

ANNEX TO Dr. Ioannis Tsipouridis CV

Technical skills and competences

As PPC renewables engineer during from 1984 to 2007 he was involved:

- (1) He was member of the team that was involved in the operation, maintenance and continuous improvement of the first Hybrid station on Kythnos island Greece in the early '80s, comprising of (1) 5X15kW wind turbines (Europe's first ever wind park), later to be replaced by 5X20kW wind turbines and later on by the installation of a 500kW Wind turbine incorporation a fly wheel for short term energy storage. (2) 100kW PV station (3) Battery array (4) Local diesel station
- ❖ Design of PPC's Regional R.E.S. Development Programme (R&D, Demo, Commercial Projects); Implementation / Management of the programme in the framework of EC Programmes: HORS Quota, VALOREN, Mediterranean Integrated Programmes; Technical & Commercial specifications drafting; Public Tender documents' preparation; Tenders' evaluation; Contract negotiations; Supervision of implementation and Reporting to the EC.
- ❖ Preparation and management of R&D Projects for EC Programmes: Demonstration, THERMIE, JOULE, APAS; negotiations with EU partners; Preparation of Consortium Agreements; Management & Reporting, Evaluation, Auditing of R&D Proposals of DGXVII and DGXII.
- ❖ Management of PPC's infrastructure projects for R.E.S.: Preparation, Contracting, Coordination of transport, installation, erection, commissioning; Financial management – reporting - auditing.
- ❖ Environmental Impact Assessment and Evaluation of PPC's projects.
- ❖ Investment analysis and Financial Evaluation of PPC's projects.
- ❖ Good knowledge of EU and Greek licensing procedures and regulations.
- ❖ Exploitation of current and future opportunities in the renewable energy sector in Greece, Europe and Sub Saharan Africa.
- ❖ Development of regional & national energy strategies, ensuring economic viability of renewable energy projects and compliance with Climate targets.
- ❖ Review of markets, investment profiles, risks and implications of renewable energy projects with emphasis in Greece and Africa.
- ❖ Identifying solutions to minimize investment risks and manage their financial implications in Greece and Africa.
- ❖ Development, review and refinement of business strategies, monitoring of action plans and exploration of emerging strategic issues within the framework of the company's / organization's governance, risk and compliance.

As a Renewables Engineer at PPC from 1984 and later CEO of PPC Renewables from Feb 2010 to Feb 2013 he was involved in the planning design and implementation of numerous small, medium and large size renewables projects, involving wind, solar, geothermal and biomass, too numerous to include in a c.v.

The most prestigious projects among them were:

- ❖ Ikaria Wind Hydro Hybrid pumped storage project (in operation)
- ❖ 25 MW Biomass plant in Ptolemaida NW Greece
- ❖ 200 MW PV plant in Ptolemaida N.W. Greece
- ❖ 50 MW PV plant in Megalopoli Peloponnese
- ❖ 200 MW in Rodopi Thrace
- ❖ 115 MW in Andros island
- ❖ 1.400 MW Offshore Wind park in the Aegean

Membership of professional bodies

- ❖ Global Wind Energy Council GWEC as Chairman of HWEA
- ❖ Wind Europe member as Chairman of HWEA
- ❖ European Wind Energy Association (EWEA): Council Member 1989-94, Vice-president 1994-1997, 2002-2010
- ❖ Centre for Renewable Energy Sources of Greece (CRES): Member of the Board. 2010-2013.
- ❖ Hellenic Wind Energy Association (HWEA): Founding member 1990; Board member from 1991 to 2017; General Secretary 1997–2001; Vice President 2001–2003 & 2010-2013 President 2003-2010 & 2013-2017.
- ❖ Member of the British Wind Energy Association (B.W.E.A.) 1988-1994.
- ❖ Technical Chamber of Greece.
- ❖ Association of Chemical Engineers of Greece.
- ❖ Association of PPC's engineers of Greece.

Publications of articles & studies

- ❖ Journal of Solar Energy, 1979 and 1981
- ❖ DG XVII annual publications "Demonstration Projects".
- ❖ Editor of "Arki 25 KW_p Photovoltaic Plant Demonstration Project SE/404/83, Final Report", "Antikythira 25 KW_p Photovoltaic Plant, Demonstration Project SE/314/83, Final Report", "Gavdos 20 KW_p Photovoltaic Plant, Demonstration Project SE/313/83, Final Report", "Mykonos 100KW Wind Turbine, Demonstration Project WE/370/83, Final Report", "Karpathos 175 KW Wind Turbine, Demonstration Project WE/403/83, Final Report"
- ❖ EWEA Horizontal Action Report on Legislation and Procedures for RES development in Europe; EWEA Workshop publication Wind Energy Development and Environment.
- ❖ Papers in EWEA Conference Proceedings: 3rd Conference, Glasgow, 1989; 4th Conference, Amsterdam. 1991;
- ❖ Editor of EWEA Conference Proceedings : 5th EWEC Conference, Thessaloniki, 1994.
- ❖ Reports, Proposals and Planning for inter-departmental use or for other Greek agencies, individuals and media on the general subjects of: "Wind Energy Contribution in the Energy Balance in Greece" and "Strategic Plan for RES development in Greece".
- ❖ Numerous lead articles in the national press
- ❖ Numerous presentations in workshops and conferences nationally and internationally

Social and Organisational skills and competences

- ❖ Organiser of social events for the promotion of renewable energy sources (painting, logo, slogan and photo contests and exhibitions) Global Wind day events (visits to wind parks, 5X5 soccer tournament, children corners)
- ❖ Organiser of annual bond strengthening receptions for wind energy sector members
- ❖ In charge of the organisation of the "5th European Wind Energy Association Conference and Exhibition" .
- ❖ Organiser of HWEA's Workshops on "Wind Energy Development & Applications" in December 2002, October 2004, March 2007, February 2008, October 2013, April 2014, March 2017.
- ❖ Co-organiser of European Wind Energy Association Conference and Exhibition EWEC'2006 held in Athens in February/March 2006.
- ❖ Organiser of annual Global Wind Day events in Greece from 2007 to 2017.
- ❖ Creator and Publisher of the bimonthly magazine "ANEMOlogia", (HWEA), 1999 – 2016.
- ❖ Creator and Publisher of commercial renewables magazine "Energy Point", 2007 – 2010.
- ❖ Creator, Editor and Owner of Climate and Energy Portal "Emc2 – Energy Matters to Climate Change" 2018 to date.
- ❖ Currently is accredited Media to UNFCCC as Editor of E-mc2.gr.
- ❖ Lobbyist on behalf of the wind energy sector and advocate for climate change.
- ❖ From 1991 to date, in his capacity as member of EWEA's Board and HWEA's President, he has lobbied politicians and decision makers regarding RES legislation in the Greek and European Parliaments and has been invited on a number of occasions in the Greek parliament relevant committee to present HWEA's position on policy measures.
- ❖ Since the early 2000, as editor of the magazines ANEMOlogia and later "ENERGY POINT" and currently via the portal www.e-mc2.gr through lead articles and news reporting, he has put forward the case for the development of RES locally as well as globally as one of the solutions to mitigating climate change, environmental destruction and atmospheric pollution while achieving energy security and economic development.
- ❖ He has been awarded renewable energy (AIOLOS) and environmental (OIKOPOLIS) awards for his contribution in wind energy advocacy and the protection of the environment.

Public Power Corporation (PPC), DEME Direction of Alternative Energy Sources.

Analysis of work load (Project planning and design. Project engineering. Technical & financial feasibility studies. Project management. Financial evaluation of projects. Project auditing

1. Planning

He was a member of Planning Project Team responsible for setting up PPC's Regional R.E.S. Development Programme (R & D, Demonstration and Commercial Projects) which were installed in the 80's decade

2. Research and Demonstration Proposals

- ❖ Preparation of proposals for DGXVII's DEMONSTRATION and THERMIE programmes, DGXII's JOULE and APAS programmes.
- ❖ Negotiations with a European partner, usually manufacturer and/or Research Centre/Institute,
- ❖ Preparation of technical and economic feasibility studies,
- ❖ Preparation of Consortium Agreements,
- ❖ Project Management,
- ❖ Project Evaluation (Data processing),
- ❖ Project Reports and Auditing

3. Commercial Projects

- ❖ Project Management Team member
- ❖ Member of project teams responsible for the implementation of PPC's commercial development programme, within the framework of the EC's HORS Quota Programme, VALOREN Programme, Mediterranean Integrated Programmes
- ❖ Preparation of Technical and Commercial specifications
- ❖ Investment analysis and Financial Evaluation of projects
- ❖ Environmental Impact Assessment and Evaluation of projects
- ❖ Preparation of Public Tender documents
- ❖ Evaluation of tenders
- ❖ Negotiations and preparation of Contracts
- ❖ Submitting technical and financial reports to the Commission

4. Implementation

- ❖ Project management
- ❖ Coordination, Negotiations and Cooperation on various procedural matters, issue of permits, contracts etc., with
 - PPC's Regional Directions, Local (island) power stations, Local (island) offices, Other Directions (Transport, Grid, Planning, Financial, Legal etc.)
 - Regional and Local Authorities
 - Regional and Local government agencies (Building, Land, Forestry, Port authority, Aviation authority, Environment authority etc.)

- Local sub-contractors
- Local communities
- ❖ Preparation of Consortium Agreements and sub-contracts for project implementation.
- ❖ Coordinating infrastructure construction activities.
- ❖ Coordinating transport, installation, erection and commissioning.
- ❖ Responsibility for contractual and financial matters.
- ❖ Project follow-up, operation and maintenance supervision.
- ❖ Submitting technical and financial reports to the Commission.
- ❖ Preparation of project Interim Reports
- ❖ Financial Audit of E.U. subsidized projects
- ❖ Preparation of Project reports and Final Project Reports