

EurekaBuild (E!3790) Project Idea Form

> Title
Combi-Layers, combinable layer system for building façades.
> Describe your project idea
A multinational company is developing an innovative façade system for building. The main idea is to develop an industrialized façade system permitting the superposition of different functional and aesthetic layers within previously defined modules. This system permits the adaptation of the façade to changing needs of the building interior within its lifetime. The system design is already in an advanced stage. The construction of a prototype is foreseen for the year 2007.
> Please explain briefly your expertise
The involved partners are architects, responsible for the design. A company responsible for the building technology and the development towards a commercial system. iMat is developing the legal part for the commercialisation of the system, the technical validation of the proposed constructive details and simulations for the thermal behaviour of the system.
> Please describe what your contribution will be to this project (financial, technological,...)
The contribution of to this project is the technical know-how about the building integration of the façade system and the critical analysis of the proposed constructive details on a legal background in order to achieve a commercial product for the building market.
> Explain which type of contribution you are looking for (financial, technological,...)
The development of the façade system is being realised only for the Spanish building market. An adaptation to other European countries and building standards would be necessary. For a further development of the system with more detailed analysis of the thermal behaviour and a complete Life Cycle Analysis are other issues to be realised. A detailed analysis and improvement of the acoustic behaviour of the system is necessary. The incorporation of bioclimatic building strategies for ventilation, insulation, etc. should be a basis for improvement of the system, as well as the integration of new building materials.

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Remarks			

Date	09/10/2006	To be sent back to secretariat.ectp@cstb.fr and national contact points: hgmayo@ohl.es and agg@cdti.es
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