

General information	
<b>Category</b>	<b>Design and planning</b>
<b>ID</b>	<b>QM 9.1</b>
<b>Title</b>	<b>Best practices in the Alpine Building Renovation</b> Traditional buildings renovation and energy efficiency. A difficult compromise
<b>Duration</b>	4.5 hours
<b>N. participants</b>	20-30
<b>Location</b>	The course takes place in a conference room with a guided visit on the pilot building (ERSAF premises in Chiuro)
<b>Target group</b>	<b>architects and planners</b>
Characteristics of the Qualification Module	
<b>Aims</b>	To foster a discussion about the possibility to provide architects and planners working with the old and traditional buildings renovation hints and suggestions in order to combine a renovation respectful of the building features and reaching at the same time a decent level of energy efficiency.
<b>Methodic Approach</b>	<p>The module is organized as a front class lecture (in a conference room) with slides, with a duration of about 3 hours, followed by a guided visit of about 1 hour on the pilot building, aiming to see some of the previously presented issues and to have a practical point of view. After the visit a discussion again in the conference room takes place in order to exchange ideas about the possible solutions.</p> <p>The visit on the pilot building has carried out combining building historical features with the related structural characteristics and showing that these two approaches are strictly linked with the energy behavior of the building itself (this point will be fostered within the Construction Site concept).</p> <p>A folder with AlpHouse brochure as well as the training program is distributed to all the participants. In the folder it's included also a 'satisfaction questionnaire' in order to let the attendants state their opinions about the contents dealt with and the used methodology, ask further clarifications and suggest subjects to deepen in next meetings.</p> <p>After the event all the presentations will be downloadable from the website and each participant will receive a certificate of attendance.</p>
<b>Contents</b>	<ul style="list-style-type: none"> <li>AlpHouse philosophy</li> <li>Evolution of energy efficiency regulations and Energy Pass in Lombardy Region</li> <li>Modeling building-heating-systems in traditional building for an energy analysis</li> <li>Monitoring a traditional building in order to analyze consumption and assess thermo technical behavior. Energy audit and energy improvement solutions with priority scale</li> <li>Guided visit on the building</li> </ul>
<b>Learning outcomes</b>	<ul style="list-style-type: none"> <li>AlpHouse philosophy: a new way of think about energy efficiency in old and traditional buildings</li> <li>There are many examples of vernacular intelligence in our pilot villages and buildings and these teach us that the shape is strictly related to the function</li> <li>Some mistakes in past renovation works on the analyzed building have been done but we can learn from these</li> </ul>

	<ul style="list-style-type: none"><li>▪ The building knowledge (structure, position, functions...) is unavoidable from its specific context</li><li>▪ The sharing and direct experience are fundamental</li></ul>		
Final Certification	Attendance certificate		
Conception			
PP Leader	ERSAF		
Contact person	Alessandra Gelmini, Maria Grazia Pedrana		
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QM Experiences			
Performing institution	ERSAF		
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Status	Done		
Location	Chiuro (SO)		
Date	16 November 2011		
Trainers	Ing. Carola Carmignani CESTEC SpA	e-mail	carmignani@cestec.it
	Ing. Marta Di Matteo CESTEC SpA	e-mail	dimatteo@cestec.it
Available material	Fine Planning (Eng) – Presentations and slides (IT) – Brochure (IT)		
Photos	Architect_Room.jpg; Architect_GuidedVisit.jpg		









ERSAF

Il Progetto **AlpHouse**: conservazione e sviluppo  
del patrimonio culturale alpino, ottimizzazione  
efficienza energetica e costi del ciclo di vita

AlpHouse.eu




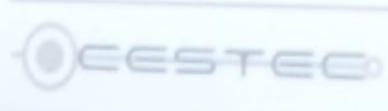


Corso di formazione per tecnici comunali  
**Efficienza e certificazione energetica in edifici tradizionali. Il ruolo del Comune. II Parte**

L'evoluzione della normativa in materia di efficienza e certificazione energetica in Regione Lombardia e il ruolo del Comune

Ing. Carla Carmignani - CESTEC SPA (ARFA EDILIZIA SOSTENIBILE)

Chiuso, 17 novembre 2011



Ing. Carla Carmignani

C. CARMIGNANI  
CESTEC SPA