



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **PETRESCU TRAIAN**
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Nationality Romanian
Date of birth 05.05.1952
Gender Male

Work experience

Dates 2005 - present
Occupation or position held Design Coordinator and technical project consultant
Environmental Expert Main Assessor
Environmental Expert Main Auditor
President of Uniunea Practicienilor de Protectia Mediului din Romania
(Union of Environmental Protection Practitioners of Romania)
Main activities and responsibilities **Design Coordination and Consultancy in the next fields:**

- energy
- industrial construction
- industrial parks
- wind power and photovoltaic farms
- renewable energies and implemented in the sustainable development concept
- hydrotechnical constructions, cliffs and shores protection
- integrated irrigation system with unconventional energy
- alternative energy saving systems introduction
- investments in the ports fields, both in the traffic of goods and in tourist ports
- in the construction and road infrastructure field
- in the development of integrated residential complexes field (tourism, SPA, shopping, marina, etc.)

Management:

- Integrated systems management
- waste management at the level of Administrative Territorial Units

- (A.T.U.), county and national
- development strategies at the level of A.T.U's and geographic areas (currently working at the development of type I.T.I. - Integrated Territorial)
 - integrated harbour management with neighbourhoods and links with Central Europe

Opportunity and Feasibility Studies

- wind farm location opportunity in the Dobrogea region
- industrial parks location opportunity
- the opportunity of introducing renewable / non-conventional energy and energy saving alternatives in large administrative areas (harbours, industrial parks, industrial platforms, etc.), the Study for Constanta Harbour approved in the Board of Directors in 2012
- the opportunity of locating systems for loading – unloading of oil products outside the harbour enclosures and transporting the oil products via submarine pipelines

Scientific research applied in the field of:

- Residential buildings with steel structures included earthquake – resistant in 8-9 degrees and energetically passive (I own invention patent and intellectual protection for procedures and fabrication line)

Environmental expert accredited by Environmental Ministry, registered in the “National Register of Elaborators of Environmental Protection Studies” at 108 position, for the next types of studies: R.M., R.I.M., B.M., R.A., and also E.A. and R.S in collaboration with accredited individuals and corporations:

- R.M. – Environmental Report
- R.I.M. – Environmental Impact Report
- B.M. – Environmental Audit
- R.A. – Site Report
- E.A. – Appropriate Assessment Study
- R.S. – Security Report.

Elaboration and Coordination of: Environmental Impact Assessment Studies, Reports to Environmental Impact Assessment Studies, Environmental Reports, Environmental Audits Level I and Level II, Environmental Audits Reports on Level I and Level II, obtaining environmental accords and environmental notices from environment authorities, preparing environmental documentation, supporting projects in public debates, elaboration of documentation for the National Coastal Committee (CNZC), supporting projects in CNZC, waste management studies, Security Reports / Risk Studies, environmental audits, social impact assessment studies, social impact assessment plans, programs for monitoring environmental factors, technical Projects for environmental restoration, initial Plans for activity cessation, environmental assessment from biodiversity point of view in collaboration with specialized institutes, Romanian Academy, companies and individuals (Appropriate Assessment). Elaboration and coordination of projects in environmental domain (treatment plants, decontamination of polluted sites, waste deposits - including hazardous, decommissioning / ecology projects)

Name and address of employer

Cabinet Expert Mediu Petrescu Traian, Constanta
S.C. Project Resolv Consulting S.R.L., Constanta
S.C. House Construct Invest Environment S.R.L. Bucharest

Type of business or sector	Design, research, consultancy, Specialty consultancy in environmental protection domain, including in the renewable energy domain, in the decontamination (contaminated sites), and also integrated waste management and environmental restoration, etc.
Dates	2003-2005
Occupation or position held	Executive Director of Constanta Environmental Protection Agency
Main activities and responsibilities	Organization and coordination of public institution activity
Name and address of employer	Constanta Environmental Protection Agency Constanta, Unirii Street, no. 23
Type of business or sector	Public administration
Dates	1989-2003
Occupation or position held	Director, President, Administration Council Vice-President, Administrator, Specialty Counsellor, Manager, Projects Integrator for management projects, harbour development, shipping, etc.
Main activities and responsibilities	Responsible for coordinating business activities Defining and implementing the budget Defining and executing investment plan Defining and implementing competitive strategy Management of organizations investments Management of Companies project portfolio Identifying new business opportunities
Name and address of employer	REMARC group of companies (Constanta Harbour berth 33, industrial area - Celulozei street no. 5-7), Polaris M. Holding – collaboration of ecological problems
Type of business or sector	Naval service, industrial automation, environmental management, design, construction of houses and industrial buildings, satellite communications, wastes collection and management, and Marpol applications in waste management domain from shipping business, design in shipping remediation systems, design and development of goods harbour (silos and containers in the free area of Galati), naval shipping for areas in contract for Bare/Boat, etc. Service and modernizations of Marine platforms property of Petromar Constanta
Dates	1983-1990
Occupation or position held	Chief of industrial production section, building site chief, Director
Main activities and responsibilities	I participated at the development of industrial projects as: " Midia Petrochemical Plant" - Navodari, Medgidia cement factory, Constanta Minerals Port, Cernavoda Nuclear Power Plant, Halanga Heavy Water Plant near Turnu Severin and many other industrial projects in Dobrogea and beyond
Name and address of employer	IAMSAT Bucuresti – Dobrogea Antrepriza
Type of business or sector	Industrial production and company management

Dates	1977-1983
Occupation or position held	Naval Architecture Engineer, Head shop fitting doc, Head Chief Section I
Main activities and responsibilities	<ul style="list-style-type: none"> - I participated at shipbuilding of civil, military and technical ships, at Shipyard "2 Mai" Mangalia - I participated to the construction of the first vessel of 55,000 dwt Callatis, and all series of 9 ships that followed - I participated to the construction "Marasesti" battleship, "Grigore Antipa" marine research vessel, etc. - Industrial Manufacturing, shipbuilding and offshore platforms of oil exploitation - I attended the installation of two cranes of 480 tf of Shipyard "2 Mai" Mangalia (actual DMHI – Daewoo Mangalia Heavy Industries) Portuguese production under "Krupp" license, being the only engineer authorized by the manufacturer to give repairing solutions or for maintenance.
Name and address of employer	„2 Mai” Mangalia Shipyard (former military, now DMHI)
Type of business or sector	Naval constructions and architecture
Education and training	
Dates	present
Title of qualification awarded	PhD in hydrotechnical constructions with direct involvement in marine ecology
Principal subjects/occupational skills covered	Hydrotechnical constructions, marine ecology
Name and type of organisation providing education and training	„Ovidius” University of Constanta, Constructions Faculty
Level in national or international classification	ISCED 6
Dates	2005
Title of qualification awarded	Certificate for graduation of the training program "Sustainable Development Management"
Principal subjects/occupational skills covered	Wastes management / expert
Name and type of organisation providing education and training	National Administration Institute
Level in national or international classification	Specialization course
Dates	2004-2005
Title of qualification awarded	Masters Degree / Integrated Systems Management
Principal subjects/occupational skills covered	Integrated Systems Management
Name and type of organisation providing education and training	„Lucian Blaga” University of Sibiu, Engineering Faculty, Integrated Systems Management Specialization
Level in national or international classification	ISCED 6

Dates	2004
Title of qualification awarded	Training Course Certificate
Principal subjects/occupational skills covered	Emissions monitoring Analysis of engines gases Ambient air quality monitoring Network of ambient air quality monitoring for urban areas
Name and type of organisation providing education and training	Environment S.A. RSI ELECTRO S.R.L.
Level in national or international classification	Specialization course
Dates	2004
Title of qualification awarded	Certificate of Participation in the instruction seminar for the use of the "Handbook on specific activities in the field of waste management"
Principal subjects/occupational skills covered	Waste Management and Administration
Name and type of organisation providing education and training	GTZ - German Agency of Technical Cooperation
Level in national or international classification	Specialization course
Dates	1971-1977
Title of qualification awarded	Bachelor Degree - Naval Architecture Engineer, Duration 6 years / day
Principal subjects/occupational skills covered	Naval Architecture, ships and board machines and hydraulic engineering
Name and type of organisation providing education and training	Galați University, Mechanic Faculty, Ships and Board Machines Section
Level in national or international classification	ISCED 5
Dates	1967-1971
Title of qualification awarded	High School Diploma
Principal subjects/occupational skills covered	Mathematics - Physics
Name and type of organisation providing education and training	Mangalia Theoretical High School no. 1
Level in national or international classification	ISCED 3
Personal skills and competences	

Mother tongue(s)

Romanian

Other language(s)

Self-assessment

European level (*)

Russian

French

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User
B1	Independent User	B1	Independent User	B1	Independent User	B1	Independent User	B1	Independent User
A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User

Social skills and competences

Communication and negotiation competences developed in the meetings of the working groups, public debates impact studies and environmental balances

Organisational skills and competences

Organization and leadership competences, gained and proven within the positions held

Technical skills and competences

- Skill of technical analysis and impact assessment of an activity or proposed project / plan, contact with work techniques and technologies in various fields, some unique in the country (for example, operating ships on buoy offshore Midia Harbour)
- Capacity for analysis and synthesis of information, depth knowledge of environmental protection legislation and implementation capacity, following the experience accumulated in this field and participation in various seminars / meetings organized by central authorities for environmental protection, for this purpose;
- Knowledge in the field of public administration, the functioning of public institutions, public interest information, following the application of legislation in these areas as well as coordinator of a public institution

Computer skills and competences

- Microsoft Office (Word, Excel, PowerPoint)
- Internet
- Knowledge and use software:
 - **SIMGP v.4.1**, software for simulation of dispersion of gaseous pollutants and particulate matter (intellectual property of Petrescu Traian)
 - **ALOHA**, software to simulate pollutant dispersion in air

Artistic skills and competences

- Photography
- Drawing
- Essayistic and reports

Other skills and competences

- Hobbies:
 - Tennis

- Belletristic
- Shipping sailing ships
- Fishing

Driving licence driving license category B

Additional information

- I elaborated the project for the remediation of groundwater and soil infested from the city of Constanta, Oil Terminal oil storage surface area 184 ha (2008 - 2009). Remediation work was not carried out due to lack of funding
- I provided technical consultancy in Greening project of dumps and historic pollution sites – SC ROMPETROL RAFINARE SA
- I realized some scenarios about accidental pollutions with hydrocarbons in coastal zone of Black Sea, to coordinate sea interventions in useful time, scenarios are introduced in a PC program of intellectual property.
- I am in possession of studies in the domain of wastewater treatment and ecological landfill sites and projects in the ecological restoration in the field of historically contaminated sites, I realized some studies of pre-feasibility and feasibility for ships modernization, free zones, ecological landfills, case studies about closing non-concordant waste landfills, coordination of projects for closing non-concordant waste landfills, including hazardous waste and bund sites with hazardous waste.
- On my own I realized two case studies of a great proportion, one about underground pollution of the groundwater layer from the underground of Constanta city and Constanta Harbour, and another one is about the organization of an intervention centre for marine pollution at Black Sea level.
- I realized the “Study of wastes management in Constanta Maritime Port” for Holland experts in 1999.
- In 2000 I realized the “Study for Integrated Waste Management” for Kazan City from Russian Federation, capital of Tatarstan Republic
- I realized different studies about marine pollution with petroleum products and different methods of its fighting, starting with 1996, when I represented the group of enterprises “RO-Clean Desmi” from Denmark, being the leading importer of specific equipments for Constanta rescue intervention group.
- I took part at trainings for preparations in ships construction and automations domains, being also specialized in port exploitation.
- Also I took part at training for specialization in communications management in 1994, 1995 and 1996 organized by INMARSAT in Great Britain, Holland and France.
- In 2000 I graduated two specialization courses of management and marketing in public administration.
- In 2001 I took the exam of “Judicial/Liquidation Reorganization” and I promoted it, being attested as an expert in judicial reorganization and liquidations, being authorized to practice this profession.
- I graduated also courses of wastes management, industrial security in environmental domain with specializations in emissions control, air quality control in urban agglomerations, training courses in

“Sustainable Development Management” domain.

- I taught courses of specialization at the proposal of CPLMC – Constanta.
- I taught courses for Balkan Environmental Organization – BENA.
- Now, I am working at promoting some non-conventional energies and 100% ecologic, the type of “heat pump”, photovoltaic panels, wind energy.
- As Executive Manager of the Agency for Environmental Protection, Constanta I was involved directly in a process of coastal zone protection, as an active member in working teams organized by Holland specialists, and now together with Japanese specialists from JICA Organization we profound this project.
- Accords, authorizations and environmental approvals of particular importance that I was directly involved are part of a very long list to be directly presented so they will not be mentioned.
- I own inventions and innovations patents, the most recent are those about building constructions with metallic structures included in “sandwich” type walls, buildings of ecologic type.
- I went through the S.E.A. procedure in which I have elaborated Environmental Reports, completed by obtaining the regulatory acts of the competent environmental authorities for the following investments:
 - 2013 – 2014: Environmental Report for P.U.G. Mangalia Update (General Urban Plan), Mangalia city, Constanta district
 - 2012-2013: Environmental Report for PUZ – Opening stone quarry outside Luncavita village, Tulcea district
 - 2009: Environmental Report for P.U.Z. (Zonal Urban Plan) “Elaboration of P.U.Z. Mamaia – Modification of Decision of City Local Council no. 129/2001
 - 2009: Environmental Report for P.U.Z. „Mamaia Beach Residential Complex”, the largest residential complex in Constanta, located in the Faleza Nord-Pescarie area
 - 2007: Environmental Report, P.U.D. stage for „Building P+M+5E – 5 stars Hotel”, in Mamaia Resort, next to Rex Hotel
 - 2007: Environmental Report for “P.U.D. – Lacustrine Town”, Siutghiol Lake, Caraiman Hotel area, Constanta county
 - 2006: Environmental Report for „P.U.D. Mamaia Beach Residential Complex”, the largest residential complex in Constanta, located in the Faleza Nord-Pescarie area
 - 2008: Environmental Report for „PUZ - Hanul Piratilor Residential Complex”- Navodari, Hanul Piratilor, Constanta county
 - 2012: Preparing documentation for obtaining Environmental Approval for PUZ Underground Passage Charles de Gaulle Square, Bucharest
 - 2012: Preparing documentation for obtaining Environmental Approval for 43 PUZ outside the Dorobantu village, Tulcea county, for "Introduction in town, removal from agricultural circuit and building: farms, livestock farms, housing services, housing, wind farms, solar farms, small production and service spaces "
 - 2012: Environmental Report for PUZ CASIMCEA 1 WIND PARK and CASIMCEA 2 WIND PARK, outside Casimcea

- village, Tulcea county (9 turbines, 19,2 MW)
- 2012: Environmental Report for PUZ “Building Wind Park, roads, electrical networks and transformation station”, outside Albesti village, Constanta county, (16 turbines, 54,4MW)
- 2011: Environmental Report for PUZ “Location of a wind turbine park, site organization, transformation station and connection network to S.E.N. ” - DA_ VII, DA_ IX, DA_ X, DA_ XI, DA_ XII, DA_ XIII, DA_ XIV, DA_ XV”, outside Daeni village, Tulcea county (8 wind parks with a total number of 57 turbines, 171 MW)
- 2011: Environmental Report for “Building new electricity production capacities - 14 wind turbines and building works for power supply network and access roads inside”, outside Deleni village, Pietreni town, Constanta county (14 wind turbines, 42 MW)
- 2011: Environmental Report for P.U.Z. “Building wind park DMS-CASIMCEA”, outside Casimcea village, Tulcea county (20 turbines, 60 MW)
- 2011: Environmental Report for P.U.Z. “Crucea HRM wind park, roads, electric networks, transformation station and collection stations”, Crucea village, Baltagesti Town, Constanta county, (30 turbines, 90MW)
- 2011: Environmental Report for “Building wind turbines park”, outside Isaccea village (24 turbines, 72 MW)
- 2010: Environmental Report for P.U.Z. “Building wind turbines park and connection networks” Alpha Nord I, outside Casimcea village, Tulcea county (21 turbines, 48,3MW)
- 2010: Environmental Report for P.U.Z. “Building wind turbines park and connection networks” Alpha Nord II, outside Casimcea village, Tulcea county (27 turbines, 62,1 MW)
- 2010: Environmental Report for P.U.Z. “Building wind turbines park and connection networks” Alpha Nord III, outside Casimcea village, Tulcea county (15 turbines, 45 MW)
- 2010: Environmental Report for P.U.Z. “Building wind turbines park and connection networks” Alpha Sud I, outside Casimcea village, Tulcea county (22 turbines, 50,6 MW)
- 2010: Environmental Report for Wind Park CAS Sud II, outside Casimcea village, Tulcea county (37 turbines, 85,1 MW)
- 2010: Environmental Report for Wind Park Mihail Kogalniceanu and Sarichioi villages, Tulcea county (23 turbines, 69 MW)
- 2010-2011: Environmental Report for Wind Park Somova village, Tulcea county (58 turbines, 174 MW)
- 2010: Environmental Report for P.U.Z. “Wind Park – total power of 100 MW”, outside Crucea village, Constanta county
- 2009-2010: Environmental Report for Zonal Urban Plan - Building wind park and roads arrangement - 60 MW, outside Greci village, Tulcea county
- 2009: Environmental Report for “PUZ – Chirnogeni Wind Park 80 MW”, Chirnogeni village, Constanta county
- Key Expert in following projects, according to Directive 2007 / 60 / EC on the assessment and management of flood risks:
 - Plan for prevention, protection and mitigation of flood effects

- (PPPDEI) in Buzău – Ialomița hydrographic basin
- Plan for prevention, protection and mitigation of flood effects (PPPDEI) in Argeș - Vedea hydrographic basin
- Plan for prevention, protection and mitigation of flood effects (PPPDEI) in Crișuri hydrographic basin
- Plan for prevention, protection and mitigation of flood effects (PPPDEI) in Banat hydrographic basin

Short list of studies elaborated:

- Security Report for Chemicals Terminal, MOL 4 root, S.C. Chimpex S.A.
- Security Report for „Ships operating on buoy in Midia Harbour area”, S.C. ROMPETROL RAFINARE S.A.
- Security Report for “Ecological incineration system, provided with cooling systems and gases clearance”, outside Lumina village, Constanta county
- Pollution scenarios for tourist ports with ongoing security report for: Tomis Constanta Tourist Port and Marina Mamaia Tourist Port, including for the construction phase
- Specialized and environmental consultancy for execution of hazardous waste Incinerator in Constanta Harbour
- Environmental Impact Study for “Complex Development of Tomis touristic Harbour”, Constanta and Mangalia Marina
- Environmental Impact Report for “Borrow areas for relocation of the sediment deposits (sand) – situated in the Black Sea territorial waters”– for sanding the beaches: Eforie Nord, Tomis Nord, Tomis Centru, Tomis Sud
- Environmental Impact Report for “Ships operating on buoy in Midia Harbour area”, S.C. ROMPETROL RAFINARE S.A.
- Opportunity and pre-feasibility Study for locating industrial parks in Constanta county, Constanta harbour or in the adjacent area (I attach a material in shortened form)
- I collaborated for the development initiative with World Bank for I.T.I. Danube Delta
- I coordinate the development program of the historical region Dobrogea starting from I.T.I. Constanta County initiative started with the World Bank
- Coordination of Zonal Urban Plans
- Coordination of General Urban Plans
- Additional information on the activities can be found on the websites:
 - <http://www.expert-mediu.ro>
 - <http://projectresolv.ro>
 - <http://www.asverde.ro>