Distribution Center
Architectural Design

excellence. innovation. sustainability. all in one.

Contact

www.leeadconsulting.com

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



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