

## VIMtrek DATA SHEET

VIMtrek, is a multi-component, revolutionary rendering and collaboration tool which converts Autodesk® Revit 2011 and 2012 design files into fully immersive, freely navigable, highly realistic, 3D environments in minutes instead of hours. This bundle includes: Producer, the key component required to create VIM (Visual Information Model) files and Viewer, allows the user to move around within the environment and make annotations using a feature called VIMnotes.



### VIMtrek PRODUCER - EXPERIENCE BUILDING

VIMtrek Producer is a fully featured desktop application that enables users to process a Revit model to adjust object presentation, terrain, lighting conditions, and rendering quality for use in an immersive 3D environment.

An Autodesk® Revit add-on converts Revit project files into an immersive 3-D environment in minutes, for manipulation in Producer, with little training or experience required. The project file rendering process in Producer utilizes unique compression technology that makes the 3D scene files one-tenth the size of a traditional render and is completely interactive, allowing designers, architects, contractors, and their clients to self navigate around the environment and experience the building as though they were moving through a video game.

### BENEFITS

**Speed** – The VIMtrek Revit add-on converts the Revit project into an immersive 3D game engine environment in seconds; permitting architects, consulting engineers, builders, and owners to easily collaborate around the 3D model without requiring any Revit modeling expertise.

- VIMtrek Producer enables users to modify the 3D scene and render it in minutes rather than tens of hours, depending on the use settings for rendering quality.
- Interactive 3D Viewer Architects, designers, and contractors can view and investigate the 3D model in an immersive and interactive Viewer embedded in a Web Browser, or on the PC or Mac desktop, making it possible to interactively visualize and collaborate. As a result, users can review the design and collaborate quickly at any stage of the design process, giving them greater opportunity to experience the look, feel, and performance of a project at any stage without requiring any Revit expertise.

**Cost savings** – Significant savings can be made in three areas: Designers will save hundreds hours per project through early identification of design errors and omissions; better design decisions will be made pre build, producing savings during construction; because of the time to render there is no need to



PRODUCER



VIEWER

outsource the rendering process to a third party or tie up internal hardware or human resources or hours or days, allowing VIMtrek to be on every desk/lap top.

**Collaboration** – All stakeholders on a project can access and experience the built environment simultaneously with all the rich BIM data imbedded in the virtual walk through. MAC, PC or even over the Internet all the stakeholders can freely make annotations in real time, reducing unforeseen design challenges during construction. All VIMnotes are date stamped and archived for change request purposes.

**Ease of Use** – The VIMtrek file can be easily published to PC, MAC or Browser and the program navigation functions are simple allowing viewers to move forward, backwards, left, right, up or down visually, as in a video game, using the mouse, joystick or keypad, allowing clients without any special experience to walk round the built environment easily before construction begins.

### **VIMtrek PRODUCER FEATURES**

- Export from Revit Version 2011 and 2012 to VIMtrek plug-in
- Simplification of the 3D model with different quality settings, selectable by the end user includes partial render capacity
- Global illumination calculation with different quality settings
- Light Mapping calculation with different quality settings, selectable by user
- Day and Night Views, possibility to use electric lighting for night illumination
- Latitude setting and object rotation (with a project's basic landscape)
- Basic landscape; surface copy of the REVIT project, including trees, vegetation. Tiled surface continues until horizon
- Skybox with cloud setting
- Simple user-friendly interface
- Project navigation by mouse and keyboard (like in FPS games)
- Export to Mac, PC or WEB.
- Displays of all object data from Revit including SMARTBIM and ecoScorecard
- VIMnote feature in Viewer

### **VIMtrek VIEWER FEATURES**

- Reads VIM files from VIMtrek Producer exported from Revit
- Reads the simplification of the 3D model with different quality settings, from the Producer user
- Reads the global illumination calculation
- Reads the light mapping calculation
- Reads the day and night views
- Reads only, the latitude setting
- Object rotation in Viewer works like a gaming control
- Reads the basic landscape, including trees, vegetation. Tiled surface continues until horizon
- Skybox with cloud setting
- Simple user-friendly interface
- Project navigation by mouse and keyboard (like in FPS games)
- VIMnotes allows user to make annotations in the rendering

*Specifications continued on next page.*

## **SPECIFICATIONS**

The VIMtrek output is platform independent and can be viewed by any third party as a locked down file without the need to have Revit installed on the end device.

VIMtrek Producer is the key component required to create immersive environments and convert the Revit file to the VIM, Visual Information Model file format. Producer is sold as one license per device with discounts available for 6 or 10 seats, as well as, enterprise licences.

VIMtrek Viewer is free to download by any stakeholder in exchange for basic company and user information and opting in to marketing notices and update permissions. The VIMnote feature bundled is bundled in for free, which will allow any user to make and annotate drawings and post back to designer.

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