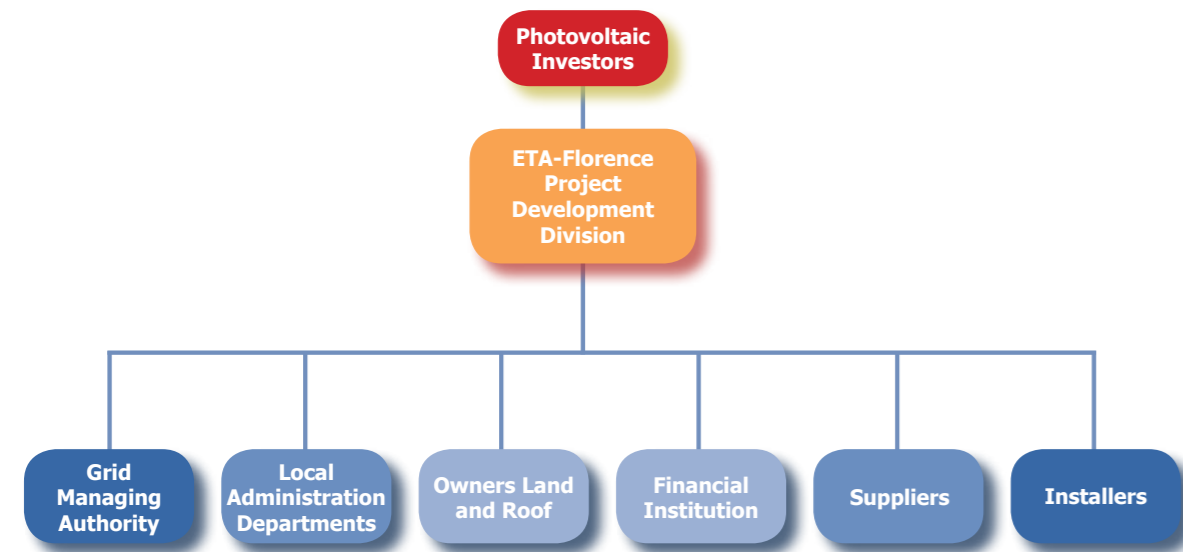


## Project Development



From 2007 ETA Florence has been providing consulting services for the development and implementation of **large photovoltaic plants** designed for ground surface and rooftop locations, by offering:

- Definition and localisation of suitable sites
- Negotiation with land and roof owners
- Environmental and administrative authorization management
- Engineering services for civil and electrical design
- Supply of photovoltaic panels and auxiliary components
- Security plan and coordination
- Identification of public & private funding

### Turnkey Plants

Thanks to it's experience, the multidisciplinary team of experts and relationships consolidated with major industrial members in the photovoltaic sector, ETA-Florence provides turn-key systems throughout Italy, taking care of all aspects, from planning to putting into service whilst abiding by the incentives of the Feed in Tariff.



Courtesy of Comet S.p.A.



etaflorence  renewableenergies

 Photovoltaic Systems Division

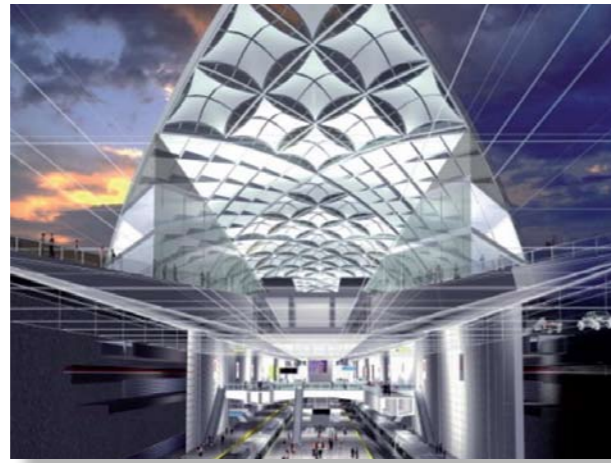
etaflorence  renewableenergies

Piazza Savonarola, 10  
50132 Florence - Italy  
Tel. +39 055 5002174 - Fax +39 055 573425  
eta.fi@etaflorence.it - www.etaflorence.it



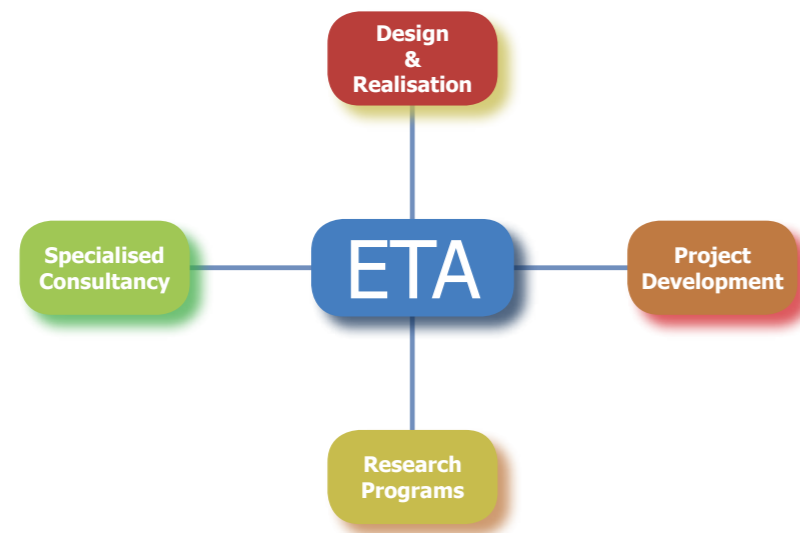


University Centre of Sesto Fiorentino (Florence)



High Speed Trains Station of Florence

## Our activities:



## Research & Development, Technology Transfer

ETA-Florence is actively involved in numerous research and technology transfer programs and initiatives based upon renewable energy on a national and international scale, including many in the photovoltaic field

- Cooperates with **ENEA** and Politecnico of Milan in Task 10 "Urban Scale Photovoltaic Application" PVPS program, sponsored by the International Energy Agency and coordinated nationally by the Italian Grid Services Operator (GSE)
- Participates in several **European Commission** projects, including PV Enlargement for the technology transfer and the promotion of Photovoltaic's in Europe and in PV Publish, for architectural and technical advice for integrated PV systems in public buildings
- A founding member of the Agenzia Fiorentina per l'Energia (Florence Energy Agency), which promotes initiative for developments of renewable energy, through informative and educational activities

## Design and Realization of Photovoltaic Systems

ETA-Florence provides engineering services for the design and the site management of various sizing rooftop or ground plants. ETA-Florence has designed more than 130 photovoltaic installations, forming a total power exceeding 18 MWp.

### Selection of projects in Italy

- 300 kW PV system roof-mounted on the warehouse for Comet S.p.A. - Marini Pandolfi S.p.A., Pontedera 2010
- Technical advice for the development and the achievement of photovoltaic plants: technical feasibility study of photovoltaic plants and network connection requirement and admission to the incentives. Prelios Property Management S.p.A. - Pirelli Group 2010
- 150 kW PV system roof-mounted on the warehouse for Comet S.p.A. - Rema Tarlazzi S.p.A., Ancona 2010
- 308 kW PV systems integrated in the rooftop of the new High Speed Trains Station (TAV-RFI), Florence 2004-2010
- 6 MW in 6 solar parks for Q-Cells International Italia, 2009
- 1 MW PV system roof-mounted on the megastore for Comet S.p.A., Budrio (BO) 2009
- 192 kW PV system on the covering of industrial building for Endress + Hauser Sicestherm, Pessano con Bornago (MI) 2009
- 210 kW PV system in the complex Belfiore area - High Speed Trains Station (TAV) for RFI (Italian Railways), Florence 2009
- 205 kW PV systems roof-mounted on 2 buildings for Publiambiente, Environmental Public Service Company, Empoli 2009
- 20 kW roof-mounted for A.A.M.P.S. Environmental Public Service Company, Livorno 2009
- 2 x 1.7 kW PV charging station for electric vehicles, Municipality of Florence 2008-2009
- 2.5 MW PV systems integrated into 30 RFI railway stations in Apulia, 2008
- 366 kW PV system roof-mounted on the megastore for Comet S.p.A., S. Giovanni Persiceto, Bologna 2007
- 296 kW for a composting plant Quadrifoglio SpA, Florence 2007
- 47.8 kW for a farmland Ditta Ferrarini, Pieve Fosciana, Lucca 2006
- 56 kW roof-mounted on residential buildings for ERP S.p.A., Massa Carrara 2006
- 400 kW roof-mounted on municipality buildings for Azienda Energetica Bolzano 2006
- 96 kW PV system for the new Palace of Justice, Municipality of Florence, 2005
- 100 kW PV system, integrated into the roofing of the terminal of the Orio al Serio Airport, Bergamo 2005
- 20 kW integrated in the University Centre of Sesto Fiorentino, Florence 2004
- 160 kW PV plants between 2 and 20 kW realised in the program "10.000 photovoltaic roofs" from the Italian Ministry of Environment, 2001-2003



Q-Cells, 6MW in 6 solar parks



Comet S.p.A., 1 MW PV system roof-mounted on the megastore, Bologna



Endress + Hauser Sicestherm, 192 kW PV system on industrial building, Milan



Quadrifoglio S.p.A., 296 kW for a composting plant, Florence



Azienda Energetica Bolzano, 400 kW on municipality buildings, Bolzano

## Specialised Consultancy

ETA-Florence gives specialised consultancy on photovoltaics for architectural and engineering divisions and provides assistance for planning, designing and upgrading in the civil and industrial sectors.

### Special Projects Foster + Partners

Since 2004 ETA-Florence collaborated with the Foster + Partners International Architecture and Design Studio, which has produced several studies for major international projects:

**The Rimini Masterplan**, Rimini, Italy 2008  
Executive project for a photovoltaic plant

**Monaco Yacht Club**, Monaco 2008  
Executive project for a photovoltaic plant

**Motor City Aragon**, Aragon, Spain 2007-2010  
Energy plan based on renewable energy sources

**Faustino Winery II**, Gumiel de Hizan, Spain 2007-2008  
Study of a Thin Film photovoltaic system

**Masdar Development**, Abu Dhabi, United Arab Emirates 2007  
Energy plan based on renewable energy sources

**Aldar Central Market**, Abu Dhabi, United Arab Emirates 2006  
Study of an integrated photovoltaic system

**High Court of Justice and Supreme Court, City of Justice**, Madrid, Spain 2006  
Study of an integrated photovoltaic system

### Masdar Development, Abu Dhabi, United Arab Emirates 2007



Photos source: www.fosterandpartners.com

The Masdar Initiative sought by the Government of the United Arab Emirates, aims to create a prototype of a sustainable city where residents and commuters have the highest quality of life with the lowest environmental footprint. The masterplan study by Foster + Partners, is an ambitious project which aims at promoting research and development systems for renewable energy and creating a sustainable model for cities of the future. ETA-Florence was responsible for the energy planning of Masdar City, which required a detailed analysis of renewable energy available, the estimated production, simulation of energy supply, the demand and strategic integration of various types of technologies in this difficult environmental context.



Aldar Central Market



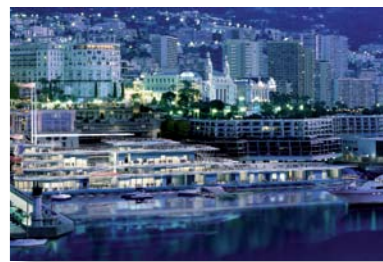
High Court of Justice and Supreme Court, City of Justice



Faustino Winery II



The Rimini Masterplan



Monaco Yacht Club