

CURRICULUM VITAE

Family Name: MORETTI
First Names: Antonio
Date of birth: April 19, 1946
Nationality: Italian
Civil status: Married

Education

Institution [Date from-Date to]	Degree(s) or Diploma(s) obtained:
Luiss University, Rome, Italy, 1995	Post-graduate course on Project Financing
Ecole Nationale Supérieure des Techniques Avancées (ENSTA), Paris (France), 1976	Post-graduate course in System Engineering
Université de Statistiques, Paris (France), 1975	Course on Planning Methods
ISDA (Istituto Superiore Direzione Aziendale)-CIDA (Confederazione Italiana Dirigenti Azienda), 1972	Post-graduate degree from ISDA-Specialization in operational research
La Sapienza University of Rome, Italy, 1971	Master Degree in Nuclear Engineering
La Sapienza University of Rome, Italy, 1970	MSc. Engineering

Language Skills (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Italian	Mother tongue	Mother tongue	Mother tongue
English	1	1	1
French	1	1	1
Spanish	2	2	2
Russian	5	5	5
Turkish	5	5	5

Membership of professional bodies: Senior Advisor to Istanbul Aydin University-Advisor Board of EPPAM Energy Politics and Markets Research Center, Senior Advisor to TOBB (Türkiye Odalar ve Borsalar Birliği/ Union of Chambers and Commodity Exchanges of Turkey).

Other skills: N/A

Present Position: Partner at Ianus Srl and independent free lance for Cesi SpA.

Years within the firm: 6 years

Key qualifications

More than 40 years of experience in the energy sector including design, development, management and decommissioning of power plants in EU countries, Eastern Europe, NIS and other regions like Asia, Latin America and North Africa.

22 years as ENEL (National Italian Power Company) professional and executive and after, as independent consultant, he has gained a vast experience in assessing/developing/directing Power System projects (Thermal, Hydro and Renewable Generation, Transmission System) in South East Europe (Albania, Bosnia, Serbia, Turkey), East Europe, North Africa and South America markets.

In-depth knowledge and experience in the design and implementation of monitoring and program evaluation assignments in line with DAC criteria through EC projects in which he has been project director. Therefore he has good knowledge of EC rules and Europeaid procedures.

Experience in Thermal Power Plants transformation-modernization involving decommissioning activity assessment in Italy, Russia, Algeria, and Argentina. Experience in Coal Power Plants in: Italy, Brazil and Turkey. Experience in Combined Cycle Power Plants: Italy and Uruguay

Consolidated experience in planning and management of large and complex projects and systems, including: energy plans, interface and negotiations with local organizations and institutions; co-ordination of multi-lateral project teams, involving different organisations, consultants & engineering companies, solving of multi-sector problems simultaneously involving design, purchase, construction, etc, preparation and management of construction, supply and engineering contracts (WBS, OBS, system requirements, layout criteria, issuing

of orders, organization of cost control), large and small Power Plants assessment, project development and design in Italy and abroad (France, URSS, South America, East Europe, Turkey, North Africa etc.), international business development, BOT & BOO project development under Project Finance model, Deep and direct Experience in Steam, Coal, Gas, Hydro, Nuclear Power Plant, Cogeneration, Distributed Generation, Renewable, Power System Modernization consulting, engineering and development .

Professional Experience				
Date	Location	Company & reference person	Position	Description
2010 to date	Turkey, Uzbekistan, Egypt, Italy, Brazil, Abu Dhabi	Ianus, Pietro SantoPalopoli p.palopoli@ianusne.it	Consultant and Business Developer	<p>Consulting firm specialized in business solutions, project development and management consulting in the area of Energy and ICT. Developed several projects:</p> <ul style="list-style-type: none"> • 2015 - up to date: EU IPA12/CS02 - Development of Renewable Energy Sector (Turkey). Position: Project Manager. Project objective: enhancing the implementation of the policy and institutional framework for harmonization with EU policies; assessing of the electricity market; knowledge transfer for the implementation of proposed action plan. Bice Di Iorio (bice.diiorio@terna.it) • 2015 - 2016: UzbekEnergio/EU Project "Electric Distribution Network Modernisation of the Republic of Uzbekistan". Position: Team Leader. Advising and preparing a methodology for distribution network optimization and future modernization; 4 Pilot Projects Feasibility. Stefano Malgarotti (stefano.malgarotti@cesi.it) • 06/2014-10/2014-TARES EU Project-Assistance to Egypt for Energy Sector reform. Client: Sofreco. Evaluation of the current Energy Sector situation and of current donor funded energy projects in the country. Drafting Electricity Strategy for Egypt to 2035 as Short Term Senior Expert in Generation and Power Systems. Adrian Twomey (Adrian.TWOMEY@sofreco.biz). • 09/2014 -12/2014 ABU DHABI ADMA off shore generation system. Italy. Client: CESI SpA. Peer review of pre feasibility study prepared by Mott MacDonald. Bruno Cova (bruno.cova@cesi.it) • 11/2013-02/2014 - SESTA Laboratory assets assessment. Client: CESI SpA. Assessment of machinery and systems included in the experimental station for TG combustion test of Sesta (Italy). Assessment of status of equipments and economical evaluation. Alberto Angelo Meregalli (albertoangelo.meregalli@cesi.it) • 05/2012-05/2013 - Oportunidades Tecnologicas para Producao de Energia Eletrica Fotovoltaica no Brasil-R&D Project. Location: Sao Paulo (BR). Client: Companhia Termoeletrica de Petrolina. Evaluate the possible penetration of PV into the energy mix of Brazil and analysis and assessment of the State of Art of PV Technology. Helio Kaouro Takeno (htakeno@utepetrolina.com.br).
2008-2011	Italy, Tunisia, Argentina	TERNA SpA (TSO), Michelangelo Celozzi, michelangelo.celozzi@terna.it	Consultant	<p>Senior Consultant for Generation and International Power System issues at TERNA SpA (the Italian TSO)</p> <p>09/2008-12/2011 - ELMED Project Development (1200 MW-Tunisia) and North Africa Market Development. Location: North Africa. Client: Terna. Development and International Tendering including the submarine interconnection HVDC Link Tunisia-Italy and 1200 MW of associated Generation in BOO model. Senior advisor in project structuring, tender package preparation and tender process management.</p>
2009-2010	Guatemala	UNCTAD, Massimo Meloni, Massimo.Meloni@unctad.org	Energy Consultant	<p>11/2009-10/2010 UNCTAD Investment Project Review Electricity Sector. Guatemala. Analysis and evaluation of country industrial sectors to improve sectors performances and FDI participation and related proposal to Government.</p>
2007 to 2008	Italy	Interenergy Power Solutions SrL., company not active	General manager and consultant	<p>Company active in development and engineering of distributed generation and on site generation and renewables systems (CHP, geothermal, solar).</p> <p>07/2008-12/2008 - Brindisi Nord Power Plant 1x320 MW -Dismantling and re-building coal to reuse in Argentina-Private to private.</p> <p>Franco Remondino remondino1@tiscali.it.</p>

2004 to 2007	Romania, Italy, Turkey	Pegaso General Engineering Srl, Roberto Mellini roberto.mellini@progetto10.it	General Manager and consultant	Company providing engineering and consulting services for energy systems: Thermal Power Plants, Combined Heat and Power, Distributed Energy and on site generation 02/2004-10/2006 Engineering Activity Management of a Romanian Co. GES (JV between Progetto 10srl and Conproject-Ploiesti). 07/2006-12/2006 Responsible for technical advisory to Sardegna Region for concession local coal mine and 400-600 Mw local coal power plant. 09/2005-03/2006 Responsible for Technological Assessment of possible solution for ElbistanC lignite project (1200 MW Turkey).
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2002 to 2008	Ukraine, Italy, Serbia, Algeria, Russia, Uruguay	CESI S.p.A, Antonio Ardito, antonio.ardito@cesi.it	Project Director for International Projects	<ul style="list-style-type: none"> 11/2006-05/2008 - EU TACIS -Support to Ukraine Government for progressive integration of Ukraine Electric System into European Electricity Market. Ukraine. Project Director. Evaluation of Ukrainian electricity sector/ market and Power System compared to EU regulations and UCTE requirements, planning of possible synchronous interconnection of Ukrainian Grid with UCTE. Planning, Coordination and Management of the whole project activities/tasks; interface to EU and Ukrainian Party. 06/2004-12/2005 - Transformation of 3 classic steam cycle Power Plants (2000 MW) into Combined Cycle: Ras Djinet (Algeria) 4x168MW, Jijel (Algeria) 3x196MW, Marsat (Algeria) 5x168MW). Algeria. Client: Sonelgaz. Project Director Contract. Feasibility project of transformation.Planning, Coordination and Management of the three projects. 01/2004 -12/2004- Modernization of Russian thermoelectric power park (around 200 000 MW) for RAO UESR -TAL 051 Contract, under WB. Project Director. Analysis of existing Russian fleet and proposal for modernization solutions. Planning, Coordination and Management of the Consortium activities. 12/2002-03/2004 - Owners Engineering contract for 350 MW combined cycle for UTE Uruguay. Client: UTE-CESI. Project Director. Preparation of international tender for the development of 350MW PowerPlant under different structures-BOT-EPC-Shopping around. 01/2004-05/2005 Serbia -Electricity System evaluation and market assessment for possible setting up of a local CESI company. 03/2005-07/2005 – Serbia - Kolubara B and Kolubara electricity site pre- feasibility study.
1999 to 2001	Italy, Albania, Serbia, Montenegro, Romania, Russia, Tajikistan, Brazil, Turkey, South America	ENEL Power S.p.A,	Vice President	<p>Business and Project Development management for power and transmission projects in International Markets- CIS, East Europe (Russia, Tajikistan, Romania), Balkans (Serbia, Montenegro, Albania), Turkey and South America under Private and Private/Public investment model.</p> <ul style="list-style-type: none"> 1999-2000 Acquisition, on international tender basis, of Management Contract of KESH. Albania. Client: KESH. Co management of KESH for company re-organization. Planning and management of the whole proposal. 1999-2000. Acquisition on international tender basis of 1000 km HT Interconnection 500kv line concession under BOO scheme. Brazil. Client: Transmission Operator/Brazilian State. Acquisition and development of the line in BOO competitive scheme. Planning, structuring and management of the proposal along with the whole tender procedure negotiation included. 1999-2001 Responsible of Development for Enel-Inepar IPP Sepetiba Coal Power project (2x600 Mw) in Brazil. 1999-2000 Responsible of feasibility study for ALUMAR coal project (Brazil).
1997 to 1999	Italy, Brazil	Enel S.p.A.,	Project Development Manager	In charge of development of BOT, BOO and related business schemes for power, transmission and distribution projects in international markets. 1998-1999- Setting up and development of Enel Power do Brazil. Brazil. Creation of the Company under Brazilian jurisdiction, Planning and management of the whole process. 1998-1999 -Development of coal power projects SEPETIBA and ALUMAR. Brazil. Feasibility, project structuring and development of two Coal Power Plant 2x660MW and 2x320MW. Planning, coordination and management of the whole process.
1996 to 1997	Italy	Enel S.p.A.	Strategy Manager	Strategy Planning Manager at the International Business Department responsible for preparation of ENEL SpA internationalization process.

1994 to 1996	Italy, Tajikistan, Russia	Enel S.p.A.	Business Development Manager and Project Director	<ul style="list-style-type: none"> • 1995-1997 UE/TACIS- Tajikistan Strategy Plan for Energy. Tajikistan. Project Director. Analysis and definition of a strategic energy plan for the country. Evaluation of current projects. Planning, coordination and management of Enel/Sofreco consortium activities. • 1994-1995 - Study of Project Financing for MOSENERGO (Moscow) H&P 1000 MW plant in the framework of ENEL/MOSENERGO collaboration. Russia. Client: Mosenergo. Project feasibility and structuring Enel Project Manager. Technical coordination and management.
1979 to 1995	Italy, Algeria	Enel S.p.A., Engineering and Construction Division	Project Manager	<p>Preliminary engineering and feasibility studies of steam, combined cycle thermal power plants, repowering and decommissioning projects. Co-ordination of ENEL 300MW combined cycle standard projects, coordination of plants engineering, qualification of subcontracting engineering firms, definition of engineering procedures of ENEL Construction Department, analysis and planning of investments, general technical and economic studies, analysis of engineering resources and detailed estimates of plant costs, co-ordination of ENEL standard project 600MW coal fired TPP project, comparative analysis of technologies and availability of different TPP, support financing applications to the European Investment Bank.</p> <ul style="list-style-type: none"> • 1990-1992 - Etude de comparaison des filieres de generation d'electricité. Algeria. Client: Sonelgas. Senior Engineer. Analysis of oil, gas and coal power generation plants for Algeria case. Technical economic characterization for different size of plants fuelled by the three type of fuel and comparison. • 1991-1994 Licensing Manager for Erection of the ENEL Combined Cycle Power Plant "Galileo Ferraris" of Trino Vercellese (2x320 MW). • 1989-1991 Co-ordination of ENEL 300 MW combined cycle standard project. • 1987-1990 - Engineering coordination for transformation, modernization involving decommissioning activity assessment of Italian Electricity Thermal Park (72 units of 660MW, 320 MW, 150 MW, 70 MW, 35 MW totalling 21.000 MW). Environmental revamping/improvement, transformation and repowering. • 1986-1988 Responsible for development of 100 Mw Coal Fluidized Bed standard project of ENEL. • 1981-1983 Responsible for development of Standard 600 Mw Coal Power plant of ENEL, from Feasibility to Basic and implementation.
77 to 79	France	NERSA SpA	Planning Engineer	NERSA SpA: International JV among EdF, ENEL, RWE for implementation of fast breeder reactor project of Creys Malville
74 to 77	France	NERSA SpA	Engineer	Engineer at Nuclear Boiler Service: Handling Fuel System design and development.

Other relevant information (e.g. Publications): 2014: Energia solar. Tecnologia e regulação. São Paulo, OP. Research report funded by R&D Programme of ANEEL - National Agency for Electric Energy, Brazil