

# GRAPHISOFT® VIRTUAL BUILDING EXPLORER

a Virtual Building Solution

**The Graphisoft® Virtual Building™ Explorer is an innovative, interactive, 3D presentation tool for architects, which sets new standards for design communication and presentation.**

## EXPLORE

Real-time 3D navigation in an architectural design – enhanced with stereo viewing modes, gravity, fly-mode, egress opening recognition and pre-saved walkthroughs for the ultimate design exploration.

## COMMUNICATE

Shaded Open-GL or Global Illumination (Radiosity) - enabled, professionally rendered project environment; grayscale or hidden line presentation modes for the ultimate design understanding.

## SHARE

Present your design intent and the architectural project with virtually anyone without installing any application or learning any new software.

The Virtual Building Explorer provides fast and easy 3D navigation in an ArchiCAD project: gravity, fly-mode, egress recognition, as well as real-time element-information display, helps architects to explore their design with greater clarity than ever before. Throughout the virtual tour the building model can be displayed by hidden line, shaded or Global Illumination - rendering techniques, different stereo viewing modes can be activated turning the walkthrough into a unique design experience.

A standalone, interactive, 3D presentation package can be created at any stage of the design and sent to any stakeholder - clients, builders, etc. - as a single, executable file. Without having to install any application or software on their computer these stakeholders will experience the same professional, 3D project presentation and be able to benefit from a real-time interactive walkthrough of the architectural design.

## **Virtual Building Explorer for professional and captivating presentations to clients**

Using Graphisoft Virtual Building Explorer and Graphisoft ArchiCAD 12 architects and designers can explore their project designs like never before. Design concepts and alternatives also can be elaborated during this unique walkthrough experience in a professionally rendered 3D navigation environment.

Stereo viewing modes, gravity, and the fly-mode feature, greatly improves the navigation experience. Element information – surface finishes, volumes, sizes and quantities – also can be displayed with a click of the mouse. Exact measurements can be taken during the real-time walkthrough to help design decisions and forecast cost related design issues.



## Virtual Building Explorer for interactive consultation with clients at remote locations

The real-time 3D navigation experience can be shared with virtually anyone by exporting the ArchiCAD design model into a self-running 3D presentation environment. The presentation can be opened on any computer without the need to install any additional software or application.

Virtual Building Explorer enables clients to go for a real-time walkthrough at any stage in the design of their architectural project. The easy-to-use, familiar 3D navigation interface is similar to those used in computer games.

Stakeholders will be able to experience the masses and spaces of the design project; feel the relationship between the different volumes and rooms; and understand the architectural design concept and design ideas in a new and distinctive way.

The 3D presentation package can include walkthrough paths defined on the fly, images, surface material finishes and other element definitions, such as volumes, dimensions. Designers can also create a “monochrome” 3D presentation, rendering all building elements with a single color to help stakeholders to focus on the design concept, volumes, spaces and masses – instead of focusing on the details of the surface finishes.

## The Virtual Building Explorer “flavors”

The Graphisoft VBE is available in two product packages with the following rendering capabilities:

- VBE creates 3D virtual design presentations with the help of its built-in shaded Open-GL rendering engine ensuring professional presentation quality.
- VBE creates 3D virtual design presentations using the shaded Open-GL rendering engine combined with Global Illumination - produced by the built-in radiosity rendering engine. Global Illumination ensures even more realistic visualization – incorporating soft shadows, diffuse inter-reflections, and “bleed” (color transfer between the surfaces).

## Ultimate 3D presentation experience

Graphisoft Virtual Building Explorer sets new standards in architectural design presentation and communication.

Virtual Building Explorer allows complete freedom and real-time 3D navigation in the architectural project; helps understanding of the design intents; and explores spaces in their authentic environment - thereby providing the ultimate presentation experience for clients, builders and, indeed, any stakeholder.

Virtual Building Explorer includes the following capabilities and options:

- use the hidden line, shaded or Global Illumination (radiosity) rendering engines;
- explore the model in color-rendered, grayscale or hidden-line modes;
- egress recognition to distinguish the solid building structures such as walls, columns and roofs from doors and windows during navigation;
- gravity feature and fly-mode to adjust the real-time 3D navigation for slabs, ramps or stairs in the building;
- visualize different building structures and design alternatives by displaying or hiding layers;
- display individual building element information – such as object name, volume and dimensions;
- measure distances in the 3D design model during a real-time walkthrough;
- include 3D navigation schemes recorded on the fly.

All stakeholders - clients, consultants, builders, planners, etc. - can explore and fully understand the entire architectural project design, and design alternatives, at any stage of the design development process in a user friendly 3D navigation environment. And all this without the need to hold a license of Graphisoft ArchiCAD or Virtual Building Explorer!

