

80 years of expertise

COMPANY PROFILE

APericleous
Civil Engineering Consultants

Who we are

A.J. Pericleous LLC is an awarded civil engineering firm combining 80 years of multifaceted expertise and uncompromised design experience. The firm was established in 1994, succeeding the consulting firm N. S. Roussos and J. Pericleous Consultants Civil Engineers and Architects which was established in 1938, and it was one of the first civil engineering companies in Cyprus.

Our 80 years of experience combined with design excellence assists us in recognizing the particular demands of each project, as well as, its nature, location and characteristics. We have carried out numerous structural and geo-technical designs of civil engineering projects, both public and private, some of which are considered as landmarks in Cyprus.

Within professionalism and integrity, and in close co-operation with our engineers, we manage to meet clients' needs by providing innovative, cost-effective and sustainable solutions. Moreover, we strive to deliver the projects on time and on budget!

The core values of our company are incorporated into a code of conduct which provides clear guidelines to all employees. This framework urges our engineers to analyze each project and follow a step-by-step approach. Furthermore, the company is striving to operate consistently and transparently. Setting high ethical standards enables us to retain both clients and employees, while maximizing project potential.

Our firm is a registered at the Technical Chamber of Cyprus (ETEK), and the registration number of our engineering practice is C00049.

International Awards and Nominations

In 2015 our company was shortlisted for a Structural Award by the Institution of Structural Engineers of UK in the category of Small Engineering Practices for our project of the SBAA Environmental Center which was selected among 300 projects worldwide.

Mission

Our mission is to provide high-quality engineering services and enhance customers' satisfaction through professional quality. Also to focus on the overall success of the project while creating a fulfilling working environment which constitutes a key priority for A.J. Pericleous LLC.

Values

- **Respect**

We respect the environment and the people we are working with.

- **Excellence**

We create value for our customers through our innovative and efficient designs.

- **Progress**

We focus on the continuous improvement of our services and ongoing development of our employees.

- **Integrity**

We show zero tolerance for bribery or other corruption practices.

- **Teamwork**

We maintain good relationships with all stakeholders involved in a project for optimal performance.

Main Services

- I. Design and management of civil engineering projects
The advanced knowledge together with the professional background of our engineers enables us to provide innovative and efficient solutions.
- II. Consulting services as technical advisors
We provide consulting services for projects designed and constructed by contractors.
- III. Forensic engineering & expert's witness
Our firm conducts technical investigations assigned by the Cyprus Scientific and Technical Chamber (ETEK), insurance firms and other private sector clients.

Types of Projects

Buildings

- Highrise buildings
- Multi-storey residential and retail space buildings
- Factories and industrial space buildings
- Houses
- Theatres
- Public & Government Buildings
- Hospitals
- Schools
- Structural engineering survey
- Retrofit and seismic upgrade of structures

Geotechnical Engineering

- Finite element modelling of geotechnical problems
- Dewatering
- Deep excavations
- Earth Lagoons and embankments
- Slope stability assessment and design
- Foundation improvement and underpinning
- Foundations (raft foundations, pile, pile groups, micropiles)
- Soil structure interaction

Infrastructure - Transport

- Ports
- Airports
- Roads

Water

- Sewage and storm water drain networks
- Sewage treatment plants
- Water retaining structures

Specialist Structural Engineering Design

- Masts and Towers
- Canopies

Computer Software

An indicative list of software:

Analysis & Design

- CSI Berkeley ETABS
- ADAPT Builder
- Bentley STAAD Pro
- AutoSTRAD VK, Professional
- LH Logisimiki, FESPA

Geotechnical Design

- Bentley STAAD Foundation Advanced
- GEO 5 Suite
- CivilServe GGU Soil Stability – Huesker GmbH
- DC Dewatering, DC GMBH

BIM

- Graitec Advance Steel
- Autodesk Advance Concrete

Detail Design

- eCTools Pro
- CADS Moment Connections
- Sofistik Steel Connection
- Teretron Timber
- Eagle Point Sewer Sanitary

Clientele

Our firm maintains relationships with clients since 1938, the year when the firm was first established under the name of N. Roussos and J. Pericleous. This solid and constant customer relationship is a key aspect of our

marketing strategy because it underlines the quality of our services. The following public services and private sector companies are amongst our clients and associates:

- **Thornton Tomasetti**

(Global engineering consulting company)

- **BG&E**

(Global engineering consulting company)

- **Buro Happold**

(Global engineering consulting company)

- **CH2M – Halcrow Group**

(Global engineering consulting company)

- **CSP J.V.**

(The largest JV of companies carrying out projects in the British Sovereign Bases in Cyprus)

- **Interserve (Cyprus) Ltd**

- **British Sovereign Bases**

- **Vassiliko Cement Works PLC**

(The largest cement factory of Cyprus)

- **Bank of Cyprus**
(One of the leading banks in South East Europe)
- **Town planning and Housing Department of the Republic of Cyprus**
- **Water Development Department of the Republic of Cyprus**
- **Cyprus University of Technology**
- **Municipality of Limassol**
- **Municipality of Pafos**
- **Ministry of Education and Culture of the Republic of Cyprus**
- **Department of Antiquities of the Republic of Cyprus**
- **Cyprus Ports Authority**
- **Cybarco Ltd**
(One of the largest construction companies of Cyprus)
- **J&P**
(One of the largest construction companies globally)
- **Arabian Construction Comp.**
(One of the largest construction companies globally)
- **Iacovou Bros Construction Ltd**
(One of the largest construction companies of Cyprus)
- **Atlas Pantou Construction Ltd**
(One of the largest construction companies of Cyprus)
- **Kruger A/S Veolia**
(Water and environmental engineering)

DIRECTORS PROFILES





Pericleous Antonis

**Managing Director,
Partner**

Education:

Diploma in Civil Engineering

Aristotle University of Thessaloniki,
Greece, School of Civil Engineering

Language skills:

Greek, English

Memberships of professional bodies:

Institute	Country	Membership
	Cyprus	Civil Engineer
ETEK (Scientific and Technical Chamber of Cyprus)		Member of the editing committee of the Cyprus Seismic Code Ex-member of the Limassol District Committee
Cyprus Association of Civil Engineers	Cyprus	Ex-member of the Limassol District Committee
Cyprus Association of Civil Engineers and Architects	Cyprus	Ex-member of the Limassol District Board
Technical Chamber of Greece	Greece	Civil Engineer

Other Skills:

Excellent knowledge of computer software, including (but not exclusively) STAAD Pro, Advance Steel, SAFE, ETABS, AutoSTRAD, Stereostatica, AutoCAD, Microsoft Office

Present position:

Founder, Partner and managing director in A. J. Pericleous LLC, Civil Engineering Consultants

Key Qualifications:

Antonis Pericleous has a large experience in structural and geotechnical design both in Cyprus and in Greece. He is a licenced engineer in Cyprus and in Greece. He holds a diploma in Civil Engineering from the Aristotle University of Thessaloniki, Greece. He is an active member of the Cyprus Association of Civil Engineers and of the Cyprus Association of Civil Engineers and Architects, and was for several years a member of their Limassol District Committees. He was appointed as a member of the editing committee of the Cyprus Seismic Code. During his career, he has conducted numerous designs and supervisions of projects, both for the public and private sector.

Professional experience record:

Company / Organization	Period From - To	Position	Description of Duties
A. J. Pericleous LLC	1994 - Now	Director	Design Quality Control, Project Management
N. Roussos and I. Pericleous, Civil Engineers and Architects	1978 - 1994	Director Partner	Director, Design Quality Control, Project Management
Technolab Ltd (Materials quality control Laboratory)	1993 - Today	Director Partner	Civil Engineer, Director
Freelance	1974 - 1978		Design, Project Management
Precon Ltd	1975 - 1978	Associate	Design, Project Management



Pericleous Yiannis

**Design Manager,
Partner**

Education:

**Master in Business Administration
Master in Civil Engineering**

University of Cyprus.
Cornell University, USA.
National Technical University
of Athens Greece.

Language skills:
Greek, English

Memberships of professional bodies:

Institute	Country	Membership
Institution of Structural Engineers	UK	Member (Reg. No. 028389268)
Engineering Council	UK	Chartered Engineer (Reg. No. 639912)
ETEK (Scientific and Technical Chamber of Cyprus)	Cyprus	Full member - Civil Engineer (Reg. No. A100698)
Cyprus Association of Civil Engineers	Cyprus	Full member - Civil Engineer
Technical Chamber of Greece	Greece	Full member - Civil Engineer (Reg. NO. 100915)

Other Skills: COMPUTER SOFTWARE

Modeling and design software: CSI ETABS, CSI SAP2000, CSI SAFE, Bentley STAAD Pro, VK Autostrad, Civil 3D
Foundation and geotechnics: Bentley STAAD Foundation, GEO 5 geotechnical suite, GGU Slope stability
Detailing design software: CSI Col, Sofistik Steel Connections, CADS Moment Connections
Drafting and drawings: Graitec Advance Steel, AutoCAD, Advance Concrete
Administration: Microsoft Project, Microsoft Office

Present Position:

Partner and director in A. J. Pericleous LLC, Civil Engineering Consultants

Key Qualifications:

Yiannis Pericleous has a large experience in structural and geotechnical design in Cyprus. He is a Chartered Structural Engineer and Member of the Institution of Structural Engineers of UK and a licensed engineer in Cyprus and in Greece. He holds a diploma in Civil Engineering from the National Technical University of Athens (2003), an MEng in Civil Engineering from Cornell University in USA (2004) and an MBA from the University of Cyprus (2008). He is an active member of the Cyprus Association of Civil Engineers and a member of several Technical Committees of the Cyprus Technical Chamber (ETEK) and of Cyprus Organization for Standardisation (CYS). During his career he worked for large construction companies as construction manager and project manager for significant infrastructure projects in Cyprus.

Professional Experience Record:

Company / Organization	Period From - To	Position	Description of Duties
A. J. Pericleous LLC	2007 - Present	Director	Director, Design Quality Control, Project Management
A. J. Pericleous LLC	2004 - 2007	Part Time	Structural and geotechnical design of structures
Cybarco PLC	2006 - 2007	Construction Manager	Construction manager, Health and Safety Coordinator for the extension of the sewage treatment plant of Limassol, responsibilities included overall quality control, coordination of works, liaise with company's Project Manager and Client's Resident Engineer
Miltiades Neophytou CECD LTD	2004 - 2006	Project Manager	Project manager for various infrastructure projects, including pipeline and services installations.

FEATURED PROJECTS



BUILDINGS



Trilogy Limassol Seafront (2017- Today)

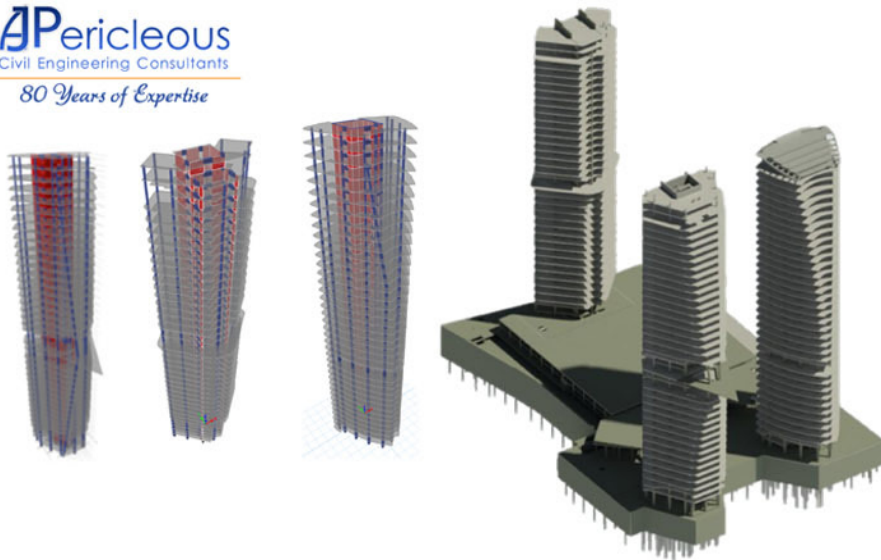
Structural engineering design in collaboration with Thornton Tomasetti, USA, and with Andreas Evripidou Engineers. The project includes three highrise towers with heights ranging from 165m to 190m for office and residential usage. Podium structure, which occupies about 120.000sqm includes parking spaces, retail areas and plazas. Employer: Cybarco Property Developers

Architect: WKK
Budget: €300 mil
Place: Cyprus
Stage: Under Design





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Skytower (2017- Today)

Structural and civil engineering design in collaboration with BG&E London. The project includes a highrise tower with 26 residential floors and single basement and it is over 100m tall. This tower is the first highrise building to be constructed in Cyprus. The project is constructed in a plot of 30.000sqm and the tower is about 12.000sqm

Employer: Prime Properties

Architect: UHA London

Budget: €30 mil

Place: Cyprus

Stage: Under Construction



Marco Polo (2017- Today)

Structural and civil engineering design. The project includes a highrise tower with 12 residential floors and single basement. This tower has the unique characteristic of 22 degrees slope, each floor is offset by 1.5m and this created structural and foundation challenges.

Employer: Prime Properties

Architect: UHA London

Budget: €12 mil

Place: Cyprus

Stage: Under Design



PAFILIA TOWER ONE (2017- Today)

Our involvement in the largest currently building project under construction currently in Limassol is through the JV of contractors for which are providing consulting services for various civil engineering issues, which among others include the design of temporary works and Structural BIM to produce structural shop drawings and drawings coordination for all engineering disciplines. Pafilia ONE Tower was designed by the renowned architectural firm WKK, which is based in London, and the structural engineering design was carried out by Buro Happold. The project is currently the tallest building in Cyprus, with a height of 187m and it is comprised of a double car park base-ment, a podium structure and 33 residential storeys.

Employer: J&P – ACC JV
Architect: WKK
Budget: €77.0 mil
Place: Cyprus
Stage: Construction



AGIA NAPA MARINA TOWERS (2018 - Today)

Agia Napa Marina is currently the largest mixed development project carried out now in Cyprus with a construction cost of about 350million euros. When Agia Napa marina project is completed it will reshape and transform the east coast of Cyprus, by adding a unique landmark that will offer luxurious residency and entertainment to its tenants and visitors. The project includes a marina with a birthing capacity for 600 yachts and mega yachts with complete supporting facilities. It will provide unique retail and commercial places and an exclusive beach. People have the option to choose to live in one of the 30 exclusive villas selecting either sea or marina views. Alternatively, people can choose to stay in one of the illusive apartments on the two high rise towers topping to over 100m height. Both towers have a unique architectural design, with each floor twisting 1.6 degrees from the other in a direction from west to east, which provides unobstructed views of the endless blue of the Mediterranean sea and of the marina.



A. J. Pericleous could not be absent from this project and was appointed as the lead structural engineering consultant for the two high rise towers in collaboration with our US based leading global experts in highrise design, Thornton Tomasetti Inc. . The unique experience of our team, the proactive approach and the support from our associates ensures the smooth and seamless design and execution of the project.

Client: M.M. Makronisos Marina Ltd
Architect: Smithgroupjjr & J+P Philippou
Budget: €350 Mil
Place: Famagusta, Cyprus
Project Date: On Going
Stage: Under Construction





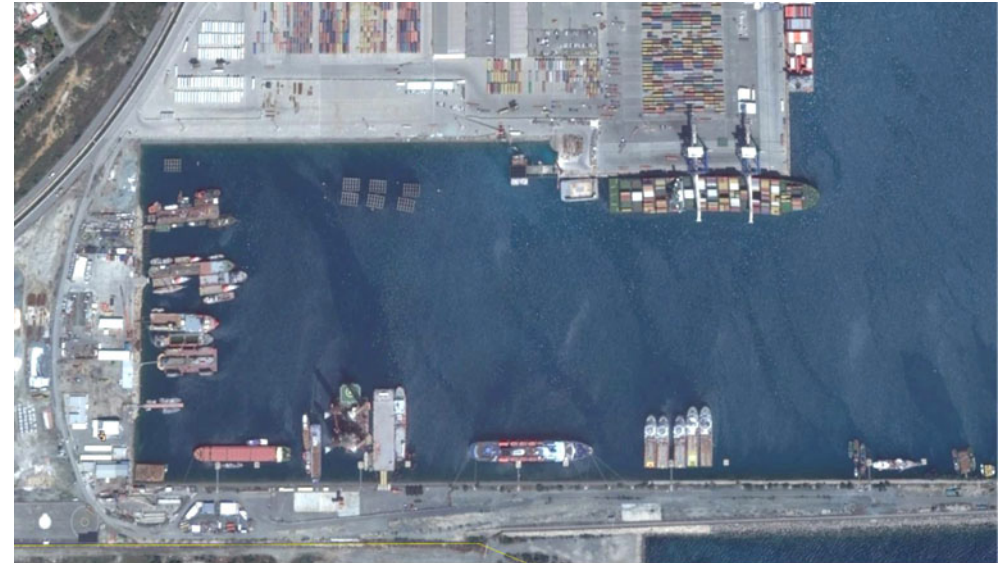
Limassol Port Extension, 500m New Quay Wall



Limassol Port Extension, 500m New Quay Wall (2014-2016)

Provided engineering consulting services as Design Site Representative for the extension of the Port of Limassol. The project included the construction of 24 RC caissons in the sea using slip forming, earthworks (on and off shore), piles, concrete superstructure, PQC, crane rail installation, ports specialist infrastructure (fenders, bollards, etc)

Employer: Triton - Planet JV
Client: Cyprus Ports Authority
Budget: €27.0 mil
Place: Limassol
Stage: Completed





Athiainou Sewage Treatment Plant



Athiainou Sewage Treatment Plant (2013-2017)

Civil and structural engineering design for Athiainou Sewage Treatment Plant (STP), Long Term Storage, Emergency Storage and Sludge Treatment and Storage, Irrigation pumping station, pumping Stations within Athiainou collection system and associated works for the supply of power to the pumping stations, Access Road to the STP and installation of the necessary utilities and infrastructure laid in the access road for the operation of the works.

Designed the long term storage lagoon that has a capacity of 100.000m^3 and emergency storage lagoon 2.300m^3 . The embankments were checked for slope stability under static and dynamic conditions for wet and dry situations using GEO 5 geotechnical suite. The seismic parameters used for the water retaining structures and the crack control design were calculated based on EN1992 and EN-1998 using an internally developed software.

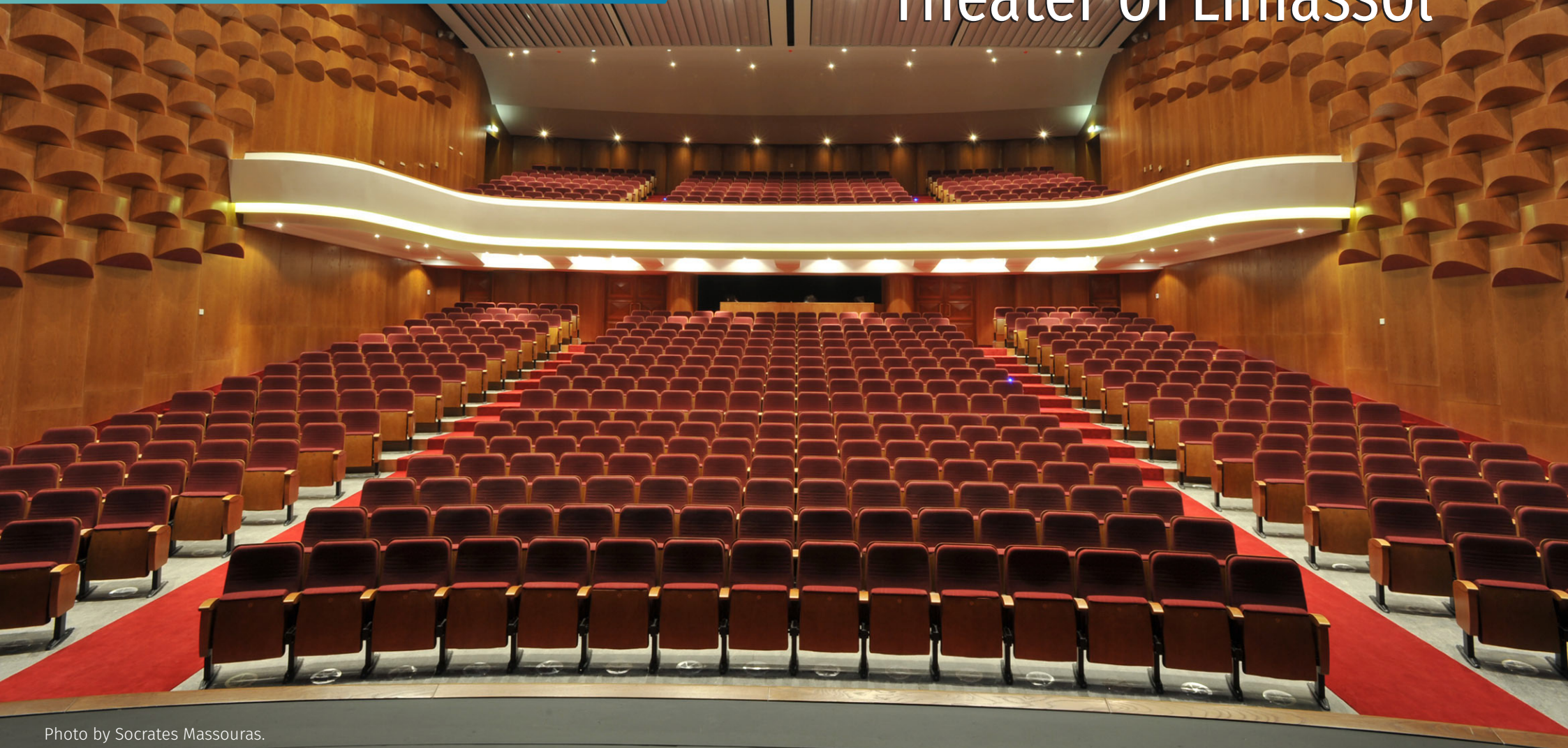


Employer: Cybarco Ltd, S.K. Euromarket – Mekel JV
Client: Water Development Department
Architect: A. J. Pericleous LLC
Budget: €4.4 million.
Project Location: Athiainou, Cyprus
Stage: Completed





Patticheion Municipal Theater of Limassol



Patticheion Municipal Theater of Limassol (2007-2014)

Phase A: Structural design and supervision of works for the new theater stage building. The building is 20m high and it is a hybrid structure as it combines a concrete shell and concrete vertical elements with steel-composite floors due to large spans. The building also has an underground level. Moreover, a part of the old building is demolished and reconstructed in order to extend the width of the proscenium from 9 meters to 11 and to adjust to the new building. The foundation of the new building is a combination of raft foundation and piles. The new building remains statically independent from the existing listed building.

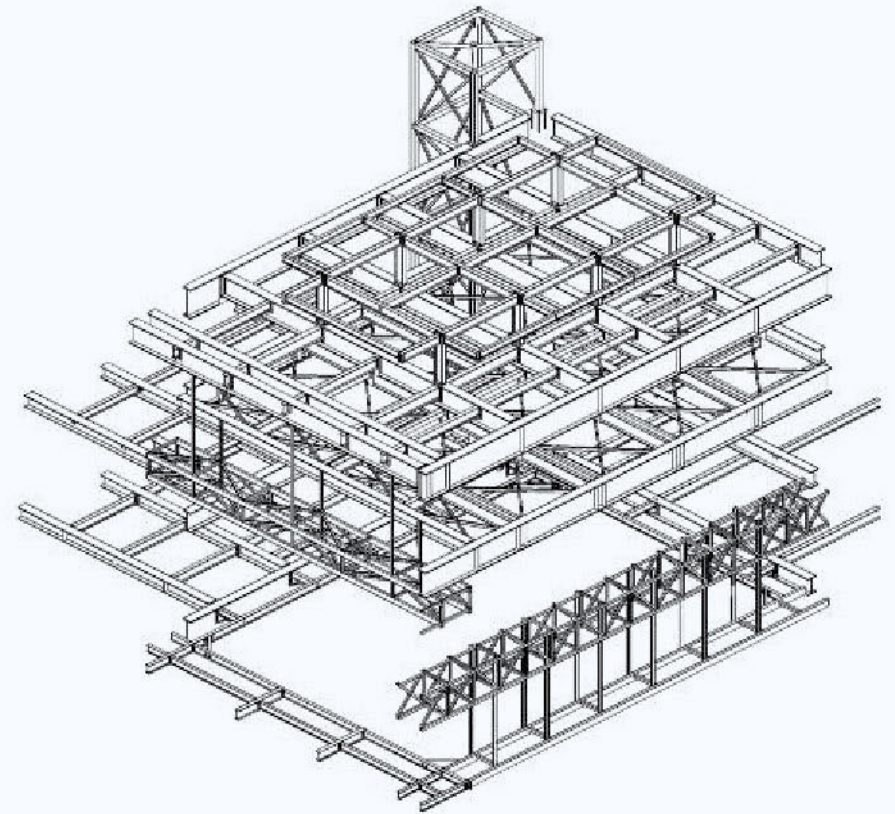
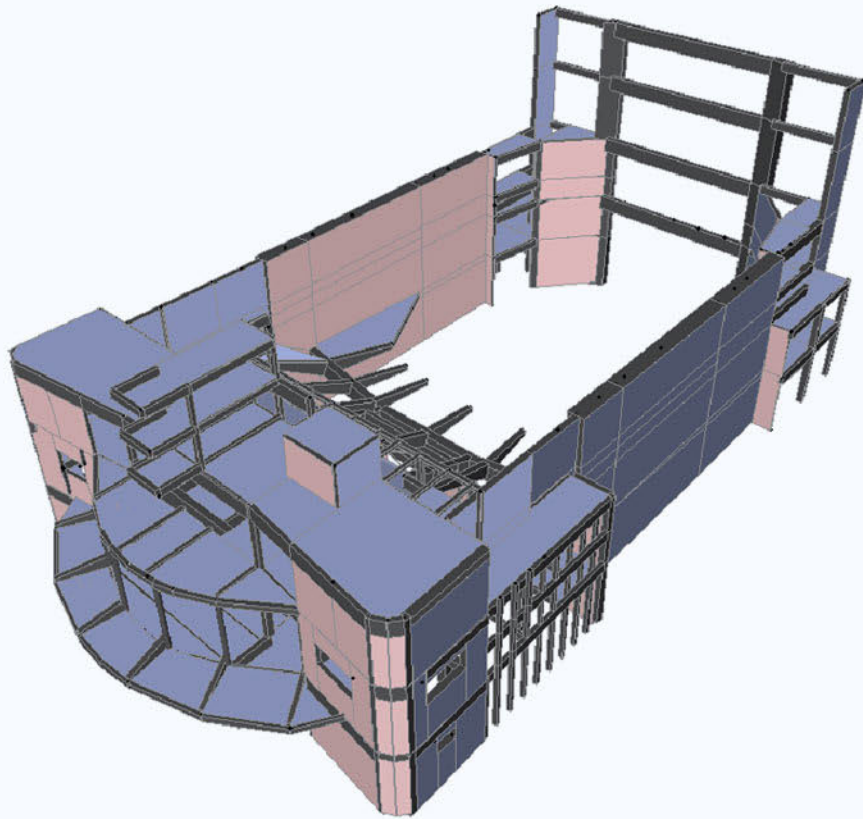
Phase B': The 2nd phase of the works included the structural appraisal of the building, the structural upgrade and retrofit, as well as the structural appraisal of the roof trusses and the design of a new roof using space frames. The old structural system is formed by reinforced concrete elements (columns, beams and slabs), and stone



masonry walls. The proposed upgrade measures included the addition of new reinforced concrete shear walls, concrete jackets on walls and beams, and reconstruction of inadequate beams and columns. The stone masonry walls are reinforced by using hydraulic calcium grout injections and the addition of a layer of concrete 150mm thick externally to increase the capacity in order to be able to carry the loads of the new roof. The existing foundation of the building was also upgraded.

Employer: Municipality of Limassol
Architect: Municipality of Limassol
Budget: €9.0 million,
Project Location: Limassol, Cyprus
Stage: Completed





3D View



Pyla village potable water tanks station refurbishment



Pyla village potable water tanks station refurbishment (2012-2014)

Civil engineering design for a potable tank water station. The project included the demolition of 3 existing steel modular water tanks with 2 new above ground potable water tanks, each of 3.500m³ approximate capacity (23m diameter, 9m height). The new tanks were designed with GLS membranes and RC foundation slab. The cover of the tanks was designed with geodesic dome. The tanks were insulated using mineral wool panels to keep the temperature of the water at low levels.

Furthermore, 2 below ground existing concrete tanks were retrofitted. The existing pipeline network was replaced with new polyurethane coated ductile iron pipelines and all required monitoring infrastructure (scada, telemetry, etc) were installed.

Employer: CSP Interserve JV
Architect: A. J. Pericleous LLC
Budget: €1.5 million.
Project Location: Pyla Cyprus
Stage: Completed



INTERNATIONAL AWARDS



INTERNATIONAL AWARDS

Akrotiri Environmental Training Center is located on a vantage point in Akrotiri area overlooking the salt lake which is a significant wetland. The development of the Environmental Center was an initiative of the Ministry of Defense of UK to support the environmental educational studies and it was decided after the public unrest and the political disorder caused by the construction of a network of antennas by the British Sovereign Bases at the salt lake.

The design of the project was assigned to A. J. Pericleous LLC in mid-January of 2012 by the JV of contractors, CSP-Interserve, who are a long term services provider at the British Bases in Cyprus. The vision of the design team was to provide a landmark structure that would not only stand out but also would make people wondering what it is and consequently make them willing to visit the facility. Furthermore, the building should be energy efficient with low carbon footprint and be rated as Energy Class A, by implementing environmentally sustainable architecture and utilizing renewable energy sources.

Structural**Awards**2015

Award for Small Practices

Shortlist

A. J. Pericleous

for

SBAA Environmental Center


TIM IBELLE
PRESIDENT


D M POWELL
CHIEF EXECUTIVE

PROJECT TEAM

Client:

British Sovereign Bases

Main Contractor:

Interserve Defence Ltd & CSP Joint Venture

Architectural Design:

LandArt Design Group

Electrical, Mechanical & Energy Efficiency Design:

Aspelo Consulting Engineers

13 November, 2015

Our innovative yet environmental friendly engineering design has definitely impacted greatly and positively the community and has delivered a high standards building that fulfills the Client requirements within the set timeframes and budget restrictions. The new facility is well received and enjoyed by its operators and the public in general, serving its main purpose to create environmental awareness.

In 2015 our project was selected among more 300 projects from all over the globe and it was short-listed for the internationally distinguished awards given by the Institution of Structural Engineers of UK, in the category of small engineering practices.



80 years of expertise



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