



## Visualization of architecture on the internet before construction – photorealistic and interactive

Concepts and technologies of the new economy era are realized increasingly in traditional architecture and are changing the projects. With regards to the 3D technology of the Bitmanagement Software GmbH, today, it is made possible because of favorable standard PCs and an increasingly efficient, popular and accepted Internet.



Premises offered after completion of a construction project, can be promoted over the internet worldwide in advance. Today the 3D models achieve a photo-realistic quality.

As technical format the **ISO Standard VRML** (Virtual Reality Modeling Language) is qualified, since it is optimized for the Internet and offered as data-export-format by most 3D-construction-programs. VRML is the smallest common denominator for visualisation in the Internet.



The 3D models are interactive as the spectator can move and navigate in a construction- project freely in real time even before start of the construction works.

Through integration of video - or 2D textinformation, architects who are focussed in the visualization of constructions-projects are enabled today to create realistic and performing applications with Bitmanagement`s technology on CD ROM or in the Internet/Intranet.



In addition it is possible to encrypt the models, in order to protect them, when they are spread over the Internet.

References in the area of architecture are ranging from simple applications e.g. by **Co-operative Housebuilding Society Humboldt University e.G.** over fastidious models e.g. from **WS Atkins Ltd.** or artistic approaches as from **Peter Eisenmann** on the current **Biennale in Venice** up to technically demanding concepts e.g. the digital factory planning of **tarakos GmbH**.