

Clients

Our satisfied clients constitute evidence of our technical expertise in demanding projects such as:

The Rio-Antirio Bridge
Egnatia Odos Motorway
Ionia Odos
Olympia Odos
Aegean Motorway
Athens Metro
Faliron Bay Development
Power Plants
Athens International Airport
14 Greek Regional Airports

Certifications

DENCO Structural Engineering holds a professional liability insurance policy of €2,5M per loss event & €3M per year; is registered with the Technical Companies Registry of the Technical Chamber of Greece (Reg. No. 17537), is also registered in the Designers Registry of the Ministry of Infrastructure & Transport in highest class for structural design of public and private works (Reg. No. 943) and applies a certified Quality Management System according to the EN ISO 9001:2015 Standard, and Environmental Management System according to the EN ISO 14001:2015 Standard.

Company

DENCO Structural Engineering is one of the leading Greek consulting firms with activities both in Greece and abroad. Our mission is to provide top quality structural solutions and design services, while meeting the cost and time constraints set in each project.



Dr Telemachos Panagiotakos, CEO

“What I love the most is to solve complex engineering problems and design ambitious projects according to the highest standards.”



Costas Vlachos, CEO

“My priority is to deliver innovative ideas to world-class industrial projects and infrastructure. The bigger the challenge, the better.”

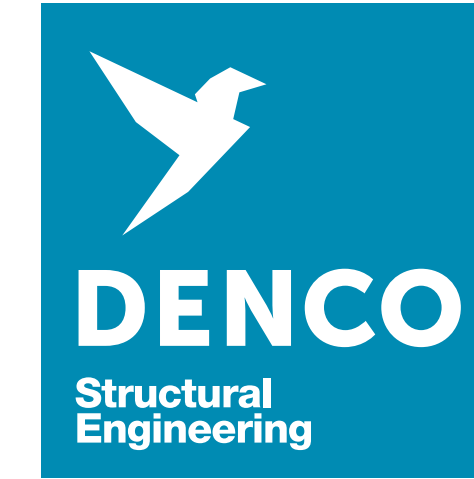


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Countries where we have provided services

- Greece
- Cyprus
- Algeria
- Oman
- Syria
- Jordan
- Lebanon
- Iraq
- United Arab Emirates
- Saudi Arabia
- Egypt
- Nigeria
- Ghana
- United Kingdom
- Serbia



Clarity through complexity

www.dencopc.gr

Services

Structural Design

Buildings of various uses
Bridges of various types & construction methods
Tunnels
Underground structures & subway stations
Industrial facilities & power plants
Special foundations & retaining structures
Marine structures
Feasibility Studies
Seismic, Fire & Wind Engineering

Structural Assessment & Upgrading

Structural Inspection
Structural Integrity Monitoring
Retrofitting design
Asset Management
Service Life Design

Research & Development

Research Projects
Software Development
Development of Guidelines

Structural Design Check

Technical Advisor

Construction Supervision

Tender Documentation

Philosophy

Our experience in Structural Engineering, our efficiency, reliability and quality of work combined with our scientific proficiency are the driving forces of our design work, ensuring the satisfaction of our clients. Our goal is to make our structures safe, efficient, high-performing, cost-effective, sustainable and inspiring.

In order to be a successful Structural Engineering company, you have to be able to balance between vision and detail, big ideas and practical aspects, expert know-how and intuition. It is more than having strong work ethics. At DENCO Structural Engineering we have a deep understanding of structures, the environment and their optimal operability and we provide creative and inventive solutions on-demand, while maintaining budget consciousness and respect for deadlines. In every project, we work closely with our clients and partners throughout all design, and construction stages, from brainstorming and feasibility studies through preliminary and detailed design, construction engineering, site supervision, technical expertise and independent checking. Consistent and thorough communication is key. In order to achieve the best possible results, we pursue an in-depth understanding of the client's requirements and vision, while maintaining the ability to take the project to the next level.



Piraeus Tower

2nd tallest existing building in Greece, 2022.

Structural Design Scope:

- Static and Seismic assessment.
- Redesign and Strengthening of the building.
- Study of wind effect including wind tunnel tests.



Mitilini Airport

New Terminal, Fire Station plus various infrastructures (tanks, canopies etc).

Structural Design Scope:

- Full Structural Design.
- Construction consulting.



Skywalker

Structural Design Scope:

- Structural assessment and design of interventions in order to convert existing building from cinema complex to office and retail building.



Kamarens Bridge (Olympia Odos)

100m long, 50yrs old existing bridge.

Structural Design Scope:

- Assessment & Upgrading.
- Design of new composite deck.
- Seismic isolation/Light embankments.
- Construction Consulting.



Code drafting

Participation in:

- Eurocodes (CEN/TC250 & ELOT/TE67).
- National Technical Specifications (ELOT/TE99).
- Greek Standards (OASP).



Research & Development

- Software Development (web based).
- Participation in research projects.
- Development of design guidelines.
- Organization of seminars & workshops.
- Participation in Scientific Conferences.



Inspection & Condition Assessment

(Olympia Odos SA, Aegean Motorway SA, etc.).

- Detailed structural inspection.
- Structural health monitoring.
- Development of rating system.
- Maintenance plans.
- Preparation & evaluation of load tests.



Menidi Bridge (Ionia Odos)

Continuous deck with precast beams, 14 spans, 539m total length, seismic isolation (FPS).

Structural Design Scope:

- Complete Structural Design.
- Construction consulting.



Rio-Antirio Bridge

Structural Design Scope:

- Design checker of all elements of the project, actively participating in the seismic design concepts, in cooperation with "Buckland & Taylor (Canada)".
- Construction Supervision with "Faber-Maunsell (U.K.)".



Tsagkaropoulo Bridge (Ionia Odos)

Continuous deck, box girder, 3 spans, 353m total length, balance cantilever construction.

Structural Design Scope:

- Full Structural Design.
- Construction consulting.



Agia Varvara Station



Korydallos Station

Extension of Line 3 of Athens Metro

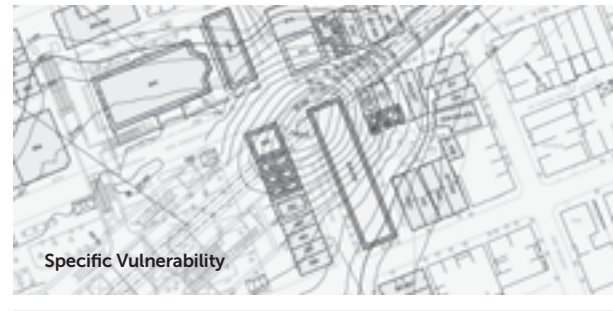
Structural Design Scope:

- Four Stations (Agia Varvara, Korydallos, Nikaia, Dimotiko Theatro).
- Five Shafts.

- Specific Vulnerability and Relative Risk assessment of existing structures along the Extension.



Dimotiko Theatro Station



Specific Vulnerability

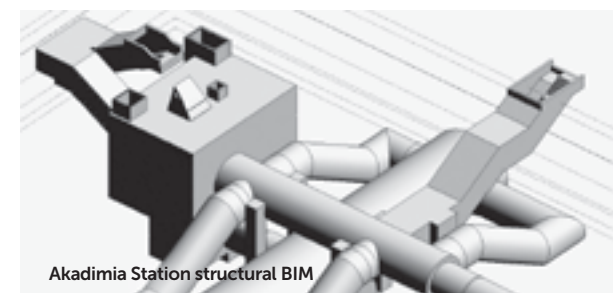


Peristeri Station

Extension of Line 2 of Athens Metro

Structural Design Scope:

- Peristeri and Anthoupoli Stations.
- Tunnel Final Lining.
- Specific Vulnerability and Relative Risk assessment of existing structures along the Extension.



Akadimia Station structural BIM

Line 4 of Athens Metro

Structural Design Scope:

- Five Stations (Elikonos, Dikastiria, Exarchia, Akadimia, Ilisia) • Five Shafts • Two Trumpet Tunnels
- O.C.C. Building • Specific Vulnerability and Relative Risk assessment of existing structures along the Line.



Kryfovo Bridge (Ionia Odos)

Prestressed continuous box girder deck, 6 spans, 280m total length, EPS (Geofoam) abutments.

Structural Design Scope:

- Full Structural Design.
- Construction consulting.



Revithoussa 3d LNG Tank

Construction with the highest seismic requirements in Greece (2022)

Structural Design Scope:

- Seismic design of the project • Seismic Isolation Design of the Tank • Auxiliary structures (Bridges, Pipe Racks, Buildings).



Agios Nikolaos CCGT

826 MW Combined Cycle Power Plant

Structural Design Scope:

- ST-GT-Generator Pedestal, Electrical Building, HRSG-Stack Foundation, Turbine Building Foundation, Retaining Wall, various auxiliary structures.

SES Ptolemais Unit V 660 MW Power Plant

Structural Design Scope:

- Crusher House, Conveyors, Silos, Boiler House steel connections and auxiliary structures for erection, Electrical Buildings. • Static Assessment of 77 rail bridges, against Special Rail Transport.



Shat Al Basrah

10x125MW 9E in IRAQ

Structural Design Scope:

- Structural Design of Concrete and Steel structures including Machines Pedestals.



Energy from Waste (EfW)

Facility at Protos Park in the U.K.

Structural Design Scope:

- Structural Design Checker, main structures.
- Support during the construction phase.