

## PARTNER is looking for a Project

### 1.) PARTNER OFFERED

Organisation	CEMOSA	Type of organisation (IND, SME, RES, HE, others)	<input type="checkbox"/> IND
Contact person	Noemi Jimenez-Redondo		
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Role in desired project	technology development : dissemination : X	research : X demonstration :	training : other : X
Topic/s in which I am interested	EeB.ENV.2012.6.6-2 Concepts and solutions for improving energy efficiency of historic buildings, in particular at urban district scale		
Expertise offered and what I would like to do	<p>CEMOSA is an Andalusian engineering and quality control company (Spain) in the field of construction (including transport infrastructure engineering, hydraulic projects, building engineering and industrial projects) born in 1972 and employing around 500 people.</p> <p>CEMOSA's activities are structured in seven business lines:</p> <ul style="list-style-type: none"> <li>i) Building and Industrial Engineering,</li> <li>ii) Transport Infrastructure Engineering,</li> <li>iii) Geotechnical Engineering,</li> <li>iv) Construction Material Quality Control,</li> <li>v) Health and Safety Coordination,</li> <li>vi) Product Certification and</li> <li>vii) Research, Technological Development and Innovation.</li> </ul> <p>In this topic, CEMOSA can offer its experience and skills on energy efficient building. The solutions implemented should be cost effective. CEMOSA propose to tackle the issues listed below within the project. CEMOSA has experience to work on all of them:</p> <ul style="list-style-type: none"> <li>• Selection of one or several demonstrators. It is important that the demonstrator can be replicated in large areas in Europe</li> <li>• Development of demonstrators' energy audits prior to the development of the project (for the sake of comparison after the implementation of the project).</li> </ul>		

	<ul style="list-style-type: none"> <li>• Analysis of the possible incorporation of Renewable Energy Sources, energy storage and distribution. All of them should be cost effective and suitable for historic buildings. It is important to remark that the appearance of the building should remain. Therefore, new developments should be as little invasive as possible.</li> <li>• Analysis and improvement of water management. This will be of applicability in the case that the demonstrator is a group of historic building with an actual use (like government offices, college building, etc). In case the building is a museum, the use of water will be less relevant.</li> <li>• Analysis and improvement of waste management. Again, the relevance of this issue depends on the use of the demonstrator.</li> <li>• Development of a monitoring system suitable for old buildings. Wireless technologies should be favoured. Selection of most significant parameters to control.</li> <li>• Development of an intelligent building energy management system able to anticipate energy uses and to communicate with utilities in order to buy resources (like energy) at lowest prices periods and even to sell energy generate within the neighbourhood to the utility.</li> </ul> <p>This proposal should include local authorities.</p>
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**I am familiar with the European Framework Programme :**

<b>YES X</b>	<b>NO</b>
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Regarding the 7<sup>th</sup> Framework Programme, CEMOSA is coordinating two projects, one in the call of Transport (ACEM-Rail: *"Automated and cost effective maintenance for railway"*) and another one in call of Energy Efficient Buildings (SEEDS: *"Self-learning energy efficient buildings and open spaces"*). CEMOSA also coordinated a project into the 5<sup>th</sup> Framework Programme (SMARTCOMP: *"Fibre optic Sensors for the Monitoring of Composite Strengthened Structures"*).

## **2.) COORDINATOR / PROJECT sought after** (for proposal submission only)

<b>WP topic :</b>
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### **Project type**

Large scale integrating collaborative project	
Small or medium-scale focussed research project	
Collaborative projects targeted to SMEs	
CA or SSA	
Network of Excellence	

<b>Keywords of project:</b>	
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**I AGREE WITH THE PUBLICATION OF MY DATA**

**PLEASE FILL IN THE PROFILE FORM AND RETURN IT TO: [mariajose.tomas@cdti.es](mailto:mariajose.tomas@cdti.es)**