

APPLICATION OF THE PERFORMANCE CONCEPT FOR THE IMPROVEMENT OF THE RESULTS IN CONSTRUCTION PROJECTS

(2004-2006)

OBJECTIVES

- Study and development of the Performance concept applied to the construction.
- Study of the adoption of the Performance concept in different countries.
- Study of the relationship between the "Código Técnico de la Edificación (CTE)" and the Performance concept. Analysis of the potential benefits of this relationship.
- Development of a methodology and a tool to help the introduction of the CTE in professional environments and users, establishing a comparison between different promoters to develop a database containing and combining all those aspects to be considered in any type of construction project from a product specification point of view.

RESULTS

- Development of a model to facilitate the implementation of the Performance concept in construction allowing the designer to:
 - Perform the initial stage of the projects in a more agile way and, at the same time, to increase the quality and efficiency of the work done.
 - Improve the quality and quantity of collected information.
- Development of a Tool that integrates the design and the execution phase, linking the participants of the construction project (promoters, users, etc.), according to the Performance concept.
- Development of the fundamental requirements of a work system and procedures schemes to assist in:
 - The decision making in the purchase of buildings process.
 - The remodelling tasks to do to existing building to adapt it to the user requirements.
 - Avoiding important changes in new building projects, allowing knowing in advance the user requirements. The system allows the store of these requirements in the design phase of the project from the designer interpretation.

CONSORTIUM

Technical University of Catalonia / Group of Construction Research and Innovation (GRIC).

MORE INFORMATION

<http://performance.gric.upc.edu>

FUNDED BY

Project funded by "Ministerio de Ciencia y tecnología". "Acciones especiales" under the "Programa Nacional de Tecnologías de la Información y las Comunicaciones y la Socioeconomía".

