



Eur-Ing George P. Kavvadias

CEng, MIMechE, MCIBSE, PMP

**SENIOR MEP ENGINEER/ENERGY & BUSINESS
CONSULTANT/ENGINEERING AND FINANCIAL CONSULTANT**

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Personal Details:
Born 11/05/1959 • Greek • Male

Unique blend of professional and entrepreneurial experience in building services design, engineering & project management both in consulting as well as EPC contracting domain, coupled with extensive experience in energy, buildings and infrastructure projects. Commercially astute and self-motivated in construction with extensive experience in the management and delivery of mechanical, electrical and plumbing (MEP) packages for global projects. Consultative in educating commercial and design teams on MEP process and procedures, acting as a direct advisor on mechanical technical delivery and planning of MEP installation and commissioning. Effective as a team player and leader with sound judgment, informed decision making and attention to detail in safety and quality assurance. Proven ability to manage the project lifecycle from development phase to final commissioning and handover, consistently meeting technical standards and stakeholder expectations. Credible experience in business consulting, development and management as well as teaching and training.

Key Qualifications and Skills

- Experienced in planning, design, construction and project management (CM/PM), already delivered services for a wide-range of large scale infrastructure and Buildings projects in Greece and abroad.
- Expert and experienced in design for sustainability in buildings, energy saving, energy audits, in addition to acting as a designer/contractor in renewable energy sources projects e.g. solar parks and hydroelectric etc.
- Strategic planner with subject matter expertise in planning, executing and spearheading projects involving contract and site administration and resource planning.
- Analytical thinker, competent in resolving a diverse range of MEP design issues and review MEP related requests for information (RFI) and other technical submissions, such as shop drawings and method statements, amongst others.
- Skilled in developing buildable, economically viable and technically ideal MEP design solutions, considering program specifications, project budgets, change and compliance.
- Efficient in coordination and supervision on site and recognized for executive leadership in complex and challenging environments, using a consultative approach, international business culture combined with engineering background.
- Extensive career-long experience in Middle East with large scale infrastructure to build roads, airports, rail and metro, in addition to commercial and residential building projects.
- Trusted business consultant, experienced in EU-funded project proposals writing and management, business planning, feasibility studies and project financial appraisal.
- Long experience and expertise in Programmes and Technical Operations management. Proven ability and self organised for managing multitasks and business in the same time.
- Strong organization and time management skills.
- Managing People and Team work skills

Career Experience

LEAD PROJECT COORDINATOR – National Cadastre & Mapping Agency **Patras, Greece** **03/23- present**

After scored 100/100 in a public recruitment tender, responsible to organise migration from Property Register to Cadastral system in region of Western Greece (contract job)

FREELANCE FINANCIAL/ACCOUNTING CONSULTANT SERVICES, **Patras, Greece** **02/2022 - Present**

Accredited accountant/financial advisor by Financial Chamber of Greece starting new activity in addition to others.

FREELANCE CONSULTANT/PROJECT MANAGEMENT & ENGINEERING SERVICES, **Patras, Greece** **01/2020 – Present**

Established a consultancy office in Patras, Greece, offering engineering (building services, architectural, structural etc.) and business consultant services for buildings and infrastructure projects such as design review, project documents review, construction supervision, energy projects design, licencing, development and construction management, project feasibility studies, permits and licencing, project management, EU funds financed projects proposal and management.

- Delivered detailed construction supervision and project management services for a range of private property projects.

SENIOR RESIDENT ENGINEER MEP – Saudi Parsons Ltd, Riyadh, KSA **04/2018 – 12/2019**

Assigned to the Riyadh metro package one project at line one to take ownership of mechanical, electrical and plumbing (MEP) management and supervision, including all aspects of the procurement process. Supervised project and construction teams.

- Commanded by management for taking on the role of MEP project manager for Line 1 main stations.
- Supervised the works of the Main Stations managing a Team of 10 MEP Engineers and Inspectors under difficult conditions and pressure.
Communicated in a timely and effective manner with management, his team and the contractor which contributed to overall organizational effectiveness and a positive work environment.
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- Was reviewing all the relevant documents (Shop Drawings, Method Statements, ITPs etc.)
- Successfully completed assigned tasks within deadlines and with a high standard of quality assurance.
- Demonstrated continuous improvement in safety and environmental management through contribution and commitment.

SELF-EMPLOYED ENERGY & BUSINESS CONSULTANT- Patras,Greece

12/2017 – 03/2018

- Engineering and Business Consulting Services

SENIOR MECHANICAL & ELECTRICAL (MEP) ENGINEER, SALFO & Associates SA, Doha, Qatar

07/2015 – 11/2017

Served in a senior capacity which contributed to multiple projects end-to-end to ensure the highest quality of mechanical, electrical and plumbing construction in accordance with project specific costs and schedule requirements. Engaged with clients in meetings and liaised with subcontractors during supervision of MEP construction/installation. Supervised rectification and maintenance of electrical project elements. Evaluated approvals and documentation submitted by contractors for compliance.

- Reviewed MEP drawings, material submittals and design modifications for the Vendome the Place project in Lusail City, valued at USD\$1.3bn (big building complex of 2 Malls and three 5* hotels, high rise towers)
- Oversaw detailed inspection of testing and commissioning phase for NDIA CP67 Project, a landscaping and street lighting project at New Doha International Airport .
- Orchestrated electrical and mechanical materials procurement for the ASHGAIL old airport project and advised senior engineers in construction and installation for other Road Projects with ASHGAIL over a three year period.
- Facilitated senior engineering expertise on the coastguard base in Qatar, including MEP design analysis and detailed construction documentation.

MANAGING PARTNER/DESIGN & CONSTRUCTION PROJECT MANAGER, KSCG Consultants, Greece

11/2006 – today

KSCG is an entrepreneur venture engaged in engineering consultant services as well as EPC contracts of Buildings and Energy Projects in Greece. Managing partner is accredited Designer and Contractor by Greek Ministry of Public Works.

Drove operational excellence as design & construction manager for all projects, including solar plant design, licensing, EPC contracting and energy saving solution design. Produced EU-funded proposals to initiate projects valued up to €5m, leading teams of circa 10 employees, installers and contractors. Conducted comprehensive energy audits for buildings and industry organizations to apply energy certifications. Guaranteed project delivery by spearheading on-site construction activities and resource maximization, resulting in time, budget and quality assurance. Directly consulted on business planning, feasibility studies, procurement, construction design, HVAC installations, tender management and licensing. **Projects included:**

- Licensing and construction of residential buildings covering in total 3000m2 from architectural to static and electromechanical design and supervision, controlling a €3m budget.
- Conceptualized design and development phase of the 1MW PV solar park for Enilion SA, Greece, supervising all aspects of licensing, installation and commissioning.
- Administered a total budget of €400k to improve HVAC and lighting design as well as EPC contracting for outdoor LED lighting for the Olympion Private Clinic in Greece.
- Orchestrated project management of HVAC installations in buildings involving design and EPC contracting for a bespoke, turnkey project valued at €400k.
- Served as EPC contractor on a further turnkey projects to install 200kw PV solar systems on property rooftops, with a total project value of €320k.
- Assigned by Power Green Ltd to design, license and supervise installation of ten PV solar parks 85kW each ,in several Aegean Sea Islands, with a total budget of €1.6m.
- Formulated the comprehensive MEP design to successfully upgrade Kalamata Airport, including terminal buildings and wider field elements.
- Karathanasis Ltd, Achaia Greece, two 100kw PV solar parks, total budget up to €380k including design, development, licensing, commissioning, EPC contracting (turnkey), funding, maintenance contracting, including lighting and fire protection solutions.
- Turnkey EPC contracts for PV solar systems on roof buildings, total installed power 200kw, total cost €320k.
- Ydor Energiaki SA, Achaia Greece, 4.19MW hydro power plant, design (civil engineering works, electromechanical installations, power substation), energy design study, licensing and supervision (total budget €10m).
- Alpha Energy SA, Achaia Greece, 1.76MW hydro power plant, design (civil engineering works, landscape lighting, electromechanical installations, power substation), energy design study, licensing and supervision (total budget €4m).
 - Turnkey EPC project for HVAC installations in Buildings-including design (total budget 400000€).
 - OLYMPION PRIVATE CLINIC, Patras, Greece: HVAC+lighting improvement design & EPC – outdoor LED lighting (budget 400000€).

Key Highlights:

- Won and delivered projects with cumulative value of €5m.
- Executed energy saving –RES projects including design, licensing, contracting, financing, etc.
- Designed and executed solar plants (PV) totaling 5MW.
- Prepared proposals and managed EU funded projects.
- Performed energy auditing and facilitated energy certifications in buildings and industries.
- Consulted on business planning, feasibility studies etc.
- Anchored detailed design and construction of electromechanical projects for buildings (public & private works).

MEP ENGINEER/FREELANCER DESIGN & CONSTRUCTION PROJECT CONSULTANT, Greece 01/1984 – 06/2015 & 01/20-today

Conceptualized construction plans for private and public sector electromechanical projects, including buildings design and infrastructure, design, licencing and supervision of solar parks, windfarms and hydropower plants installations to produce electricity. Selected as EU funded projects evaluation expert. **Accredited by the Greek Ministry of Public Works for MEP design and construction of MEP and energy projects.** Projects include:

- Design and licensing of a €6.5m windfarm (6 MW) in Etoloakarnania, Greece, including first protection and lighting systems, for Ydrolektrika Ergostasia SA.
- Design and licensing of a solar park (100kw) in Ilia, Greece for Solar Works Energy SA with budget management of €£450k, including lighting and fire protection systems.
- Delivered circa 30 industrial design projects end-to-end, including electrical, mechanical, sanitary, fire protection and environmental studies with total permit fees of circa €30k.
- Supervised design phase of ~120 industrial, office and home, multistorey buildings, including associated HVAC, electrical, hydraulic and sanitary installations, valued at €3m.
- Controlled a total budget of €500k to install lighting, heating, sanitary, electrical and fire protection solutions for the Chios Public Hospital project.
- Buildings and Infrastructure Projects Design Review

SENIOR MEP MANAGER, AECOM SA/TPA SA (Joint Venture), Patras, Greece

05/2014 – 06/2015

Based at Patras Port in an MEP construction management capacity to oversee onshore/offshore workstreams relating to infrastructure, electrical and mechanical utilities, sub-stations, potable water, CCTV, electrical power, sewage treatment and street lighting. Captured and analyzed data and communicated effectively throughout the project lifecycle to meet all deliverables. Controlled facilities management, including fire alarms and firefighting solution implementation, HVAC and wastewater treatment, all within a budget of USD\$100m.

- Directed the MEP design and quality plan review as on-site technical advisor and JV representative.

SENIOR MEP MANAGER, AECOM SA/SALFO SA (Joint Venture), Athens, Greece 02/2015-06/2015 in paralell with project Patras Port as above

Facilitated MEP management for the Independent Engineer of a concession project to design, construct and finance the operation, maintenance and exploitation of the Korinthos-Tripoli-Kalamata motorway and Lefktro-Sparti branch in Greece.

- Supervised construction review & approval of E/M designs submitted by EPC contractor for USD \$1bn 'Moreas' project.

PROJECT/PROGRAM MANAGER, DIAXEIRISTIKI OF EUROPEAN PROGRAMS, Patras, Greece

02/2002 - 01/2006

Technical Director -Head of Energy Projects Department. Public funding contract management and project management.

- Supervised and authorised payments for granted investment projects by private entities of the region.
- Served as manager for energy projects department.
- Managed 60 employees , managed budget for energy projects (hydro-wind farms-energy saving in buildings and industry in Greece total budget 90.000.000 euros -under the supervision of Greek ministry of development and Greek ministry of energy
- Served as a project manager and an inspector and executed all projects in the most cost efficient manner.

PROJECT/PROGRAM MANAGER, EFEPE, Athens, Greece

06/1994 - 01/2002

Employed by Greek Ministry of Development for Energy Projects EU Funded Project Management

Head of Energy Projects Department.

Managed around 20 employees , managed budget for energy projects (hydro-wind farms-energy saving in buildings and industry) in Greece of total budget 40.000.000 euros -under the supervision of Greek ministry of development and Greek ministry of energy. Managed many projects also including energy saving in street lighting and in offices.

FREELANCER CONSULTANT TO CONTRACTORS , Ergodynamiki Patron SA, Patras /Temer SA, Crete, Greece 7/2014 – Present

Directly consulted with project management teams in the correct preparation of tender documentation. Administered the contract management process and conducted in-depth design reviews. Engaged with external suppliers for procurement of assets and services to enable execution of various projects, primarily roadworks and buildings. Supervised project phases and coordinated licensing to remain in compliance.

- Fully accountable for all elements of MEP in buildings, electrical networks on roadworks and street lighting.
- Part-Time member of Contractor MEP Construction Teams.

Additional Experience

Freelance Solar Park expert for inspection and Testing and Acceptance Report issuance before Connecting with Public Power Network-certified and accredited by Technical Chamber of Greece

Freelance Certified Energy Auditor, Patras, Greece, 10/2010 – Present

External Expert/Evaluator, Greek Ministry of Energy & Development, Athens, Greece. 10/2014 – Present

Project Manager, Technical Chamber of Greece (TCG). Patras, Greece, 12/2014 – 06/2015

Design & Project Manager, Foivos Ike, Patras, Greece, 12/2013 – 11/2014

Teaching Assistant/PT Assistant Professor Mech Eng, Patras Technological Institute, Patras, Greece, 09/2007 – 06/2010
Teaching & Research Assistant, University of Patras, Greece, 01/2003 – 12/2008
Director of Projects Commissioning Committee, Patras Municipal Water & Sewage Org, Greece, 10/1999 – 01/2001
Engineering Consultant, Ministry of Public Works, Patras, Greece, 01/1994 – 05/1994
Technical Director/Maintenance Manager/Facilities Manager, Lafarge Greece SA Group, 01/1988 – 12/1992
Design Consultant, TEAM MH Ltd, Athens, Greece, 01/1987 – 12/1987

Education

Postgraduate Diploma, Department of Electrical Engineering, University of Patras, Greece

Master's Degree in Business Administration, 2 years MBA (Construction & Project Management), University of Surrey, UK

MSc (Eng) in Advanced Applied Mechanics, Imperial College of Science & Technology, UK

BSc (Eng) Mechanical Engineering, Upper Second Class (Honours), Imperial College of Science & Technology, UK

Licenses & Certifications

Technical Chamber of Greece (TCG), Accredited Mechanical Engineer, Reg. No: 41840

Greek Chamber of Economists, Accredited Economist/Accountant Class B, Reg, No:0134049

Greek Ministry of Energy: Certified Energy Auditor for Buildings, Heating Installations, Cooling Installations, Reg No: 125

Greek Ministry of Public Works: Certified Designer (No: 6092) & Contractor (No.13681) for E/M & Industrial Public Projects

International Thermography Centre (ITC), Certified Thermographer Level 1, No: 2008GR51N002

EUREM (European Energy Manager), Certified in Energy Management

PMP (Project Management Professional) Certification by PMI (No: 2593467)

QATAR MMUP Accredited Mechanical Engineer, Grade A, Reg No: 14721

Chartered Engineer, Engineering Council Reg No: 643856

CIBSE (Chartered Institute of Building Services Engineers), Chartered Building Services Engineer, Membership No: 054305

Saudi Council of Engineers (SCE) Reg No: 410845, Accredited Mechanical Engineer Grade: Consultant

Technical Chamber of Greece (TCG): accredited engineer for commissioning of Renewable Energy Production Plants

Greek Ministry of Public Works :accredited engineer for new buildings permit conformance verification and site inspection

Affiliations

Project Management Institute (PMI), Member No: 2917556

American Society of Mechanical Engineers (ASME), Full Member No: 100779312

Association of Heating Refrigeration and Cooling Engineers USA (ASHRAE), Full Member No: 8073463

Greek Association of Mechanical/Electrical Engineers

Institution of Mechanical Engineers, UK, CEng – IMechE Member No: 80335051

Eur-Ing, FEANI Reg No: 33418

CIOB (Chartered Institute of Buildings) Membership No. 2078947

Greek Union of Small Hydropower Energy Projects, Member

Greek Chamber of Economists, Membership No. 0098879

Languages

Greek (mother tongue), English (fluent), German (intermediate)

Computer Skills

Proficient use of Microsoft Office (Excel, Word, Power Point, Microsoft Project), AUTOCAD, MEP Design software, ACONEX and PVSyst 7.2

Publications

“The effect of public subsidy for energy projects to the country employment & environmental pollution improvement” (Prof. A. Safacas, G. Kavadias), Technical Chamber of Greece Energy Congress, Athens, 2007

SEMINARS / HONORS

- **REAL ESTATE MANAGEMENT -UNIVERSITY OF ATHENS:** Training Course ,6 months,178 hours,exams passed May 2023,certificate awarded
- PMP Training course in Applied Project Management,40 Hrs,Sept.16-Nov.16,Doha,Qatar.
- Certified training course in energy inspection of buildings+Heating Systems+Airconditioning Systems (200 hrs), 2012
- **EUREM** ,120 teaching units 6 months course in energy saving and management ,Included Energy saving and management in Lighting (German chamber +centre of res), 2010
- Institute of Training-Technical Chamber of Greece- ATHENS-40 HOURS course in Solar Heating Systems, 2009

- Infrared Training Center-Athens-5 days course in LEVEL I-Thermography-Certified as a Level I Thermographer –No 2008GR51N002, 2008
 - CRES (Centre for Renewable Energy Sources)-Athens,21 Hours course, "Renewable Energy Sources in Buildings", 2008
 - Institute of Training-Technical Chamber of Greece- ATHENS-20 HOURS-Design Methodology for PV Plants-Project Financial Appraisal, 2007
 - Institute of Training-Technical Chamber of Greece- ATHENS-20 HOURS course-Energy Saving Guide for Buildings, Hotels, Industries and Sports Centers, 2007
 - Institute of Training-Technical Chamber of Greece- ATHENS-20 HOURS-Techniques and Instruments for Energy Audit in Buildings and Industry, 2007
 - Institute of Training-Technical Chamber of Greece- ATHENS-20 HOURS-Financial Evaluation of Energy saving Projects, 2006
 - Institute of Training-Technical Chamber of Greece- ATHENS-20 HOURS –Energy saving and building certification(EEC Directive 2002/91), 2006
 - IENE,Athens,12th Energy and Development Conference 2007(14-16/11/07), 2007
 - IENE,Athens,11th Energy and Development Conference 2006(14-16/11/06)
 - Energy tech 2006-Energy Conference(Athens 23-26/11/06)
 - International Conference on electrical machines(ICEM2006), Xania Greece (2/9/-5/9/06)
 - EWEA-European Wind Energy Conference, Athens(27/2-2/3/06)
 - CIGRE International Congress in Athens(15,16/12/05)
 - 3d National Conference on Renewable Energy Sources(RES) applications (23-25/2/05)
 - 1st International Conference in Athens(Greek Union of Mech and Electrical Engineers) 28-30/3/05
 - 2 days congress in Athens (CRES) –energy saving in buildings, 2004
 - 2 days energy Conference in Athens –organized by Energy magazine in October 2002
 - International Energy Conference Athens-3 days in June –organized by Greek union of Mech and Electrical Engineers, 2002
 - 20 hours training course organized by Greek Union of Mech and Electrical Engineers in the field of Wind energy and Hydropower Energy plants design and development, 2000
 - 120 hours training by SHL –England in Personell Recruitment and selection, using SHL psychometric testing, 1996
 - 12 hours seminar in time management(in company), 1995
 - 72 hours seminar in business planning-ARTHUR ANDERSEN, 1995
 - 30 hours seminar in Personell Selection-in company, 1994
 - 100 hours seminar organized by Ministry of education and University of Patras in CNC Machines. 1993
 - 40 hours seminar in Lighting-Philips ,1993
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