

The Integrated  
Safe & Smart Built Project  
I-SSB



## **I-SSB (Integrated Safe and Smart Built Project)**

Rinicom Ltd is a partner in the I-SSB project the aim of which is to design an earthquake-resistant intelligent house that is able to self-heal cracks in its own walls and monitor for vibrations and possible gas leaks through an intelligent sensor network.

22 Partners industry-led-from 11 Countries are collaborating to develop a new modular lightweight multi-level building concept based on multifunctional, load bearing dry-wall systems coupled with smart steel stud frame components.

Rinicom's responsibility in this project is to develop and implement a communication and sensory network infrastructure, insuring that real-time sensor data from the build house will be available online to authorised users. In addition, Rinicom is to develop and install wireless video surveillance system allowing real time monitoring of the house construction in Amphilokhia, Greece, and video streaming from the inside of the mockhouse, which will be tested during the stimulated Earthquake.

In the running of this project Rinicom is closely cooperating with some of the leading companies and research institutes in construction and technology. Our partners include: Knauf, University of Leeds (UK), and University of Twente (NL).

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