


Curriculum vitae


PERSONAL INFORMATION **Efstathia Kolentini Argyri**

Chemical Engineer, NTUA
PhD Electrical engineering, NTUA

Renewable Systems, Energy Market, Storage Systems

 Sxinius Athens, Greece

 +30 6948177716

 tk1emp@yahoo.gr

Sex Female | Date of birth 02.05.1981 | Nationality Greek

WORK EXPERIENCE

SECTORS: RENEWABLE ENERGY SYSTEMS (PHOTOVOLTAIC – STORAGE SYSTEMS AND GRID INTEGRATION), ENERGY MARKET, CO2 MARKET, VIRTUAL POWER PLANTS

2017-Today

EAR Developer

Sector: Smart Grids, Renewable Energy Systems, Energy Efficiency, Financial Studies

Indicative projects:

2018 Energy platform and models creation for provision of online renewable services (i.e. PV Park predictions etc.) Skysolar Group

2016-2017

Independent Technical Services

Sector: Smart Grids, Renewable Energy Systems, Energy Efficiency, Financial Studies

Indicative projects:

2016 PV roof system for factory, Metamorfosh Area, study and construction

2017 Energy efficiency (Electrical-Heat) study and construction management, Agios Iwannhs Kalivitis Church, Avlida

2017 Energy efficiency (Electrical-Heat) study and construction management, Prophet Ilias, Rizopoli

- 2012-2015 **TECHNICAL DIRECTOR– CONSULTANT for Plus Energy LAB**
Sector: Smart Grids, Renewable Energy Systems, Energy Efficiency, Financial Studies
Indicative projects:
- 2012 Enable Project, Smart Grid and Energy Autonomous Block of Buildings
2014 Cooperation with Kafkas S.A (National Top Selling Supplier of electrical equipment, Member of Fegime European group) for Energy Consultancy Services
2014 EU Proposal submission for H2020 SME Instrument, topic: CO2 market reformation
2014 PPC S.A. Project Preparation, Energy Market Reformation-Cooperation with Danos S.A
- 2012-2014 **TECHNICAL DIRECTOR – CONSULTANT for PV Construction Companies (Stameli S.A., GK Energy, TRISILION COMPANY)**
Sector: Photovoltaic Systems, Energy Efficiency, Financial Studies
Indicative projects:
- 2013 ReConstruction - Installation Study, Technical / Construction Management of PV Park, 500 kW, Karditsa
2013 ReConstruction - Installation Study, Technical / Construction Management of PV Park, 500 kW, Kalivia, Attica Region.
2013 PreInstallation Study of PV-Wind-Storage System (On grid – Off grid) for Marmoline Industrial Buildings, 500 kW, Oropos, Attica Region
- 2009-2014 **EVILION SYSTEMS FOUNDER (Photovoltaic construction company)**
Evilion Systems, www.evilionssystems.gr , 85 Vouliagmenis Ave, Athens, Greece
Financial and Management Director. Construction Manager - PV Designer. Coordination of

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multiple projects and coordination of works on the field. Subcontracts of large scale PV Park projects

Sector: Photovoltaic Systems, Energy Autonomous Systems, Financial Studies

Indicative projects:

2009 Study and licensing of PV Park, 400 kW, Argolis

2011 Study and Installation Management of PV Parks, 2.3 MW in total in Kavala, Orestiada, Ioannina

2011 Installation Study – Construction Management of PV Park, 100KW, Pylos (Solar trackers)

2011 Study of PV systems with total capacity of 2 MW in the Attica region

2010-11 Installation Study and Construction Management of residential PV systems up to 10kW,

total capacity of 110 kW, Attica - Messinia (Elliniko, Maroussi, Gerakas, Kalyvia, Lagonisi, Elefsis, Kiparissia, Filiatra, Agrilis, Gargaliani, Pylos)

2011 Installation Study and Construction Management of commercial PV systems, total capacity of 30 kW, Attica(Vari)

2012 Installation Study for PV Park, 500 kW, Orestiada

2012 Installation Study – Construction Management for PV Park, 500 kW, Kavala (rooftop system)

2012 EU Project preparation with PPC S.A. for energy smart grid construction.

2007-2012

Renewable Energy Systems ENGINEER-RESEARCHER

National Technical University of Athens, School of Electrical and Computer Engineering (ECE NTUA), Electric Energy Systems Laboratory, Zografou, Athens, Greece

RES Engineer, Researcher. EU Projects Technical –Financial Manager. Coordination of multiple projects.

Sector: Renewable Systems, Energy Market, CO2 market, Financial Studies

Indicative projects:

2007-2008 EU Project EUDEEP, “The birth of a European Distributed EnErgy Partnership that will help the large-scale implementation of distributed energy resources in Europe”, Technical Participation. Total Project Budget: 30 M €

2007-2011 EU Project DERLab, “Network of DER Laboratories and Pre-Standardisation”, Project Management / Technical Participation. Total Project Budget: 4 M €

2007-2008 EU Project Stories, “Addressing barriers to storage technologies for increasing the penetration of intermittent energy sources”, Technical Participation. Total Project Budget: 500.000 €

2007 National Project of Germanos-Sunlight, “Design and Development for monitoring and control of hybrid system”, Technical Participation. Total Project Budget: 100.000 €

2007 EU Project More Microgrids, “Advanced Architectures and Control Concepts for Microgrids”, Technical Participation

2009-2011 EU Project SEESGEN-ICT, “Supporting Energy Efficiency in Smart Generation Grids through ICT”, Project Management / Technical Participation. Total Project Budget: 500.000 €

2008-2011 EU Project DERRI, “Distributed Energy Resources Research Infrastructure-Contract”. Project Management / Technical Participation. Total Project Budget: 10 M €

- 2008-2010 **FOUNDER CONSULTANT – ICCS / NTUA MANAGER of EU Organisation DERlab.**
 DERlab seat: Germany.
FOUNDER CONSULTANT – MANAGER of EU Organisation EUROVR.
 EUROVR seat: Brussels
- 2008 Consultant / Organization Services for the foundation of the EU Association “DERlab”. ICCS-NTUA Delegate for the Operation Management. DERlab is an Association of Distributed Energy Resources laboratories focusing on grid integration / services (like inverter testing, PV outdoor testing, EMC compatibility) and DER consultancy. 11 Labs from industry, research institutes and universities were founding members
- 2008-2010 Consultant / Manager / Operation - Organization Services for the foundation of the EU Association “EUROVR” and the first year of operation. EUROVR is an Association that comprises of Industry, Academia, Research Institutes, SMEs and Individuals in the field of VR-AR-MR. 52 founding members.
- 2005-2007 **PV ENGINEER-RESEARCHER**
 Center of Renewable Energy Sources (CRES), PV Department, Pikermi, Athens, Greece
 PV Engineer, Researcher. EU Projects participation. Main objectives of research were photovoltaic system modeling, microgrid simulation and battery control
 Sector: Photovoltaic Systems
 Indicative Projects:
 2006-2007 EU Project EUDEEP, “The birth of a European Distributed EnErgy Partnership that will help the large-scale implementation of distributed energy resources in Europe”,
 Technical Participation
 2006-2007 EU Project DERlab, “Network of DER Laboratories and Pre-Standardisation”, Technical Participation.
- 1999-2005 **Maths, Physics, Chemistry Teacher**
 Preparation of students for the University examinations

EDUCATION AND TRAINING

- 2006 Phd Candidate, “PV integration in Electricity Market”
 Cooperation of National Technical University of Athens (School of Electrical and Computer Engineering, School of Chemical Engineering) and CRES (Centre of Renewable Energy Systems)
- 1999-2005 Chemical Engineer, National Technical University of Athens
- 1999 Senior high graduate
- 2009 Proficiency in English
- 1996 Lower in English
- 1995 Delf A1,A2,A3,A4 in French

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PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)	UNDERSTANDING	SPEAKING	WRITING
English	Proficient user	Proficient user	Proficient user
French	Basic User	Basic User	Basic User

Communication skills Good communication skills cultivated through experience as engineer in European Projects, EU Organizations. For energy market activities, from licensing to installation, constant interaction with a variety of people, organizations, EPC companies, suppliers, subcontractors, workers. Ability to analyze, explain concepts, and communicate them. Communication skills were also exercised through teaching.

Organisational / managerial skills Leadership. Both EU Organizations setup demanded proactive and inspiring behaviour. The challenge was to compromise different interests. EU Projects demanded abilities to organize and motivate contributors from other countries – cultures. Construction projects demanded abilities to manage simultaneously materials flow, machines flow, work planning, workers organization – supervision, interaction with Inspection /Certification Organizations.

Job-related skills Team spirit and ability to inspire team work. Command abilities, quality control processes, sharpened through supervision for PV parks projects.

Computer skills MS Office, VBA, Matlab, Autocad, GAMS, PV Syst

ADDITIONAL INFORMATION

Publications
Conferences
Seminars

- *E Kolentini, A Neris, C Protogeropoulos, "Utilisation of Storage for the provision of local ancillary services in low voltage feeders with substantial PV penetration", International Conference "Energy Autonomy through the Storage of Renewable Energies", Germany, 2006*
- *E Kolentini, N Hatziargyriou: Estimating the limit of the emission allowances in every day's electric power production. 3rd International Conference on Integration of Renewable and Distributed Energy Resources, Nice 2008*
- *E Kolentini, N Hatziargyriou: Developing a Matlab tool while exploiting Neural Networks for combined prediction of hour's ahead system load along with irradiation, to estimate the system load covered by PV integrated systems. IEEE International Conference, Capri 2009*
- *E Kolentini: Integration of RES, with focus on PVs, in the energy market. DERlab Academic seminar, Athens 2009*
- *A Krusteva, T Degner, J Mutale, E Kolentini, I Wasiak: Network of Excellence DERlab Activities for transition towards more decentralized Energy Systems. Energy Forum 2009*
- *S Tselepis, E Lemaire, P Nørgård, P Mora, E Kolentini, E Zabala, M Stifter, T Degner: Grid integration issues for EVs / PHEVs: the DERlab approach, European Conference Smart Grids and Mobility, 2009*
- *J E Rodríguez, F Gafaro, I Wasiak, P Gburczyk, E Kolentini, WH Siew, B Bletterie: Electromagnetic Compatibility for Distributed Energy Resources, 2011*
- *E Lemaire, N Martin, P Nørgård, Ede Jong, Rde Graaf, J Groenewegen, E Kolentini, S Tselepis: European White Book on Grid-Connected Storage, 2011*
- *E Kolentini, F Cucchietti: Footprint of ICT elements and networks in the home and - reducing GHG emission. International Telecommunication Union (ITU) Workshop "Moving to a Green Economy through ICT Standards", Rome 2011*
- *S. Skarvelis-Kazakos, E. Rikos, E. Kolentini, L.M. Cipcigan, N. Jenkins, "Implementing agent-based emissions trading for controlling Virtual Power Plant emissions", Electric Power Systems Research, 2012*
- *E Kolentini: PV integration in Residential sector, Passive Houses seminar, Thessaloniki 2012*
- *E Kolentini, E Paraskevadaki: Inclusion of LV/MV consumers in Emission Trading Scheme, CIRED 2013*

Invited Speaker

- *E Kolentini, F Cucchietti: Footprint of ICT elements and networks in the home and - reducing GHG emission. International Telecommunication Union (ITU) Workshop "Moving to a Green Economy through ICT Standards", Rome 2011*
- *E Kolentini: PV integration in Residential sector, Passive Houses Seminar, Thessaloniki 2012*