

Dr. Eng. Costel Severin



severin@otenet.gr

General

Date of Birth:	September 14, 1956
Place of Birth:	Romania
Citizenship:	Greek & Romanian
Nationality:	Romanian
Profession:	Structural Engineer, PhD
Specialization:	Steel Structures, Earthquake & Wind Analysis

Education – Research Experience

1977-1982

Faculty of Civil Engineering, Gh. Asachi Technical University of Jassy – Romania – Degree of Diploma 10 (ten)

1985-1990

PhD, Faculty of Civil Engineering, Gh. Asachi Technical University of Jassy – Romania (supervised by Prof. Dr. Eng. Adrian Radu). The title of Ph.Thesis: *“Contributions concerning the behavior of Buildings under some random actions – wind and earthquake”*.

Languages

- English
- Greek
- Romanian
- French

Computers

- FORTRAN, BASIC programming languages
- Windows and Microsoft Office Suite Software (Word, Excel, PowerPoint)
- Autocad, Revit Structures, Autodesk Detailing Design, etc.
- Steel and Concrete Structures Analysis & Design, Finite Element Analysis
- Software for analysis of structures: Robot Structural Analysis, Space 32, RAF, etc.

Employment Record

1982 - 1986

- Assistant Professor, Polytechnic Institute of Jassy-Romania, Mechanics of Structures and Antiseismic Design Department.
- Assistant Professor, Polytechnic Institute of Jassy-Romania, Computer Analysis and Design of Structures.
- Supervisor of diploma degree of students.
- Co-author of books for didactical use of students, school of Civil Engineering, Polytechnic Institute of Jassy, Romania

from 1986

Structural Designer for Civil and Industrial Structures, Greece

1989 - 1995

- Director of Research and Development Department, OPTIM SYSTEMS company, Greece.
- Consulting Engineer in the Steel Structures and Piping Design Hellenic Aspropyrgos Refineries.
- Consulting Engineer in structural design area of a lot of technical companies, as follows: OPTIM SYSTEMS Ltd, EVEL - DIMOPOULOS, HELLENIC ASPROPYRGOS REFINERY, METKA (Volos), “PARNON” Company, “EFDOMOS” Company, Network Computing Ltd.

from 1999

Structural Designer for Public Works, Highest level, Category 8 & 11.

2000 until today

- Associate of "Computational Design Ltd", company involved in the structural design area.
- Associate Inspector, Structural Design department, T.U.V. HELLAS


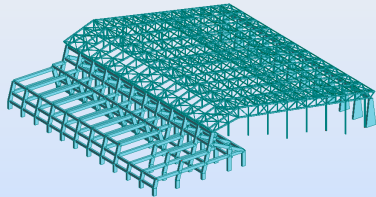
Technical Publications

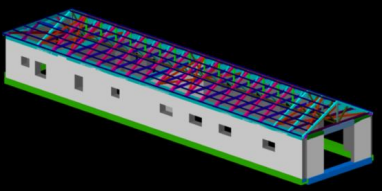
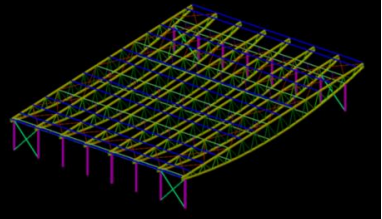
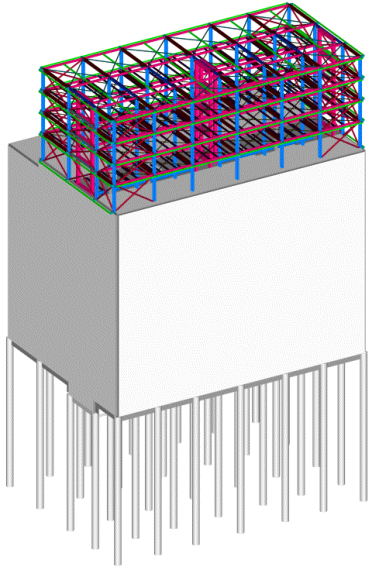
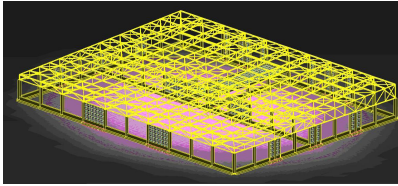
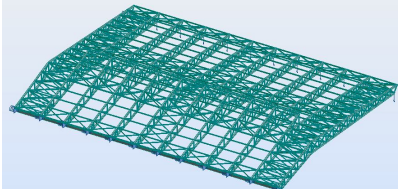
- **SEVERIN COSTEL**, Numerical Methods in Analysis of Shear Walls (Finite Elements, Finite Differences and Equivalence method). *Scientific Symposium in Applied Mechanics, Bucharest 1979.*
- **SEVERIN COSTEL**, Evaluation of Supplementary Stresses in Thin Wall Prestressed Concrete Sheed Roof Element (Vlasov Theory). *Scientific Symposium in Applied Mechanics, Jassy 1980.*
- **SEVERIN COSTEL**, High Rise Concrete Structures with Central Kernel. *Scientific Symposium in Applied Mechanics, Brasov, 1982.*
- **SEVERIN COSTEL**, Bionica, Izvor de Inspiratie in Ingineria Constructiilor. *Scientific Symposium in Prestressed Concrete Jassy, 1981*
- **SEVERIN COSTEL**, A High Rise Presressed Concrete Building Structure Using the Central Kemel System. *Ms. Sc. Disertaton, Jassy 1982.*
- **SEVERIN COSTEL**, Ranspunsul Dinamic al Structurilor la Actiuni Seismice Spatiale cu Componente Intercorelate. *Simpozion "Metode actuale de analiza a structurilor din regiuni seismice", Iasi 1987.*
- **SEVERIN COSTEL**, Stadiul Actual al Prescriptiilor de Proiectare a Constructiilor la Actuini Aleatoare. *Referat Doctorat nr. 1., Iasi 1988.*
- **SEVERIN COSTEL**, Calculul Constructiilor Inalte la Actiunea Seismica. *Referat Doctorat nr. 2., Iasi 1989.*
- **SILION R., ALBU GH., SEVERIN C. BUDESCU M.**, A Computer Aided Method for Non-Linear Deviation Correction in Experimental Analysis Using ECAROM 800. *Fourth International Symposium on Tensometry, Brasov, 24-27 Sept. 1986.*
- **NEGOITA AL., IONESCU C., BUDESCU M., SEVERIN C.**, Modele Dinamice in Analiza Seismica a Podurilor. *Proiectarea si Realizarea Podurilor in Regiuni Seismice Simpozion Iasi, 12-13 Dec., 1985.*
- **JERCA ST., AMARIEI C., SEVERIN C.**, Spatial Analysis of Shear Wall Structures. *The 5th Congress of Applied Mechanics, Jadar, May, 1986.*
- **CIONGRADI I., JERCA ST., SEVERIN C.**, A Simplified Method for Dynamic Analysis of Large Dimension Buildings. *The 5th Congress of Applied Mechanics, Jadar, May 1986.*
- **SEVERIN COSTEL**, Contributions Concerning the Behaviour of Buildings Under Same Random Actions (Eathquake and Wind). *Ph. D. Thesis, Jassy 1990.*
- **SEVERIN COSTEL**, Antiseismic Design of Structures Using Artificial Response Spectra. Contributions to the Increase of Efficiency and Safety of Earthquake Resistant Structures", Jassy, 17-18 Sept. 1992.
- **ΖΟΥΛΑΣ Φ., ΣΕΒΕΡΙΝ Κ., ΧΑΡΙΣΗΣ Α.**, Τα Στέγαστρα των Κερκίδων του Παγκρητίου Σταδίου στο Ηράκλειο, Δ' Εθνικό Συνέδριο Μεταλλικών

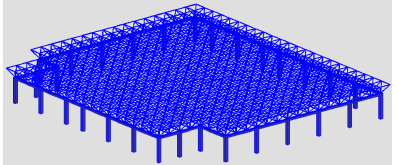

Κατασκευών, Πάτρα, 24-25 Μάιος 2002

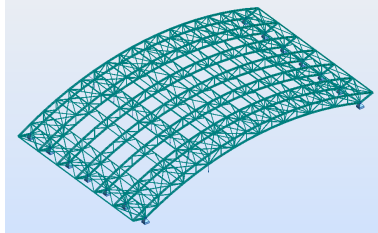
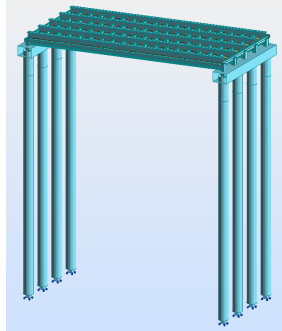
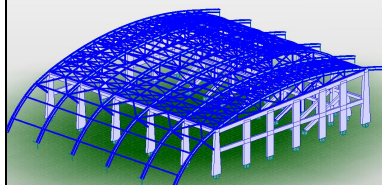

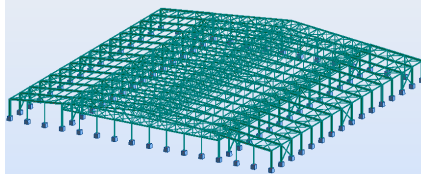
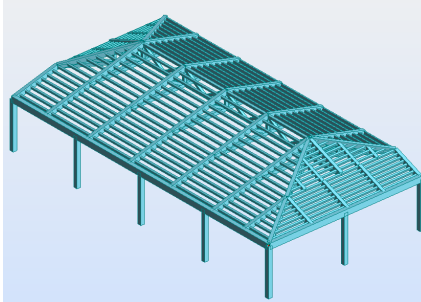
- **P.A.KAKAVAS, C.SEVERIN, O.POLYZOGOPOULOU, N.K.ANIFANTIS**, “Dynamics and seismic stability of ancient monuments using isolation rubber bearing system”, 5th European Conference on Constitutive Models for Rubber, Paris, September 4-7/2007
- **ΚΩΣΤΕΛ ΣΕΒΕΡΙΝ, ΣΤΕΦΑΝΟΣ ΠΑΝΤΟΣ, ΜΑΡΙΑ ΔΑΝΙΗΛ**, Αποκατάσταση Κτιριακού Συγκροτήματος του Εθνικού Θεάτρου Αθηνών, 1ο Εθνικό Διεπιστημονικό Συνέδριο, «ΙΣΤΟΡΙΑ ΤΩΝ ΔΟΜΙΚΩΝ ΚΑΤΑΣΚΕΥΩΝ», Ξάνθη, 29/11-01/12/2007
- **Π.Α.ΚΑΚΑΒΑΣ, ΚΩΣΤΕΛ ΣΕΒΕΡΙΝ, Ν.Κ.ΑΝΥΦΑΝΤΗΣ, Ν.Σ.ΜΠΟΥΜΠΟΥΛΑΣ**, “Δυναμική συμπεριφορά και σεισμική σταθερότητα αρχαίων μνημείων χρησιμοποιώντας συστήματα απομόνωσης ελαστομερικών εφεδράνων”, 1ο Εθνικό Διεπιστημονικό Συνέδριο, «ΙΣΤΟΡΙΑ ΤΩΝ ΔΟΜΙΚΩΝ ΚΑΤΑΣΚΕΥΩΝ», Ξάνθη, 29/11-01/12/2007
- **P.A. KAKAVAS, N. KATHREPTAS, A. ALEXAKI, C. SEVERIN**, “Analysis of an Ancient Roman Bridge Using the Finite element Technique”, 8th National Symposium on the Conservation of Monuments in the Mediterranean Basin – Monument Damage Hazards & Rehabilitation Technologies, 31 May – 2 June 2010, Patra, Greece
- **PANAYIOTIS A. KAKAVAS, DENISE-PENELOPE N. KONTONI, COSTEL SEVERIN, AND NIKOLAOS K. ANIFANTIS**, “Seismic protection of monuments using isolation bearings”, Times New Roman 4th International Conference on Experiments/Process/System Modeling/Simulation/Optimization, 4th IC-EpsMsO, Athens, 6-9 July, 2011, © IC-EpsMsO

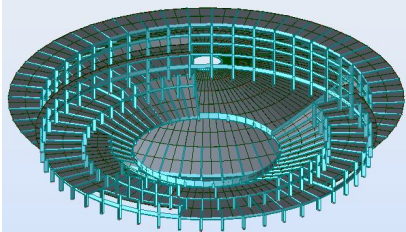


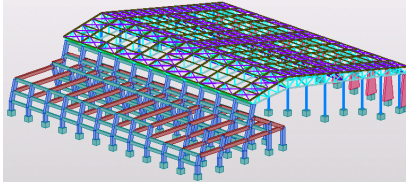
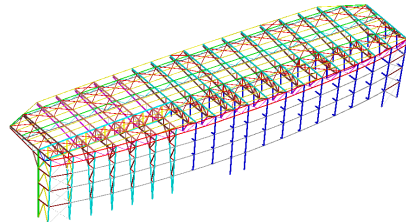
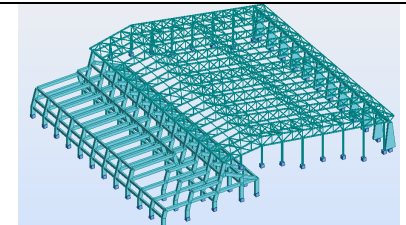
Selection of Most Important Projects

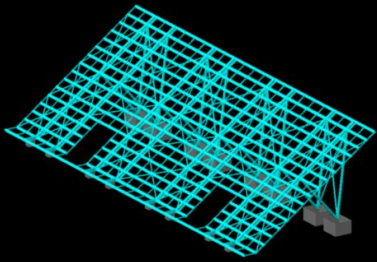
A/A	Description of work	Employer	POSITION	PRESENTATION OF PROJECT
1.	RETROFIT AND REHABILITATION OF NATIONAL THEATER COMPLEX IN ATHENS, 24-26 SAINT CONSTANTINOS STREET (FINAL & DETAIL DESIGN)	THOLOS SA.	Project Manager	
2.	DESIGN OF COVERED SWIMMING POOL ATHLETIC STADIUM IN PYRGOS (FINAL & DETAIL DESIGN)	MUNICIPALITY OF PYRGOS	Project Manager	

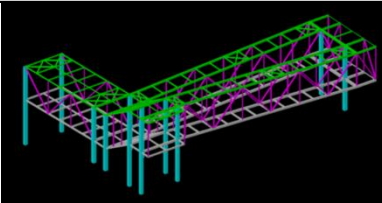
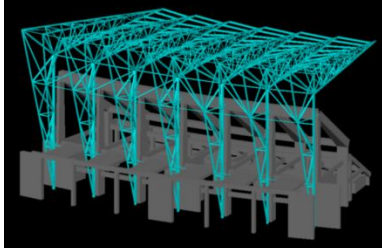
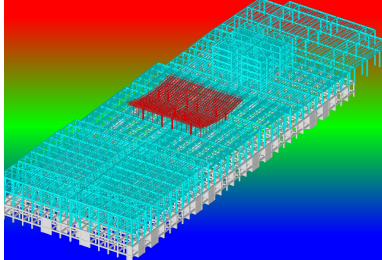

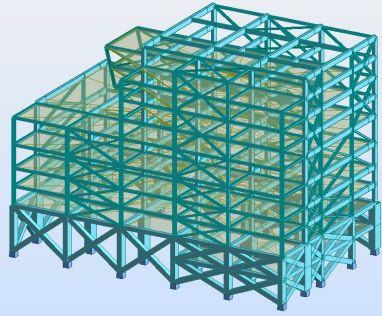

A/A	Description of work	Employer	POSITION	PRESENTATION OF PROJECT
3.	DESIGN OF MUSEUM OF AGRICULTURE TECHNOLOGY TO ALIARTOS – VIOTIA (FINAL DESIGN)	HELLENIC MINISTRY OF RURAL DEVELOPMENT AND FOOD	Project Manager	
4.	SWIMMING ATHLETIC CENTER OF PERISTERI – ATHENS (FINAL DESIGN)	YDRODYNAMIKH AE	Project Manager	
5.	CONSTRUCTION OF AUTOMATIC PARKING STATION (Final and Detail Design)	ASTIKI EPENDUTIKI AE "EASY PARKING"	Project Manager	
6.	CONSTRUCTION OF AN INDUSTRIAL PRODUCTION BUILDING AND ONE OFFICE BUILDING IN BOUCHAREST – ROMANIA (DETAIL DESIGN)	AKTOR ATE	Project Manager	
7.	DESIGN OF COVERED SWIMMING POOL ATHLETIC STADIUM IN LAMIA CITY (FINAL DESIGN)	MUNICIPALITY OF LAMIA	Project Manager	

A/A	Description of work	Employer	POSITION	PRESENTATION OF PROJECT
8.	CLOSED SWIMMING POOL VEROIA CITY (FINAL DESIGN)	MUNICIPALITY OF VEROIA	Project Manager	
9.	OPEN SWIMMING POOL CITY OF ARCHANGELOS (FINAL DESIGN)	MUNICIPALITY OF ARCHANGELOS	Project Manager	
10.	RETROFIT AND RENOVATION OF 1st GYMNASIUM OF SIROS AS A NEW LOCATION FOR AEGEAN UNIVERSITY (FINAL DESIGN)	KTISTOR ATE	Project Manager	
11.	OPEN SWIMMING POOL CITY OF IALISSOS RHODOU (FINAL DESIGN)	MUNICIPALITY OF RHODES	Project Manager	
12.	NEW BUILDINGS FOR TEACHING PURPOSES – NATIONAL TECHNICAL UNIVERSITY OF ATHENS (FINAL & DETAIL DESIGN)	N.T.U.A.	Member of Project Team	
13.	EXTENSION OF EXISTENT COMPLEX BUILDING OF CHEMICAL ENGINEERS NATIONAL TECHNICAL UNIVERSITY OF ATHENS (FINAL DESIGN)	N.T.U.A.	Member of Project Team	
14.	BUILDING OFFICE OF COSTATERRA COMPANY (FINAL & DETAIL DESIGN)	COSTATERRA S.A.	Member of Project Team	



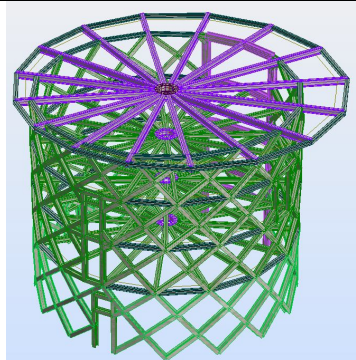
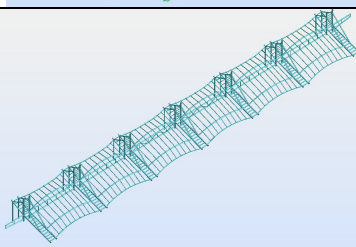

A/A	Description of work	Employer	POSITION	PRESENTATION OF PROJECT
15.	CLOSED SWIMMING POOL IN KILKIS CITY (FINAL DESIGN)	MUNICIPALITY OF KILKIS	Project Manager	
16.	"PEACE AND FRIENDSHIP STADIUM". DESIGN OF TWO COMPOSED (STEEL CONCRETE) BRIDGES INN THE AROUND AREA (FINAL & DETAIL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
17.	NEW GYM OF TECHNICAL UNIVERSITY OF ATHENS (FINAL DESIGN)	N.T.U.A.	Project Manager	
18.	NEW MEAT MARKET OF CITY OF ATHENS (FINAL DESIGN)	PREFECTURE OF ATHENS	Project Manager	
19.	OLYMPIC TRAINING CENTER IN DEKELIA ATTIKIS (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
20.	STEEL SHED OF GAS STATION IN LIOSIA, ATHENS (DETAIL DESIGN)	ELTER S.A.	Project Manager	



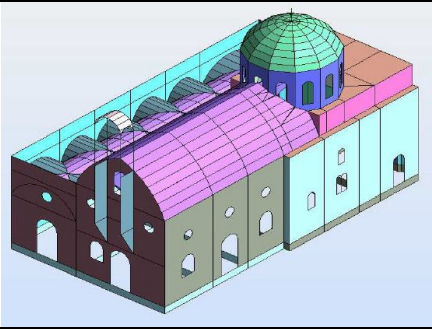
A/A	Description of work	Employer	POSITION	PRESENTATION OF PROJECT
21.	IMPROVEMENT OF "ALEXANDREIO MEGARO" SPORT HALL IN THESSALONIKI (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
22.	IMPROVEMENT OF "PEACE AND FRIENDSHIP" STADIUM IN ATHENS (FINAL & DETAIL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
23.	NEW TEACHING BUILDING OF TECHNICAL INSTITUTE IN HERAKLEION, CRETE (FINAL & DETAIL DESIGN)	TEXNODOMIKI KRITIS	Member of Project Team	
24.	CLOSED ARENA IN POLIXNI, THESSALONIKI (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
25.	IMPROVEMENTS OF OLYMPIC TRAINING CENTERS IN THESSALONIKI (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
26.	CLOSED GYM IN CHANIA, CRETE (FINAL & DETAIL DESIGN)	MUNICIPALITY OF CHANIA, CRETE	Project Manager	

A/A	Description of work	Employer	POSITION	PRESENTATION OF PROJECT
27.	RETROFIT OF "KING GEORGE" HOTEL IN ATHENS (FINAL & DETAIL DESIGN)	KING GEORGE S.A.	Member of Project Team	
28.	INDUSTRIAL PLANT IN GREVENA (FINAL & DETAIL DESIGN)	GEOELLAS A.M.M.A.E.	Member of Project Team	
29.	UPGRADE OF KAFTANZOGLEIO STADIUM, THESSALONIKI (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
30.	NATIONAL STADIUM IN PATRA "PAMPELOPONISSIAKO", UPGRADE WORKS (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
31.	SWIMMING CENTER – OLYMPIC COMPLEX IN ATHENS (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	

A/A	Description of work	Employer	POSITION	PRESENTATION OF PROJECT
32.	OLYMPIC STADIUM IN ATHENS, UPGRADES WORKS (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Member of Project Team	
33.	NEW STADIUM IN VOLOS "PANTHESSALIKO" (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
34.	INTERNATIONAL BROADCASTING CENTER, OLYMPIC GAMES FACILITY (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
35.	OLYMPIC SHOOTING GALLERY CENTER IN MARKOPOULOS, ATTIKI (DETAIL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Member of Project Team	
36.	OLYMPIC MAIN PRESS CENTER IN ATHENS (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
37.	OLYMPIC TENNIS CENTER IN ATHENS (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	

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38.	OLYMPIC PING-PONG AND GYMNASTICS CENTER IN ATHENS (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
39.	CLOSED GYM IN PTOLEMAIDIA, GREECE (FINAL & DETAIL DESIGN)	MUNICIPALITY OF PTOLEMAIDA	Project Manager	
40.	RETROFIT OF MASONRY WALL BUILDING, MUNICIPAL GALLERY OF METAXOURGIO / ATHENS (DETAIL DESIGN)	NATIONAL TECHNICAL UNIVERSITY OF ATHENS	Project Manager	
41.	OLYMPIC GAMES MUSEUM IN ATHENS (FINAL DESIGN)	MICHANIKH A.E.	Project Manager	
42.	VELODROME IN THESSALONIKI (FINAL DESIGN)	GENERAL SECRETARIAT OF SPORTS	Project Manager	
43.	WOOD STRUCTURE FOR ARCHEOLOGICAL SITE IN SISSANIO (FINAL DESIGN)	MINISTRY OF CULTURE	Project Manager	

A/A	Description of work	Employer	POSITION	PRESENTATION OF PROJECT
44.	STUDY AND MANUFACTURE OF COMMERCIAL CENTRE "ACADEMY GARDENS" (PRELIMINARY DESIGN)	ARTUME S.A./ PRUFROCK MANAGEMENT S.A.	Member of Project Team	
45.	"NAVARINO RESORTS – NAVARINO DUNES" MESSINIA TOURISTIC COMPLEX DEVELOPMENT (ROMANOS AREA) (FINAL & DETAIL DESIGN)	TEMES S.A.	Member of Project Team	
46.	DEVELOPMENT of STUDY (Preliminary and Detail Design) the NEW BUILDING INSTALLATIONS OF GENERAL SECRETARIAT OF POLITICAL PROTECTION	INTERNAL MINISTRY, Address of technical services	Member of Project Team	
47.	STRUCTURAL DESIGN OF ATHLETIC CENTER IN ANCIENT OLYMPIA (PRELIMINARY DESIGN)	DISTRICT OF HLIA MUNICIPALITY OF ANCIENT OLYMPIA	Member of Project Team	
48.	WASTE WATER TREATMENT PLANT IJEBU ODE (NIGERIA) (FINAL DESIGN)	EUROCONSTRUCTIONS SA.	Project Manager	

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49.	STRUCTURAL DESIGN OF MUSIC SCHOOL IN SPARTA (FINAL & DETAIL DESIGN)	COUNTRY COUNCIL OF LAKONIA	Member of Project Team	
50.	ELEONAS DEPOT – BUILDING WORKSHOP & REPAIR (DETAIL DESIGN)	TERNA SA	Project Manager	
51.	RETROFIT AND REHABILITATION OF SAINT GEORGE SIKOUSIS CURCH IN CHIOS (FINAL & DETAIL DESIGN)	SAINT GEORGE CHURCH COUNCIL CHIOS	Project Manager	
52.	RETROFIT AND REHABILITATION OF SAINT CONSTANTINONS & HELEN CURCH (FINAL & DETAIL DESIGN)	NIRIKOS SA.	Project Manager	