



Title of the project: ATEMIND

Programme: Intelligent Energy for Europe

Key Action: SAVE – Energy Efficiency – Industrial excellence in energy

<p>The starting point</p>	<p>Industrial energy consumption in Europe has progressively increased for the last decade, which has caused a great rise on the production costs at the same time that has minimized the competitiveness of those industries with a high number of small and medium enterprises.</p> <p>The lack of energy saving evaluation and planning methods in areas with a high activity, together with the lack of easy diagnosis tools that allow taking decisions in an easy and effective way, is preventing the implementation of new saving policies related to small and medium enterprises.</p>
<p>The objective – the tool</p>	<p>The project aims at developing, testing and implementing an energy management computer tool for the comprehensive diagnosis, evaluation, simulation and decision taking in the development of energy efficiency and saving in industrial areas and companies located in medium-sized municipalities, where, in general, there are no possibilities to develop advanced energy management measures.</p> <p>ATEMIND wants to focus on the industry concentrated around small and medium municipalities, where, traditionally, access to technology and innovation is more difficult and where there is a high concentration of companies of all sectors with a high impact both on the energy consumption and the environment.</p> <p>The prototype will be based on a web application open to the use of any municipality and industrial sector, which will allow the planning and monitoring of actions for energy improvements.</p> <p>The system will allow the implementation of collective energy management mechanisms in industrial areas, urban areas with companies or shopping streets, being energy management of urban business one of the most advanced tools of the proposed system.</p> <p><u>The tool created will allow, among other things:</u></p> <ol style="list-style-type: none"> 1) Simulation studies for the implementation of common energy services. 2) Conduction of energy inventories. 3) Systematizing the optimization of electricity invoices of companies. 4) Viability studies for the establishment of more efficient and sustainable energy technologies. 5) Estimate of the potential saving in terms of consumption,

	<p>both economic and environmental, as well as the set in motion of specific actions for energy saving and efficiency.</p> <p>At last, the reduction of energy costs will lead, what is more, to the creation of competitive advantages for those municipalities and areas with a high entrepreneurial concentration, which can encourage the establishment of new companies and the improvement of the competitiveness of the existing companies.</p> <p>In this sense, ATEMIND pursues a double objective contributing to the 2020 EUROPE goals, by promoting energy saving of SMEs at the same time that improves their competitiveness by introducing elements for the reduction of energy current costs. Finally, the project could be an opportunity to develop new entrepreneurial services in the field of green economy.</p>
<p>The results - objective</p>	<p>A 2.0 portal will be created in order to support the management of the project and to include the evaluation and monitoring elements where the following sub products will be developed:</p> <ol style="list-style-type: none"> 1) Self-learning: space that will disseminate training materials (guides) free of charge for the users of the platform. 2) Energy-Stage: one-week stays in companies and business areas for the transfer of knowledge. 3) ATEMIND Indicators Panel: the heterogeneous structure of the project will allow the simulation of consumptions and measures in different business areas and, this way, create operation patterns for the implementation of the service in similar territories. 4) ATEMIND SAVE MODEL: the project will define an energy efficiency model for different territories and industrial areas. Based on this result, the communication plan of the project will be defined, which will include a KNOWLEDGE TRANSFER service: each partner will organize an international seminar for the transfer of results in a territory of a different country, providing them with the technology to conduct the study and establish consensuated measures.
<p>Partners sought</p>	<ul style="list-style-type: none"> ▪ Municipalities, clusters and/ or industrial areas of small/ medium size, with no more than 200 companies, from the following countries: France, Germany, United Kingdom, Belgium and Italy. ▪ With the aim to obtain one result for each business

	<p>territorial establishment model, these municipalities will work on the following types of industry: industrial area close to a municipality, shopping area in urban centre, industrial cluster and business parks.</p> <ul style="list-style-type: none"> ▪ On the other hand, a university or specialized research center is sought for the development of the monitoring and model elaboration tasks after the pilot experimentation in the selected territories. ▪ With the aim to communicate the project, an industry association at a European level is sought for the dissemination of the results and the technology obtained among associates, as well as the organization of the exchange and technology transfer program.
<p>Budget</p>	<p>Total budget: 800,000 Euros.</p> <p>Budget for the lead partner of the project: 250,000 Euros.</p> <p>Budget for each partner: 100,000 Euros.</p> <p>Budget for the technological/ University partner: 75,000 Euros.</p> <p>Budget for the European Industry Association: 75,000 Euros.</p> <p>*Project promoted by Green Europe Consulting.</p>