

SHORT RESUME

of

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Civil & Structural Engineer, Dipl., PhD, EURING
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PERSONAL DETAILS

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EDUCATIONAL BACKGROUND

1995: Diploma in Civil Engineering, Dept. Civil and Agricultural Constructions, CCIA, "Politehnica" University of Timisoara, Timisoara, Romania.
Degree / GPA (8.80 / 10.0)

2000: Ph.D. in Civil Engineering, Steel Structures & Earthquake Mechanics. "Politehnica" University of Timisoara, Timisoara, Romania.
Thesis: "Ductility Problems of Steel Moment Resisting Frames", Supervisor: *Prof. Victor Gioncu*

PROFESSIONAL QUALIFICATIONS

1996: Chartered Professional Engineer of the Technical Chamber of Greece, RN 74227

2001: Certified Technical Consultant of State Funded Projects (RN 15280). Category 8, (Structural), Level B, and Category 13, (Hydraulics), Level A.

2005: Technical expert of Thessaloniki Court, Greece.

2011: Accredited Energy Auditor, RN 17, Ministry of Environment, Energy & Climate Change, GR.

2013: Certified European Engineer, EURING. FEANI, RN 32555.

WORK EXPERIENCE

I have been practicing the profession of the civil / structural engineer with over fifteen years of experience in research, consulting and design of structures. I was involved in different parts and a great variety of issues in the area of civil engineering works. Thus, my experience was distinguished in two directions:

Civil Engineering experience: I have worked in the field of issuance of construction permits collaborating with architects, electrical and mechanical engineers, under the Greek urban jurisdiction. In this way, I was engaged from the early planning phase (preliminary design, develop optimal solutions, final and detailed design) to the management phase of the project (bidding, preparation of technical specifications, constructability check, and project monitoring) and finally to construction supervision.

General experience-engineer of record: more than fifteen construction permits where he was engaged as a general engineer of record responsible not only for supervision, health and safety of the works but also for the whole project administration, (1997-2014). **Energy auditing:** More than 200 energy audits in different buildings as an Energetic Auditor in the framework of the Greek and European Law of energy politics, (2011-present). **Property Valuation activity:** More than 25 property valuations focused mainly on expropriations for private persons and the Greek Public Mortgage Service, Dept. of Thessaloniki (2007-present). A special case handled it was the Land valuation for expropriation (with regard to land, building

and other annexes) in order to be constructed the K16 road junction of the Egnatia Street, at the entrance of the Thessaloniki. The study was performed for the compensation of 159 owners (an area of 149.122,00sqm) according to European valuation standards along with the Greek practices and real estate values (2013-2014). *Expert-witness, claims, disputes*: More than 30 cases handled as a Court's, Greek engineering chamber's or as an independent expert-witness concerning failures in construction technical and managerial, (namely disputes and claims), (2005-present). Some points: (i) As structural court expert investigating the special case with regard to the addition of two storey over a three story old stone-masonry building without building permission. (ii) As an expert witness of Thessaloniki's Court along we investigated the projects in question comparing the contract documents signed by the shareholders (Project Managers-Designers-'Thessaloniki' 97-Cultural Capital of Europe'' / Ministry of Culture) with the design deliverables and reports in order to help the Court to take the decision for a surplus payment of 7.000.000 €, (2010). (iii) As a technical consultant on behalf of the 'Thessaloniki' 97-Cultural Capital of Europe'' / Ministry of Culture he investigated the projects in question drawing up a report in rebuttal to the reports carried out by the other two technical experts representing the Project-Construction Managers against the claims which was raised up to 23.000.000 €, (2011-2012).

Structural Engineering Experience: My areas of expertise focus on the structural design of civil engineering works participating at all stages of the influence of a structural skeleton works, both technically (alternative solutions, optimization, preliminary, final and detailed design) and economic (preliminary cost evaluation of the project, preparation of technical specifications, constructability assessment, control and monitoring of the project).

With special focus on the steel and composite construction, in a variety of projects including different structural systems and schemes (new, rehabilitation, upgrading, etc), only the last ten years, I have designed and estimated costs of more than 400.000m², of which 300.000m² are finished constructions (complex industrial buildings, residential, office, sport areas, rehabilitation using structural steelwork elements etc) with spans ranging from 10 to 50 meters and heights until 30 meters. Some limited experience exists regarding the design of steel-composite small bridges (15-25m).

As far as projects of reinforced concrete are concerned, only the last ten years, I have designed approximately 150.000m², of which 80.000m² involved projects of industrial foundation systems and slabs and the rest involved residential building projects with max. 5 to 8 stories. Design of reinforced concrete tanks with maximum capacity of 1000m³ for different public authorities and other reinforced concrete sewage systems.

The topics of earthquake engineering, (pre-earthquake inspection and assessment, repair and strengthening, use of new materials and techniques), is an important part of engagement providing consulting on many different civil engineering companies (designers, developers, contractors).

Know-how gained in the structural design of photovoltaic panels and other energy projects such as wind turbines acting as a consultant along with the Geodomisi Ltd.

Particular expertise is presented in integrated design of steel and composite structures, rehabilitation of structures by using structural steelwork, especially for the case of traditional buildings, and implementation of new earthquake protection technologies.

Moreover, I have participated in technical consulting services and structural peer reviewing for industrial and building projects constructed to Greece, Cyprus, Romania and other Balkan countries.

Dr. Anastasiadis is also the owner and manager of the ASAnastasiadis & Associates, www.asacon.eu

EDUCATIONAL EXPERIENCE

- Teaching for the academic years of 2006 until 2008 to the "Technological Educational Institute" of Central Macedonia, based on Serres, Greece, (www.teiser.gr), Faculty of Applied Technology, Civil Engineering Department, Laboratory of Reinforced Concrete Structures.
- Certified Lecturer-Trainer of continuing professional education from the Greek National Accreditation Centre for Continuing Vocational Training, RN. 19991.
- Lecturer to different Training Centers for professional continuing education (Enta, Consul, etc) lecturing more than 350 hours on Eurocodes, EC2, EC3, EC8, Greek codes as well as different new technology and constructability issues.
- Visiting Professor for the academic year 2013-2014 to the "Politehnica" University of Timisoara, UPT, Romania, in the Faculty of Architecture, teaching Structural Design of Steel Structures.

SCIENTIFIC EXPERIENCE

- Author of more than 60 papers in conferences, professional and scientific journals in the field of earthquake design of steel and reinforced concrete structures and with about 40 citations of other independent researchers.
- Invited lecturer in seminars regarding the design of steel structures and also problems related to the rehabilitation of reinforced concrete structures.
- Participation in the European research program “*INCO-Copernicus, Reliability of moment resistant connections of steel frames in seismic areas*” with the main target the investigation of seismic behavior of steel structures (1997-1999).
- Participation in the National Program For Rehabilitation of Existing Structures organized by Technical Chamber of Greece and the Ministry of Interior, in the committee of structural index of buildings, (2005-2006).
- Consultant Editor in the Greek Professional Journal for practicing engineers Metallikes Kataskeues (www.metalkat.gr).
- Editorial Member in the journal of Civil Engineering and Construction science of the American Association for Science and Technology (<http://www.aascit.org/journal/about?journalId=920>).
- International Committee Member of the International Conference on Recent Advances in Risk Management, Assessment and Mitigation. Bucharest, Romania, 20-22 April 2010.
- Reviewer to the following Journals: Thin-Walled Structures (Elsevier), Bulletin of Earthquake Engineering (Springer). Accepted in the respective list of reviewers to the Journal of Structural Engineering (ASCE), Engineering Journal (American Institute of Steel Construction) and Journal of Performance of Constructed Facilities (ASCE).

TRAINING COURSES

(A) CPD on Structural Design:

May/2015-December/2015: Engineering CPD seminar on the subject of “ Modern Developments in Offshore Structures”, organized by the Aristotle University of Thessaloniki, Operational programme ‘Education and Lifelong Learning’, under the umbrella of the NSRF 2007-2013 of the E.U. Duration: 150 hours. Grade: 8.5 (Excellent), corresponding to 10 ETCS.

3/Nov/2011-5/Nov/2011: Engineering seminar on the subject of “ The protection of monuments under seismic action”, co-organized by the European Centre on Prevention & Forecasting of Earthquakes of the Council of Europe and Greek Organization of Earthquake Planning and Protection.

9/Feb/2009-13/Feb/2009: Engineering seminar on the subject of “ Masonry structures: Codification-Failures-Rehabilitation”. Technical Chamber of Greece, Central Macedonia. Duration: 30 hours.

07/Dec/2001-08/Dec/2001: Engineering Seminar on the subject of “ Tunnels of Egnatia Odos Project”, Hellenic Committee of Tunnels and Underground Projects.

18/Oct/1999-22/Oct/1999: “Seismic Resistant Steel Structures: Progress and Challenge”, *International Centre for Mechanical Sciences (CISM)*, Udine, Italy, Advanced Professional Training coordinated by Prof. F.M. Mazzolani and V. Gioncu.

(B) CPD on Project Management:

19/Mar/2007-15/June/2007: Engineering Seminar on the subject of “Project Management of Technical Works” organized from Technopolis KEK, sponsored from European Union. Duration: 600 hours.

12/Mar/1997-20/Mar/1997: “Health and Safety of Construction Projects”, Technical Chamber of Greece, Central Macedonia. Duration: 30 hours.

(C) CPD on Valuations:

15/Mar/2010-19/Mar/2010: “Property Valuation Methodologies and Applied Tactics”, Technical Chamber of Greece, Central Macedonia. Duration: 25 hours.

20/01/2010-17/02/2010: “Techniques for Negotiation and Sales”, Commercial & Industrial Chamber of Thessaloniki. Duration: 28 hours.

17/12/2008-21/12/2008: “Spatial and Urban planning”, Technical Chamber of Greece, Central Macedonia. Duration: 25 hours.

LANGUAGES

- Greek: Mother tongue.
- English: Working knowledge. Excellent knowledge of technical terms in writing and speaking.
- Romanian: Fluent writing and speaking.
- Italian: Basic knowledge. Skill to investigate the technical bibliography.
- French: Skills to investigate the technical bibliography.

COMPUTER SKILLS

Operating System: Windows, all versions.

Computer packages: MS Office, all versions.

CAD package: AutoCAD, all versions.

Structural packages: Instant 2000^(steel design), 3DR-Strad 2010^(rc design), BetonExpress^(rc design), Cubus AG Zurich^(steel + rc design+geo), Etabs / SAP/SAFE^(steel+rc design).

MEMBERSHIPS

- Technical Chamber of Greece, T.E.E. RN 74227.
- Greek Association of Civil Engineers, Σ.Π.Μ.Ε., 16095.
- Greek Association of Earthquake Engineering, E.T.A.M.
- Member of the Greek Institute of Valuers, Ελ. Ι.Ε.
- Romanian Association of Structural Designers, AICPS, RN 833.
- Network Member of the International Center for Disaster-Mitigation Engineering (INCEDE).

OTHER PROFESSIONAL ACTIVITIES

- Disciplinary Board Reporter to the Professional Conduct Committee of the Greek Technical Chamber of Greece, Department of Central Macedonia.
- Member of the committee for the competitive bidding of Public work construction, representing the Technical Chamber of Greece, Department of Central Macedonia.

**With respect
to all our clients**

Dr. Anthimos S. ANASTASIADIS