

DAWNING

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Development and Application of Wireless technology for building energy and environmental audit

Applicant: Politecnico di Torino

Project Partners:

- **Capetti Elettronica S.r.l.**
- **Onleco S.r.l.**

DAWNING is a project financed by Regione Piemonte within the regional Proclamation for the industrial research and the competitive development for the year 2006 regarding alternative and renewable energies.

The project foresees the execution of energetic and environmental monitoring for different buildings, with innovative systems of measure using wireless technology obtaining a numerical analysis through methodologies of modelling founded on inverse approach and specifically black-box type.

The **DAWNING** project foresees the following activities:

- development of wireless technology-based tools to effect the energetic and environmental monitoring;
- development of protocols for the application of the wireless technology to the energetic and environmental monitoring;
- development of methodologies for energetic and environmental evaluation;
- application of tools and protocols to methodologies and case studies.

The results coming from the project may contribute to the improvement of the following applications:

- buildings energetic certification;
- indoor environment certification;
- energetic and environmental diagnosis;
- building energetic imprint.

The **DAWNING** project re-enters in the objectives of the VI European Community research and development program, in order “to realize a sustainable development integrating the relative environmental, economic and social objectives, with particular respect to the renewable energies, transports and the sustainable management of the terrestrial and marine resources of Europe.”

Coordinator of the project: prof. Vincenzo Corrado (Politecnico di Torino)

<http://dawning.tebe-energy.eu/index.aspx>