



### Personal Data

Name / Family name **Giorgio Maurini**  
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Nationality Italian  
Date of birth 02.18.1946  
Sex Male

**Current Position/job Business Sector** **ENGINEERING, ENERGY EFFICIENCY, CONSULTING AND TESTING RELATED TO PUBLIC WORKS AND RENEWABLE PHOTOVOLTAIC/WIND ENERGY PRODUCTION PLANTS**  
**EXPERT IN ENERGY MANAGEMENT (E.G.E.) UNICEI 11339 CERTIFICATE**

### Work Experience

Date 2006 - Today  
Job or Position Held Freelance Engineer, Public Utility Manager (Ret.)  
Main activities and responsibilities Design, Work Direction, Testing of Renewable Photovoltaic/wind Energy production Plants;  
Consulting (Energy Efficiency);  
Energy Audits in both civil and industrial sectors;  
Energy certification (Buildings)  
Name and address of main customers Ternienergia S.p.A. Terni,  
GEProgetti&3i S.p.A. Narni (TR), Genera S.p.A. Narni (TR),  
Rete Rinnovabile S.r.L., Roma  
Iberdrola Costruzioni ed Ingegneria S.r.L. Roma,  
E.D.F. Energia rinnovabile Roma  
Wise Energy Milano  
NextEnergy Capital Ltd. Milano  
Enerstreet S.r.l. Narni (TR)  
Type of activity / sector : 1972 – today Engineering  
Freelance Engineer registered in “Ordine degli Ingegneri di Terni” (Chamber of Engineers), n° 233

1971 - 1990	Chief Engineer – Municipal Technical Office: Public Utility Manager
1990 - 1995	Department Director (Environmental Protection and Management)
1995 - 2003	Department Director (Public Works and Municipal IT services)
2003 - 2006	Manager – Outsourced Services, Energy, Mobility and Innovation
1981 - 1988	President “Associazione di volontariato ProCiv” (Civil Protection - Volunteering)
2001 - today	Public Works Arbitrator. Registered in the Arbitration Chamber - Public Works Authority
1982 - today	Public Works tester, registered at Umbria Regional Authority
2001	President “Servizio Idrico Integrato S.c.a.r.l.” - A.T.O.3 Regione Umbria (Optimal Territorial Setting Authority - Umbria )

## Education and Training

Name and type of the Institution providing training	ENEA
Date	March 2015
Granted qualification	Training Course - Energy Manager in accordance with Law 10/91 ; Energy Management Expert in accordance with Legislative Decree n° 115 ; 30.05.2008; total nr. Of hours 40
Main subjects /professional skills acquired	Energy manager and E.G.E. (Energy Management Expert):  KYOTO CLUB SACERT
Date	Rome 8 – 27 may 2008
Granted qualification	Building Energy Certification – code CENED 188
Main subjects /professional skills acquired	Building Energy Certification – Protocol SACERT 025-2008 COL
Name and type of the Institution providing training	KYOTO CLUB
Date	Rome September 2006
Granted Qualification	Renewable energy sources Expert
Main subjects /professional skills acquired	Incentivisation of Energy Production from renewable sources
Name and type of the Institution providing training	KYOTO CLUB
Date	Rome January – December 2005
Granted Qualification	Designer of Photovoltaic Plants, Incentivisation
Main subjects /professional skills acquired	Photovoltaic Plants Design
Name and type of the Institution providing training	KYOTO CLUB
Date	Rome September 2005
Granted Qualification	Wind Plants Designer
Main subjects /professional skills acquired	Design and construction of Wind Plants Green Certificates
Name and type of the Institution providing training	SCUOLA SUPERIORE DI PUBBLICA AMMINISTRAZIONE DI LUCCA (School of Administration – Lucca)
Date	January – July 1996
Granted Qualification	Public Works Coordinator Diploma
Main subjects /professional skills acquired	Management of Design and Tender execution procedures related to Public Works in accordance with “Legge Merloni”
Name and type of the Institution providing training	UNIVERSITÀ L.U.I.S.S. ROMA
Date	February – June 1996
Granted Qualification	Management Expert – Integrated water service

Main subjects /professional skills acquired	Financing, organization, Integrated water service management according to "Legge Galli"
Name and type of the Institution providing training	POLITECNICO DI MILANO DIPARTIMENTO INGEGNERIA SANITARIA (Polytechnic University of Milan - Healthcare Engineering Department)
Date	1976
Granted Qualification	Master in Sewage disposal Plant management
Main subjects /professional skills acquired	Design, construction and management of Sewage disposal Plants
Name and type of the Institution providing training	POLITECNICO DI MILANO DIPARTIMENTO URBANISTICA (Polytechnic University of Milan - City Planning Department)
Date	1976
Granted Qualification	Master in Technical City Planning
Main subjects /professional skills acquired	Design and management of City Plans
Name and type of the Institution providing training	REGIONE UMBRIA CONSORZIO BENI CULTURALI (Regional Consortium of Umbria – cultural assets)
Date	1985
Granted Qualification	IT Adult Education - 43+43 hours
Main subjects /professional skills acquired	IT systems utilization
Name and type of the Institution providing training	UNI ENTE ITALIANO UNIFICAZIONE (UNI Italian Unification Authority)
Date	June 2001
Granted Qualification	Basic Course – Quality Systems - 24 hours
Main subjects /professional skills acquired	Quality Systems Certification
Name and type of the Institution providing training	SCUOLA SUPERIORE TRASPORTI REGIONE UMBRIA (School of Administration – Transports – Umbria)
Date	2002
Granted Qualification	Local Public Transport Reform - 24 hours
Main subjects /professional skills acquired	Management of Public transport systems
Name and type of the Institution providing training	ASS.I.R.C.CO Associazione Italiana Ristrutturazioni e Consolidamento Costruzioni (Italian Restructuring and building Consolidation Association)
Date	November 1979 – July 1981
Granted Qualification	Historical Monuments restoration and anti-seismic design - 24 + 60 hours
Main subjects /professional skills acquired	Anti-seismic design and restoration of monumental buildings
Name and type of the Institution providing training	UNI ISTITUTO SUPERIORE ANTINCENDIO (National Fire Academy)
Date	January 1996
Granted Qualification	Course on fire regulations - 24 hours
Main subjects /professional skills acquired	Fire regulations expert
Name and type of the Institution providing training	SCUOLA DI PUBBLICA AMMINISTRAZIONE DI LUCCA (School of Administration – Lucca)
Date	March – June 1997
Granted Qualification	Master as Sole Public Works coordinator - 100 hours
Main subjects /professional skills acquired	Public Works Coordinator:
Name and type of the Institution providing training	ENEA DIPARTIMENTO ENERGIA (Enea Energy Department)

Date April 1998  
 Granted Qualification Organization and Management of Technical Reports Control in accordance with Law 10/91 - 16 hours  
 Main subjects /professional skills acquired Technical Reports Evaluation according to Law 10/91:  
 Name and type of the institution providing training POLITECNICO MILANO FACOLTA' DI ARCHITETTURA (Polytechnic University of Milan – Faculty of Architecture)

Date May 1998  
 Granted Qualification "Work Supervisor and Construction safety coordinator"  
 Training Course in accordance with Legislative Decree 494/96 – 120 hours  
 Main subjects /professional skills acquired Responsible and Coordinator of Project safety and execution at building sites;

**Skills and personal competences**

Mother tongue **Italian**

Other languages **English**

Self - evaluation

Understanding		Speaking		Writing
Listening	Reading	Spoken Interaction	Spoken Production	
Basic	Good	Basic	Basic	Basic

Social skills Good social and listening skills. Problem solving ;

Organizational skills Management of inter-disciplinary design Teams working on specific projects; cooperation with all concerned Institutions;  
 Management of the relationship with State, regional or provincial Authorities related for Public Works projects and projects concerning the production of electricity via renewable sources, as a Designer, Work Supervisor and Sole Responsible of the Works or Project Manager;  
 Management of procedures and Public works sites; construction of photovoltaic plants or large wind plants;  
 Management of authorization procedures, V.I.A procedures (Environmental Impact Evaluation) of projects concerning renewable sources power plants.  
 Maintaining relations with industrial companies dealing with energy auditing; Preparation of projects and realization of energy containment measures; construction of renewable sources power plants.  
 Organization and management of energy audits EN16247

Technical skills	<p>Energy audits, preliminary activity of White Certificates, (Feed-in tariff) Conto Termico, planning and direction of energy efficiency measures;</p> <p>Management of procedures related to the realization of Public Works and renewable energy power plants as Sole Responsible of the Works or project manager and direction of structural works</p> <p>Design and direction of hydraulic works</p> <p>Design and management of works related to Photovoltaic and wind plants;</p> <p>Static, technical and administrative testing of construction works in the following fields: hospital, school, sport, civil buildings, water cycle works, road works;</p> <p>Non-destructive testing for final inspection;</p> <p>Evaluation and testing of photovoltaic power plants;</p> <p>Specific expertise in the management of controversies related to F.E.R. central projects, reached through the successful management of tens of procedures;</p> <p>Design, supervision and testing of energy efficiency interventions (civil and industrial);</p> <p>Energy Manager in accordance with Law n° 10/91</p> <p>Implementation of ESCO activities as provided for by UNI 11352</p> <p>Development, construction and management of public lighting efficiency projects;</p> <p>Energy Certification of buildings.</p>
Computer skills	<p>Office, Autocad, Project; etc.</p> <p>Use of instrumentation and software for the design and testing of Photovoltaic plants.</p>
Artistic skills	<p>Professional Photography;</p>
Other skills	<p>Drafting and management of yearly Plans and multi-year programs related to public and private works.</p> <p>Coordination and management of project teams and projects; skill acquired carrying out the role of local public service Manager and Sole Responsible for the procedures related to public works projects and construction sites.</p> <p>Volunteer work carried out providing technical aid to population hit by natural disasters, such as the 1979 Irpinia earthquake, the 1997 Valnerina earthquake and the 2000 earthquake in Narni.</p> <p>Didactic work during seminars and refresher courses related to public works regulation, aimed at engineers, freelance architects and public servants.</p> <p>Speaker at conventions dealing with renewable sources of energy and the Kyoto Protocol.</p> <p>Deep knowledge of the problems concerning the use of hydrogen as an energy vector ; speaker during specialized study meetings.</p> <p>Study and settlement of disputes concerning Public works tenders; Tester and Arbitrator.</p>
Driving Licence	<p>Patente B</p>
<b>Attachments</b>	<p>List of tested Works in these last 10 years.</p>
<b>Signature</b>	<p>I authorise the use of my personal data in compliance with Legislative Decree 196/2003 "Codice in materia di protezione dei dati personali" (Privacy Law)</p>

NARNI, 07/03/2017

**PERFORMANCES (2006 – 2015) IN THE ENERGY SECTOR : IN PARTICULAR CONCERNING TESTING ACTIVITIES**

CUSTOMER	YEAR	TYPE OF WORK	SIZE	TECHNICAL - ADMINISTRATION	STATIC	ELECTRICAL	THERMAL	P.A.C.F.A.C* PV
TERNIENERGIA S.p.A	2006-2013	Plant maintenance continuous consulting	The entire PV park of the customer					
GENERAS.p.A.	2010-2015	Plant maintenance continuous consulting	The entire PV park of the customer					
TERNIENERGIA S.p.A.	2006-2013	Ground Mounted PV system	50 MW	YES	YES	YES		YES
TERNIENERGIA S.p.A.	2006-2013	Ground Mounted PV system	200 MW	YES	YES	YES		YES
A.T.C.TERNI	2010	Maratta Depot Ground Mounted PV system	0,35MW	YES	YES	YES		YES
CONSORZIO AREE INDUSTRIALI TERNI	2010	PV Plant at the ex Ansaldo Fuel cell Maratta Factory	0,5MW	YES	YES	YES		YES
EDF Energie nouvelle	2009-2010	Photovoltaic Plants - Puglia	15,0MW	YES	YES	YES		
GEPROGETTI3i S.p.A.	2010	Integrated Photo voltaic plants	1,5MW	YES	YES	YES		YES
GEPROGETTI3i S.p.A.	2010	Ground Mounted PV system	10,0MW	YES	YES	YES		YES
GENERAS.p.A.	2011-2013	Ground Mounted PV system	12,0MW					YES
IBERDROLA INGEGNERIA S.p.A/SUN & Soil .	2011-13	3 PV ground plants in Sciacca (AG)	7,3MW	YES	YES	YES		YES
RECETTO ENERGIA	2010-2013	PV plant in Recetto (NO) integrated with projecting roof	2,76MW	YES	YES	YES		YES
NEXFLOWER S.r.l.	2011-2012	PV plant in Tarquinia integrated with greenhouses-controversy	2,5MW	YES	YES	YES		YES
VERENERGY S.r.l.	2013	PV integrated plant - Latina	0,25MW	YES	YES			YES
JUWI S.p.A/Sun & Soil	2012	PV ground plant in Sciacca (AG)	5 MW	YES	YES			YES
GRUPPO BIOGREENENERGY	2010-2011	PV ground plant in Nettuno (LT)	2,0MW	YES	YES	YES		YES
GRUPPO BIOGREENENERGY	2011-2013	PV ground plant Guglionesi (PE)	5,0MW	YES	YES			YES
Valmontone Sun S.r.L.	2013	PV plant - Integrated rainbow parking - Valmontone (ROMA) - renovation	2,0MW		YES			YES
MILISENERGY S.r.L.	2012-2013	PV plant in Milis (OR) greenhouses - controversy	12MW		YES			YES
BELECTRIC S.r.L.	2013	Survey on irradiation controversy on PV greenhouses plant in Latina	2 MW		YES			YES
ECLIPSES.r.L.	2013	Integrated PV plant in Marsciano (PG) with renovation	200 KW		YES			YES
VIME S.r.l./S.E.R.I. S.p.A.	2013	PV plant in Alife (CE) controversy and renovation	3,45 MW		YES			YES

<b>MARCHEENERGIA S.r.L./WISE ENERGY</b>	2012-2013	5 PV plants in Ascoli Piceno controversy and renovations	5 MW		YES			YES
<b>GRUPPO BIOGREENENERGY</b>	2011-2013	PV plants in Palata (PE) and Vinchiaduro (CB) with renovation	2,0 MW	YES	YES			YES
<b>COMUNE DI AMELIA</b>	2006-2013	Urban Development Via Nocicchia	1.100.000	YES	YES			
<b>COMUNE DI AMELIA</b>	2003	Enlargement Orsini Prim. School	100.000	YES	YES			
<b>COMUNE DI AMELIA</b>	2003	Construction of the City Hall	150.000	YES	YES			
<b>COMUNE DI AMELIA</b>	2004	Ecological Platform	50.000	YES	YES			
<b>COMUNE DI AMELIA</b>	2008-2013	Public swimming pool	2.000.000	YES	YES	YES	YES	
<b>COMUNE DI AMELIA</b>	2008	Nursery school	2.000.000	YES	YES	YES	YES	
<b>A.T.C. TERNI</b>	2005	Office Bldg in Terni	1.000.000	YES	YES	YES	YES	
<b>A.T.C. TERNI</b>	2005	Bus depot in Avigliano	700.000	YES	YES			
<b>COMUNE DI AMELIA</b>	2014	Project financing public lighting efficiency management	2.000.000			Preliminary Project		
<b>COMUNE DI CAMPELLO</b>	2014	Project financing public lighting efficiency management	800.000			Preliminary Project		
<b>COMUNE DI NORCIA (PG)</b>	2015	Project financing public lighting efficiency management	1.500.000			Preliminary Project		
<b>COMUNE DI SAN GEMINI (TR)</b>	2014	Project financing public lighting efficiency management	1.200.000			Preliminary Project		
<b>COMUNE DI CASDELTRARDI (PG)</b>	2014	Project financing public lighting efficiency management	918.707			Preliminary Project		
<b>COMUNE DI UMBERTIDE (PG)</b>	2014	Project financing public lighting efficiency management	3.236.042			Preliminary Project		
<b>COMUNE DI SAN SEPOLCRO (AR)</b>	2015	Project financing public lighting efficiency management	4.507.630			Preliminary Project		
<b>COMUNE DI GUBBIO (PG)</b>	2015	Project financing public lighting efficiency management	5.865.096			Preliminary Project		
<b>COMUNE DI SPINAZZOLA (BAT)</b>	2014	Project financing public lighting efficiency management	1.963.109			Preliminary Project		
<b>COMUNE DI GIOVINAZZO (BA)</b>	2014	Project financing public lighting efficiency management	4.013.274			Preliminary Project		
<b>ALL FOODS TERNI</b>	2016	Energy Audit Cooking centres in Albano and Cassino						
<b>COMUNE DI ORTE</b>	2016	Energy Audit primary schools in Orte and Orte Scalo						

PROVINCIA DI TERNI	2016	Energy Audit of the Prefecture Building in Terni						
PROVINCIA DI TERNI	2016	Energy Audit of several High school buildings						
COMUNE DI SCHEGGINO	2016	Energy Audit of Health centre and nursery school						
RECOMA S.RL. APRILIA	2016	Energy Audit of an industrial factory in Aprilia						
COMUNE DI AMELIA	2016	Testing of the works of "Variante Strada Statale E S.S205"	5.000.000		YES			

**P.A.C.F.A.C\*:** these acronyms identify the Provisional Acceptance Compilation and the Final Acceptance Compilation, long term testing procedures on Performance Ratio (P.R.), the first being provisional (P.A.C. from 2 days to 1 year) and final (F.A.C. usually 2 years), as required by international contracts for the construction of large PV plants.

Narni, 07/03/2017