



Kick-off of the European research project InPro took place.

European consortium is now ready to transform the early design phase of construction projects

The official kick-off of the European integrated project InPro took place in Stockholm on September 11th and 12th. The project which is scheduled for a period of four years, picks up a recent trend in the construction industrie and will give rise to the introduction of 3D-design and building information models in the European construction sector.

Thus InPro aims to completely transform the early design phase of buildings. Immediate and efficient collaboration between all stakeholders of the construction value chain up to the client shall be made possible by an innovative approach.

“To use 3D computer models for planning and design is not new to our industry, but the full potential of the technique is not yet explored today”, says Mårten Lindström, senior InPro project manager from NCC, Sweden. “When the technique is used to its full potential it can lower the total life cycle cost of a building. Furthermore, it can give better customer satisfaction and at the same time enhance the whole construction process, from early design to operation.”

An Open Information Environment will be the main achievement of the project. Based on existing as well as innovative Information and Communications Technology (ICT) applications, an advanced system of integrated design and analysis processes and decision-support will facilitate collaboration on all levels.

InPro stands for “Information” and “Processes” which links the name to the main focus of the research work. The project draws on a budget of 13 million Euros, whereof 7.5 million Euros are funded by the European Commission within the 6th Framework Program for Research and Development.

20 European partners representing both industry and research are integrated into InPro. The consortium embraces the whole construction value chain from building owners and architects, to construction companies and facility managers. It also includes a number of European research organisations in the field of construction, industrial processes and ICT as well as leading software developers. InPro can, in fact, be considered a pioneering trans-national project in this sector which connects multidisciplinary know-how, outstanding reputation and extensive funds.

Furthermore, InPro’s development work is backed up by widespread dissemination campaigns and education opportunities. Applying purposeful communication strategies InPro intends to provide valuable research results at all stages and to achieve an immediate benefit for all parties involved in the construction process.

The InPro consortium comprises the construction companies NCC (Sweden), Bouygues (France), Hochtief, Max Bögl (both Germany), Bögl a Krýsl (Czech Republic) and YIT (Finland) as well as White Architects and the Byggherre Forum from Sweden, who represent the client side of construction projects.

Granlund (Finland) provides simulation expertise for buildings as well as ICT knowledge together with Oracle (UK) and Graphisoft (Hungary).



The research interface of the consortium is represented by the Universities of Luleå (Sweden), Maribor (Slovenia), Weimar and Dortmund (both Germany), the French Centre Scientifique et Technique du Bâtiment (CSTB) and the Netherlands Organisation for Applied Scientific Research (TNO).

The consulting companies AEC3 (UK), P3 Digital Services (Germany) and WHC (Netherlands) bring in expertise in standardisation, 3D design technique and human behaviour.

The InPro project is associated with the European Construction Technology Platform (ECTP) as well as the European Network of Construction Companies for Research and Development (ENCORDER) and the Building Smart initiative of the International Alliance for Interoperability.

Furthermore, a research cluster will be initiated to ensure a widespread involvement in the European construction industry.

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