



Giuseppe PERFETTO

Renewable Energy & Project Manager

Sustainability Manager

CONTACT DETAILS

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Place and year of birth: Chieri (TO), Italy, 3/19/1967

Language: Italian, English,

LinkedIN Profile: <http://it.linkedin.com/pub/giuseppe-perfetto/29/191/699/>

EXECUTIVE PROFILE

- 20 years of experience working within energy, solar & renewables industry , related experience in consulting engineering, planning, EIA and utility energy efficiency programs.
- Solar energy professional Design (PV residential and industrial roof tops, BIPV, PV parks + thermal), design, planning, implementation and commissioning of solar projects, Energy & Resource Management Consultant, extensive knowledge of energy-efficiency technologies, programs and policies, energy use analysis and energy auditing
- Building's Energy Efficiency design, LC technologies, energy modeling, renewables, building science background, architectural & design services
- Strategic Project Planning and Concept Development & Energy Efficient Planning for Municipalities and public institutions within planning of sustainability consultancy and services.
- Academic and technicians/professional Teaching & Training Programs about Energy Generation, Environmental Impact Assessment, Location Systems for Energy Generation, Environmental Technical Physics, Zero Waste Policy, Solar Passive/Active Architecture, Renewable integration and building infrastructure systems, research & publication's consultancy.

EDUCATION

- **Master Degree** in Architecture (Technology & Energy) at Engineering School Polytechnic University of Turin , Turin Dec 1996.
- Honour Thesis: "The integration of PV solar systems with envelope components and energy distribution systems for buildings. " (rel. Profs. Mario Grosso, Evasio Lavagno).
- Bachelor at **Math and Science High School** Living Certificate, Giulianova (TE) 1985

PROFESSIONAL ASSOCIATIONS

- 2013 - (from) [Zero Energy Buildings Italian Network](#) vice president
- 2012 - (from) [Recorded in the Energy Certifiers](#) of Piedmont regional Register n.° 110149
- 2012-2017 Member of the Energy Focus – Regional Council of Architects
- 2008 (from) Professional test facilities registered with the Chamber of Commerce of Turin
- 2002 (from) n. 5437 Registered to the [Professional Association of Architects in Turin](#) from 07/02/2002

- 1997 (from) Member of the [International Solar Energy Society \(ISES\)](#) from 1997
- 1997 (from) Examination for [National Council of Architects](#)

SPECIFIC TITLES

- Energy Manager according to UNI EN 11339
- Regional Energy Certifiers Register no. 110149
- Health and Safety Coordinator in construction Site according to the Decree n. 81/2008
- Registered as expert with Polytechnic of Turin for the performance of teaching and educational activities integrative scientific disciplines,(SSD): ING / IND 19 – Location and Environmental Impact of Energy Systems, ING-IND/11 - Environmental Technical Physics. – 2010 (from) .
- Qualification as Health and Safety Coordinator in construction Site Decree n. 494/96 - Turin, Nov 2004.
- Development of facilities / educational courses for learning of hydrogen technologies" - Environment Park - Turin, Mag 2004.
- Remote management, accounting and Building Automation System (Digit / Andover Controls) - Turin, Jan. 2004.

SKILLS

- Expert knowledge of energy, environmental design and sustainability engineering in buildings. Building Physics and B. energy modeling
- Mechanical engineering and building physics including: heating, cooling, heat rejection, air and water distribution, ventilation, air conditioning, building automation and controls
- Sustainable and innovative approach to design
- Report writing
- Develop low carbon infrastructure solutions
- Construction Site Management and Health & Safety Coordination
- Project /Programme Management
- Academic & Professional Teacher

EDUCATIONAL /TEACHING ACTIVITIES (TURIN'S POLYTECHNIC AND MORE) :

- **Zero Energy Building Design Tools for professionals** (Architects and Engineers) – teacher in ZEBD Clinics in Matera, Bari, Taranto, Potenza, Agrigento, Lecce from 2014.
- **Laboratory of Technological Innovation** (FOT01) of Turin's Polytechnic AY from 2003 to 2017 : assistant / teaching assistant on energy issues and solar technologies for envelope integration -www.polito.it/
- **Techniques of Environmental Design** at the Milan's polytechnic : Assistant / teaching assistant for solar thermal and photovoltaic envelope technologies – Academic Years 2004-5. - www.polito.it/

PUBLICATIONS: BOOKS, ARTICLES, ESSAY, PROJECTS , CONFERENCE PROCEEDINGS

- G. Peretto : **Zero Energy Building & Sustainable Mobility Design Tools** - Energy Focus Chamber of Architects – Restructura XXX ed. Turin, 2017. november 17

- G. Peretto, F P Lamacchia Chairman: EUSEW 2017, **“Bioclimatic design, urban and building energy efficiency, passive cooling and natural ventilation in building construction Design in Mediterranean Climate”**, European Energy Day by EU during Sustainable Energy Week, 19-26th of June 2017, Workshop in UNIVERSITETI POLIS, held in TIRANA, Albania – 19th of June, 2017.
- G. Peretto, F P Lamacchia Chairman: EUSEW 2017, **Nearly-Zero Energy Buildings (nZEB) ’s Design in South Europe – Mediterranean Climate**, European Energy Day by EU during Sustainable Energy Week, 19-26th of June 2017, Workshop in ISCHIA Island , Italy – 22th of June, 2017.
- G. Peretto, F P Lamacchia : **Strategies for the Energy Transition** - from national policies to technical and economic issues of a building’s energy refurbishment XI. Energetikai Konferencia 2016 – Az épület energiája - Budapest, november 2016.
- G. Peretto, F P Lamacchia Chairman: EUSEW 2016, **“A case study of a Zero Energy Hotel in the Mediterranean Basin”**, European Energy Day by EU during Sustainable Energy Week of June 2017, Workshop in Council of National Research (CNR) , held in MESSINA, Italy – 23 of June, 2016.
- G. Peretto, F P Lamacchia: **Zero Energy Hotels and Sustainable Mobility in the Islands of Aegean Sea (Greece)** International Journal of Clean Coal and Energy, May 2016
- **Zero Energy Hotels and Sustainable Mobility in Rhodes island** – G.Peretto, F. Lamacchia - X. Energetikai Konferencia 2015 – Smart City Budapest, 2015. november 10.
- G. Peretto, F P Lamacchia Chairmans., Capital Matera **Zero Energy Resort, Sustainable and Competitive Hotels through energy innovation**, Nearly Zero Energy Hotels 2015 Conference, Acropolis Nice (France), June 24th, 2015
- G. Peretto, F P Lamacchia , Chairmans. EUSEW 2015, **Hydrogen for Energy and Sustainable Development (HforE&SD)** (Il vettore Idrogeno per l’Energia e lo Sviluppo Sostenibile) - European Energy Day by EU during Sustainable Energy Mounth of June 2015, Workshop on energy related-issues targeted to professional engineers, architects and technicians, (Thematic workshop for Technical Professionals engineers, architects, surveyors and appraisers)held in Matera, Italy – 11th of June, 2015.
- G. Peretto, F P Lamacchia , Chairmans. EUSEW 2014, **Nearly-Zero Energy Buildings (nZEB) ’s Design in South Europe – Mediterranean Climate**, European Energy Day by EU during Sustainable Energy Week, 23-27th of June 2014, Workshop on energy related-issues targeted to professional engineers, architects and technicians, (Thematic workshop for Technical Professionals engineers, architects, surveyors and appraisers), held in Matera, Italy – 27th of June, 2014.
- **“BIPV Building Integration Photovoltaics Systems: Technical & Architectural Issues”** - G. Peretto – The Masterbuilder n. 10 - 2010
- **"Enti Pubblici e Procedure" / “Collective Management of Public Organizations & Procedures”** - G. Peretto - Energia Solare FV No 5 years VI - Sept-October 2009 pp.100-103
- **"Speciale Involucri" / “Special Building Envelope”** - L. Raimondo - Costruire No 309 February 2009
- **“Sistemi Fotovoltaici e Termici – Strumenti per il Progettista” / “Photovoltaic and Solar Thermal Systems – Designer’s Handbook”** – G.Peretto and various authors – CELID - Torino 2006.
- **"Piccolo Libro Solare" / “Small Solar Book”** - G. Peretto - M. Voerzio: - Levrotto & Bella-Turin 2005
- **"I Sistemi Solari Fotovoltaici: Caratteristiche, Dimensionamento e Integrazione Architettonica” / “Photovoltaics Solar Systems: Requirements, design and building integration ”** - Lecture to the Laboratory of Technological Innovation (FOT1) -- G. Peretto - Politecnico di Torino, AA 2003-6.
- **“Gestione Sostenibile degli Edifici” / “Sustainable Building’s Management ”** – Imprese Edili - no.148 June 2004
- **“Fotovoltaico: L’energia giusta in città” / “Photovoltaics: The energy fair in the city”** - Elettro - Anno V No. 6, June 2004
- **"Building Integrated Photovoltaic Systems- Technical & Architectural Issues"** - IndiaCore web: well-researched information on the infrastructure & core sectors - 2003
- **“ Il Fotovoltaico e le aree naturali protette” / "The Photovoltaic and protected natural areas"** ref. pp.83-89 – Energia Solare FV , Anno3 No 5 / 2002

DESIGN / PROJECT / PROGRAM MANAGEMENT EXPERIENCE

- Contract & General Project Management: Procurement and Integration Management within Responsibilities as Negotiation of EPC contracts with construction contractors, Oversee project schedule ensuring that it is being adhered to throughout the EPC phase, Management of external consultants, Overall project support throughout construction, Overall change orders and constructability reviews, Health and Safety site Management and Supervision of site construction team.
- Responsible for the overall programming, planning, execution and success of engineering projects. Also in charge of managing the engineering team and overseeing operational staff who install, service, test, diagnose and repair mechanical/electrical plant and equipment.
- Design, Project Management, Permitting, Environmental impact Assessment (EIA) , Power plant yield analysis and due diligence, Architecture and Engineering of active solar systems with planning and supervision of energy saving and energy production , over 150 small (1-100 kWp) and 70 large (100 kW – 35 MWp) ground and building integrated solar photovoltaic and thermal systems Italy wide.
- Sustainable Buildings & Zero Energy Buildings Equipment design: Bioclimatic Architecture, Passive & Active Solar Buildings ; Building Efficiency: Energy audits to help housing authorities and building owners reduce costs and improve building efficiency , Design support for building energy systems, Building energy modelling, Development of renewable energy resources and technologies for commercial and residential applications
- Sustainable approach to building and urban design: environmental, social, and economical aspects of sustainability; carbon emissions and climate change; energy efficiency of the construction sector; Site-climate analysis: methods to assess solar and wind access/protection in relation to a specific location of a building to be designed; Design Programme: town-planning constraints; technological requirements; environmental requirements; Schematic design: building envelop; technical systems; design for health and comfort; Design evaluation: bioclimatic chart; solar control; natural airflow control; energy contribution of passive systems for heating, ventilation, and cooling.

Main Works performed as a professional in charge and solardesign studio owner; over 350 projects implemented designed and realized from 2001 in areas of expertise that include:

Energy Management, Energy Efficiency, Energy Consultancy, Energy Bureau, Energy Analysis, Energy Performance Contracting, Energy Performance Certificates, Environmental Impact Assessment EIA, Sustainable Design, Low Carbon Design, Passivhaus design, Thermal Modelling, Carbon Management, Sustainability Reporting, Circular Economy, Energy Storage, Smart Energy, Smart Grid, Smart Homes, Renewables, Solar, Offshore Wind, Anaerobic Digestion, Social Value, Energy Strategy, Sustainability Statements, Energy Regulation, Energy Policy, Climate Change, Climate Finance, Cleantech, Sustainable Construction, Academic and Professional Teaching.

Most professional activity:

- 2017> Design, Business Plan, EIA : Smart City & Sustainable Mobility for Turin Municipality Plan , <http://www.comune.torino.it> Torino
- 2017> Executive Design, Environmental impact assessment of “ Green Power for Rail” Project client Terna Spa www.terna.it
- 2016 > Design, Business Plan, permission, EIA for a Biomass Cogeneration plant in Aramengo (AT) based on energy production by pyrolysis of sewage sludge from Turin town - Efficient waste treatment to supply a Water Sport Center, client. GE_N S.r.l. – Turin
- 2016 > Zero Energy Building Design Tools – Teacher in ZEB School Training Clinics for Professionals (Engineers & Architects) in Matera, Bari, Taranto, Torino, Potenza, Agrigento, Lecce
- 2015 > Energy Audit of aqueducts sites: Increasing Energy plants efficiency and RES production in Asti province client.Acquedotto della Piana S.p.A ([/www.acquedottopiana.it](http://www.acquedottopiana.it)) ASTI - Italy,
- 2015 > Testing Energy Improvement and O & M PV Systems of school buildings owned by the [Provincial Authority Turin](http://www.provincia.torino.it) (TO)
- 2015 > Project & Programme manager in "Actions for the improvement of the infrastructure of the consortium" Increasing energy performance of existing buildings and plants through process and organization innovations in 18 Municipalities " (www.acquedottopiana.it) ASTI - Italy,
- 2014 > Permitting, Health and Safety, O&M Site managing PV systems for 6 MWp client Rete Rinnovabile (Terna Spa – www.terna.it)

2014 > Feasibility Study for a Biomass Cogeneration plant in Volpiano (TO) ,Feasibility study and business plan for a system of energy production by pyrolysis of sewage sludge from Turin town - Efficient waste treatment, client. [Energybiolab Ltd](#) – Turin

2014 > Design , Business Plan and System Energy Sizing of a Remote radio transmission unit powered by a Stand Alone PV system– client [Alenia S.p.A.](#)

2013 > Technical testing Energy Improvement of 25 school buildings owned by the [Provincial Authority Turin](#) (TO)

2013 > Design, executive plan and construction management in "[Zero Energy Buildings](#)" in San Benigno (TO) – [SolarDesign](#).

2013 > Designing training programs for engineers and architects on the theme "[Zero Energy Buildings](#)" client: [ECIPA](#) (TO) -

2012-13 > Executive Plan, the authorization process, Environmental Impact of PV system , 3 MWp for [Municipality of Santhià](#) (VC) -

2012 > Energy Efficiency and solar PV systems on buildings, Safety Coordination in Execution of work in accordance with Decree Law 81/08 for Municipality of Lauriano (TO) - <http://www.comune.lauriano.to.it/>

2012> Executive Design, Permitting , Health and safety of 5 large rooftop PV systems client Delta Srl (www.deltalotus.it)

2012 > Safety Coordination in the Design and Execution of work in accordance with Decree Law 81/08 Alessandria PV power plants - client OPDE Group - www.opdegrou.com

2011 > Executive Design, Permitting, EIA of PV system , 1 MWp for Municipality of Aramengo (AT) www.comune.aramengo.at.it

2011> Executive Design, Permitting, EIA of PV system PV systems 3 MWp client [Novaen Srl](#) and Enerpoint Spa – www.enerpoint.it

2010> Executive Design, the authorization process, Environmental impact assessment of PV systems 9 MWp client Terna Spa –

2010> Executive Design and EIA of 993 kWp PV system in Salmour (CN) client. [X-Tek. Spa](#)

2010 > Health & Safety in site for [Buildings Efficient Schools Provence Program](#) - client. Province of Turin, Building Efficiency Dep.

2009 > Safety Coordination in the Design and Execution of work in accordance with Decree Law 81/08 ref "Restoration of the building houses the "Museum of Santa Sindone" in Turin" on behalf of the [Brotherhood SS Shroud](#) - Turin.

2009> Feasibility Study and structural design, 998 kWp PV system in Turin (SITE) client. [IREN. Spa](#)

2009> Executive Project and Environmental Impact Study of [180 kWp PV system](#) in the Aosta Valley client [CVA Spa](#)

2008 > Energy Audit of industrial plants [Fiorentini's group](#) – in Arcugnano (VI) client. Pietro Fiorentini S.p.a

2008> Executive Project and Environmental Impact Study of 32 MWp Solar Park in Taranto client. Enerpoint Spa [EP SolarPark](#)

2008 > Safety Coordination in the Design and Execution of work in accordance with Decree Law 81/08 ref. "Interventions Installing Solar Systems on the roofs of industrial buildings in Avigliana" on behalf of CLP Srl

2007> Executive Design for Conference Center PV system in EUR Building (Arch Fuksas) in Rome client. AI-Group - www.aigroup.it

2007 > Safety Coordination in the Design in accordance with Decree Law 494/96 ref. Redevelopment through the use of Energy Technologies Solar Photovoltaic on the Institute Comprehensive A. Manzoni Priolo Gargallo (SR) Client: [Municipality of Priolo Gargallo](#)

2006 > Administrative Technical Inspection during construction "INITIATIVES TARGETED USE OF RENEWABLE ENERGY FOR THE PRODUCTION OF ELECTRICITY FOR SCHOOLS NEEDS" client. [Province of Turin, Building Efficiency Area](#)

2006> Photovoltaic system design and project management on new AMIAT SpA headquarters in Turin - www.amiat.it

2006> Photovoltaic system design and project management on the corporate AMIAT SpA headquarters rue Zini, Arbe and Germagnano in Turin [solardesign-arch-perfetto-portfolio PV-plants](#)

2005> Designer and Director of Works for the construction of a solar thermal system for the production of ACS at the ITIS A. Avogadro client. Province of Turin, Turin. [Avo Perfetto](#)

2005> Design and Calculation for construction of a solar thermal system for ACS and space heating environment at the new nursery A. Frank client. Municipality of Nichelino (TO) - <http://www.comune.nichelino.to.it/>

2001-6> Designer and Director of Works for solar thermal and photovoltaic systems client. Enerpoint S.p.A. - <http://www.enerpoint.it/sistemi/pannelli-fotovoltaici-installati.php>

2004> Design and execution prototypes photovoltaic roof for charging electric mobility client. Enerpoint SpA.

2004> XX Olympic Winter Games in Turin: Photovoltaic System Design and Calculation "Infopoint" Stand Alone system of multimedia information "TORINO 2006 Olympic Games" client. Polytechnic of Turin. - www.torino2006.it/ITA/OlympicGames/

2003> technical advice for the construction of a series of integrated photovoltaic power systems of private users of a building complex of new construction client. IFS Engineering - Padua – 2002 - <http://www.tifs.it>

2002> Technical consultancy for the realization of a photovoltaic plant connected to the grid of the power of 1 MWp client. Studio Rinaldi - Rome. 2002 <http://www.krprogetti.com/>

1997- 2001> Renewable Energy Design Consultant , privates customers client. Perfetto S.n.c.

PROFESSIONAL & ACADEMIC REFERENCES

LAVAGNO EVASIO

Senior Professor - Department of Energy-DENERG - invited member of the College of Power Engineering Politecnico di Torino - Corso Duca degli Abruzzi, 24-10129 Turin, ITALY
e-mail: evasio.lavagno@polito.it Tel: +39 0110904429

MUTANI GUGLIELMINA

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GROSSO MARIO

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PAOLO ROCCO VISCONTINI

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RAIMONDO LUCA

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date 2/01/2018

I authorize the processing of personal data, as indicated by art. 13 of Legislative Decree no. 30 June 2003, n. 196
I confirm that the information contained are true and demonstrable

signature

Giuseppe Perfetto