

CV



Name: Emmanouil (Manolis)
Surname: Konstantinidis
Profession: Mechanical Engineer
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Date of Birth: 17.03.1973
Marital Status: Married

Education:

- 03.2010- PhD candidate "Viability of wind farms and optimization of their availability and reliability through design out maintenance procedures", Democritus University of Thrace, Dept. of Production and Management Engineering
- 10.1997-07.1999 Karlsruhe Institute of Technology (Germany), department of Chemical Engineering, postgraduate studies in "Combustion Processes Engineering". Thesis: Research on the behavior of the expansion of the combustion front stationary and turbulent methane-air mixtures in a closed cylindrical vessel
- 10.1990-11.1996 Aristotle University of Thessaloniki, department of Mechanical Engineering. Thesis: Heat treatment of steel DIN 1.3333

Work Experience:

- 10.2010- Administrative division of the East Macedonia and Thrace Region, Regional Unit of Kavala, Department of Development, Sector of Energy, Industry and Natural Resources. Licensing and inspection of

industries to ensure the application of legal requirements and approved technical specifications (Sectors: chemical, oil & gas, aluminum, machining, marmor & stone, cement, tobacco, food). Safety assurance and implementation of environmental requirements regarding the operation and maintenance of industry and energy units. Auditing of industries to ensure the application of European Directives ("Seveso", pressure equipment, lifting equipment etc). Indicative industries: ELFE S.A., CORAL S.A., KAVALA OIL, THERMOPLASTIKI S.A., AKROLITHOS S.A., MACPAC S.A., MAKEDONIKA MARMARA S.A., CARBOKAL S.A., KEBE S.A. AFI HATZIVARITI S.A., VOUGIOUKLIS S.A., LAFARGE S.A., MISSIRIAN S.A., GOUSTERA S.A., KREKA S.A. etc

08.2007-09.2010

Prefecture of Xanthi, Department of Development, Sector of Energy, Industry and Natural Resources. Licensing and inspection of industries to ensure the application of legal requirements and approved technical specifications (Sectors: chemical, oil & gas, aluminum, casting, machining, marmor, wood, food). Safety assurance and implementation of environmental requirements regarding the operation and maintenance of industry and energy units. Auditing of industries to ensure the application of European Directives ("Seveso", pressure equipment, lifting equipment etc). Indicative industries: LEON GAS, ELINOIL S.A., COCO-MAT S.A., ALUMIL S.A., SEKAP S.A., THRACE GROUP S.A., GMC S.A., DIANA S.A., KALLONI S.A. etc

04.2001 - 07.2007

E.K.M.E. S.A. Technical and Industrial Company

02.2004 - 07.2007

Quality Assurance/Quality Control Manager of EKME S.A. (in Thessaloniki Head Office)

Indicative Projects:

Vestas S.A.: Manufacturing of towers V90-3MW for wind turbines / Merichem-Hellenic Petroleum (HEL.PE.) S.A. Elefsis Complex:

Design and Fabrication of MCRS Technology Modules / Vergaengineering Srl -Hellenic Petroleum (HEL.PE.) S.A. Thessaloniki (EKO) Refinery: Construction of APH System for Furnace F-101, Aspropyrgos Refinery: Construction of APH System for Furnaces L4601, L4602, L2102 / DEPA S.A. (PUBLIC Gas Corporation): Installation of 32 km MP (19bar) Natural Gas pipeline in greater Drama area / PPC S.A. (Public Power Corporation) Lavrion Unit V Combined Cycle Power Plant: Prefabrication and erection of pipes / J&P-Total-Fina-Elf Project Mabruk Phase 4 (Libya): Prefabrication of tanks-El Sahara (NC-115) Development Project (Libya): Zawia terminal FW Tank / Vestas S.A.: Manufacturing of towers V52-0,85MW for wind turbines / Pavlides Ltd: Prefabrication and erection of silos and their steel structure for a lime plant / Vitumina S.A.: Prefabrication and erection of new fuel facilities in N. Anhialos, Thessaloniki / Technip Italy-Motor Oil Hellas S.A. Refinery Expansion 2005: Manufacturing of distillation columns, heat-exchangers & tanks / Foster Wheeler Italy-HEL.PE. S.A. Aspropyrgos Refinery: FCC Revamping Project Unit 4100: Manufacturing of tower (splitter) and a new regenerator top head etc.

04.2002 - 02.2004

Superintended Engineer in E.K.M.E. S.A (Kavala Department)

Indicative Projects:

HEL.PE. S.A. Thessaloniki (EKO) Refinery: Prefabrication of pressure vessels for ULSADO unit / PPC S.A.-Athina S.A.: Atherinolakkos 2X50 MW Steam Power Plant: Prefabrication of storage tanks and pressure vessels / Kavala Oil S.A.: Biennial maintenance (Shut Down) of on-shore plant (Claus Unit) / Hatzilouka's S.A.: fabrication of stainless steel tank for phenol service / P.F.I. S.A. (Phosphoric Fertilizers Industry): Fabrication of stainless steel vessel for neutralization of acid mixture (PN) - Site Manager in the project: Installation of piping for the New Filter of Phosphoric Acid

Unit / Flour Mills of Nigeria S.A.-METKA S.A.: Fabrication of flour Silos and cement Hoppers / TITAN S.A.: Manufacturing of equipment for the new Klinger Unit in Thessaloniki / HEL.PE. S.A. Aspropyrgos Refinery-METKA S.A.: Fabrication of pressure vessels for TAME Unit etc.

06.2001 - 04.2002

Site Manager in the project of Public Power Corporation S.A. "Erection of Komotini Combined Cycle Power Plant with total output 476MW" [Installation of Nitrogen, Dosing, Sampling systems (piping and equipment), installation of bracings in Boilers 1&2, erection of Bridge cranes and monorails].

2002 - 2004

Safety Engineer for E.K.M.E. S.A. in Kavala Department.

09.1999 - 03.2001

Military service

05.1999 - 08.1999

Associate Engineer in Elco-Kloeckner Heiztechnik GmbH (Germany) Department: "Research and Development of Burners".

06.1998 - 08.1998

Associate Engineer in EnBW Badenwerk A.G. (Germany) Department: "Design and Construction of Power Plants".

08.1997

Associate Engineer in Phosphoric Fertilizers Industry (P.F.I. S.A.) in Construction Department.

Teaching Experience

2009-2013

Technological and Educational Institute of East Macedonia and Thrace, Department of Mechanical Engineering
Course: "Industrial Installations"

Participation in International Conferences:

2010

1) "The Seventh International Conference on Condition Monitoring and Machinery Failure Prevention Technologies", CM 2010 and MFPT 2010 22-24 June 2010, Ettington Chase, Stratford-upon-Avon, England "Wind

turbine maintenance optimization - A holistic approach" by Pantelis Botsaris and **Emmanouil Konstantinidis**

- 2011 2) "4th International Scientific Conference on Energy and Climate Change", 13-14 October 2011 Athens, Greece "Feasibility study of offshore wind turbine installation in North Aegean - Thracian Sea" by P.N. Botsaris and **E.I. Konstantinidis**
- 2012 3) "EUROMAINTENANCE 2012 - 21st European Congress on Maintenance and Asset Management", 14-16 May 2012, Belgrade, Serbia: "Systemic assessment and analysis of factors affecting the reliability of a wind turbine" by P.N. Botsaris, **E.I. Konstantinidis** and D. Pitsa
- 2013 4) "5th International Congress of Energy and Environment Engineering and Management" (CIEM), 17-19 July 2013, Lisbon, Portugal: "Feasibility study of offshore wind farms installation within the Greek Exclusive Economic Zone" by **E.I. Konstantinidis**, D.G. Kompolias and P.N. Botsaris
- 2014 5) "Maintenance Performance Measurement and Management" (MPMM), 4 & 5 September 2014, Coimbra, Portugal: "Reliability Analysis on Crucial Subsystems of a Wind Turbine through FTA Approach" by S. Katsavounis, N. Patsianis, **E.I. Konstantinidis** and P.N. Botsaris
- 6) "7th International Scientific Conference on Energy and Climate Change", 8-10 October 2014, Athens, Greece "Economic analysis of an offshore wind farm near Samothraki island" by **E.I. Konstantinidis**, D.G. Kompolias and P.N. Botsaris

Publications in peer-reviewed Journals:

- 1) P.N. Botsaris, **E.I. Konstantinidis**, D. Pitsa "Systemic assessment and analysis of factors affecting the reliability of a wind

turbine”, Journal of Applied Engineering Science, IIPP, Vol. 10, No 2 (2012).

2) **E.I. Konstantinidis**, D.G. Kompolias, P.N. Botsaris “Viability analysis of an offshore wind farm in North Aegean Sea, Greece”, Journal of Renewable and Sustainable Energy, AIP, Vol. 6, 023116 (2014).

Monograph:

“Routing the operation and maintenance requirements of wind turbines” by P.N. Botsaris and **E.I. Konstantinidis**, (2013, 30 pages), within the framework of the program “MainCODE/ Maintenance and Life Cycle Asset Management, the Cornerstones for Sustainable Development”, European Territorial Cooperation Program, Greece-Bulgaria 2007-2013

Languages:

Greek (mother language)
German (good)
English (good)

Activities:

Member of the Technical Chamber of Greece, member of the German Society of Engineers (VDI), sailing (member of Nautical Club of Kavala), aikido

References:

References are available on request