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**GRAPHISOFT**  
Registered  
Consultant

ARCHICAD BIM

3D MODELLING

RENDERING

2D CAD Draughting

GRAPHISOFT  
**ARCHICAD**



**ARTLANTIS<sup>3</sup>**

**CINEMA 4D**

**StruSoft**  
Structural Design Software



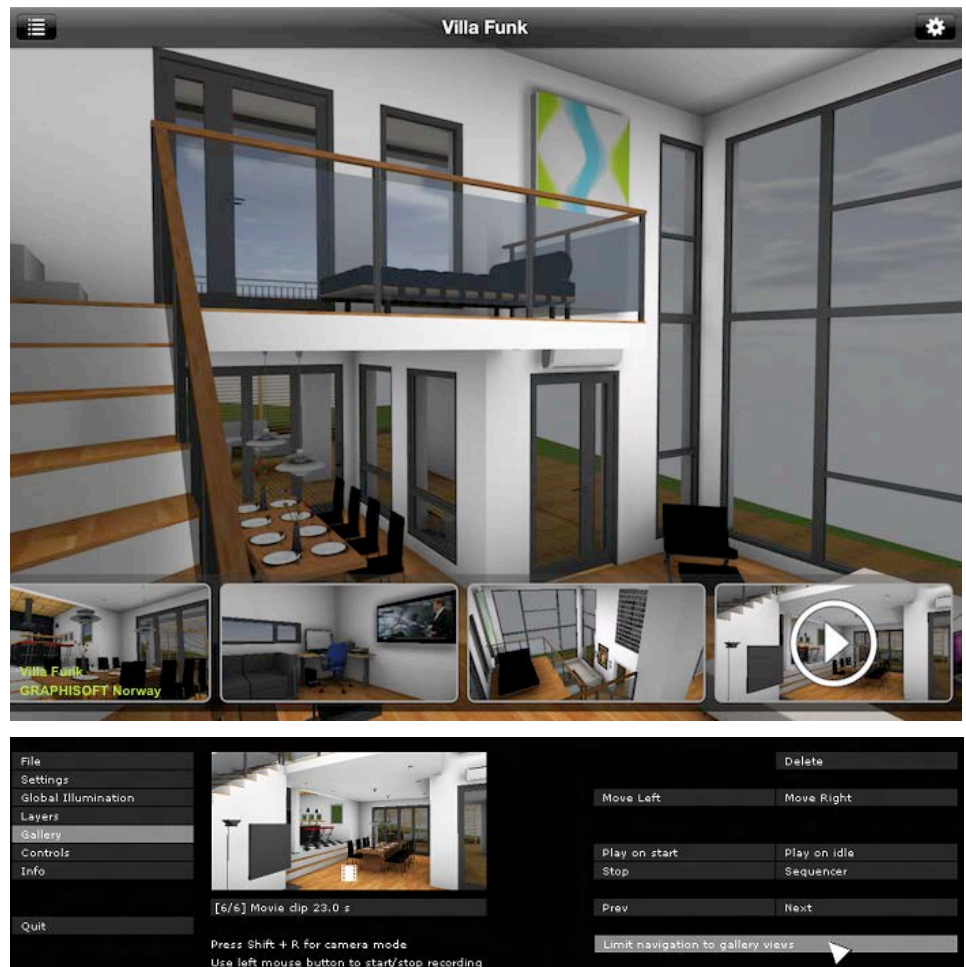
To Whom it may concern

## Graphisoft BIMx 16 vs Artlantis 4R comparative review

The following is a quick review of the differences in application between BIMx vs. Artlantis & their features

The largest or most important differences between BIMx & Artlantis R in my opinion is as follows:

- With BIMx you give your client the whole model fully rendered and they can explore any part of the presented model vs. with Artlantis Render you can only produce stills / photo renders of set views.
- To export a complete model to BIMx in full OpenGL render quality, takes as little as 1minutes for i.e. a house and 3 – 7 minutes for a very large model of a town scape with several buildings.  
vs. with Artlantis you will also export the same model from ArchiCad to Artlantis (taking up +/- the same amount of time as exporting to BIMx), then you will have to spend more time in Artlantis to configure the materials, light sources & scenes for a decent render results. Then after this you could wait for up to 5 – 30 minutes for each photo that you want to produce for that project (depending on the setup & desired quality).
- BIMx is compatible with Apple MAC & Windows PC's and Laptops. Graphisoft also offers free viewer applications for iPad, iPhone and Android mobile tablets or phones.
- On this page [www.archicadwiki.com/BIMx](http://www.archicadwiki.com/BIMx) you will find examples images of BIMx models showing the surprisingly brilliant and very usable render quality from a tool at such a low cost & low production input.



Everything comes down to what amount of time it takes to deliver your design to the client. and Time is money . . . .

I will definitely recommend Artlantis if it is your intention to produce renders for high quality publications or marketing material.

The cost comparison: BIMx (cost: R6632 + VAT) vs. Artlantis Render (cost: R6699 + VAT).  
(Artlantis Studio cost R13'270 + VAT) note: illustrative prices only, subject to change.

Conclusion:

- Both BIMx & Artlantis R are easy to use & suited for professional application & use in your practice.
- BIMx is the best value for **a)** money, **b)** invested time and **c)** gives 100% effective render quality for every day work in the production of design presentation and even consultant & contractor communication. Changes are made in ArchiCad then re-exported to a new BIMx file.
- Artlantis R's toolset & workflow **a)** requires more time to learn & invested to **b)** delivers near realistic, high quality images with **c)** more direct control of light & materials and **d)** gives the designer the opportunity to enhance the model from an expandable object library.

When making your choice the questions to ask then are: What is my goal? What place / portion does rendering take in my project workflow?

More detailed info below . . .

ABOUT Graphisoft BIM-Explorer:

1. This is the main web page with all relevant info about this software  
[www.graphisoft.com/products/bim-explorer](http://www.graphisoft.com/products/bim-explorer)  
(this licensed software as quoted is what you will need in your studio to save your projects out from ArchiCad to BIMx to share your models with your clients or consultants)
2. On this page you can download many BIMx example files from users across the world:  
[www.m.gsbimx.com](http://www.m.gsbimx.com)
3. You can get the Free BIMx Viewer for the iPad here:  
[www.itunes.apple.com/us/app/bimx/id452706864](http://www.itunes.apple.com/us/app/bimx/id452706864)

I also attach basic & detailed documents about both BIMx for ArchiCAD. The reference guide BIMx for iPad is clearly set out here: [www.archicadwiki.com/BIMx](http://www.archicadwiki.com/BIMx).

- The BIMx15 for ArchiCAD 15 gets installed automatically with the ArchiCAD 15 installation (this un-licensed installation works as a BIMx Viewer)
- When you buy a license any one workstation in your office will be able to export your models to BIMx
- The Free iPad & iPhone App is a BIMx Viewer

Let me try to explain the basic workflow between these three tools for you this way:

1. Your Architect & studio starts with a design for a new project as normal using ArchiCAD
2. Your studio can export the model from the 3D window in ArchiCAD with the active licence from an ArchiCAD workstation
  - You can export the ArchiCAD model to .BIMX file to be opened on a MAC / Windows computer or an iPad / iPhone that has the BIMx Viewer already installed
  - Or you can export the ArchiCAD model to .EXE file for Windows computer or to .DMG file for MAC

This encloses the .BIMX model inside a Viewer for people that might not have the Viewer already installed.

3. Now you can share the exported .BIMX or .EXE files via e-mail, flash drive, skype transfer or FTP upload with any person you wish.

Why / when to share ArchiCAD models use BIMx?

- Quick & easy explore the complete model in rendered view in the boardroom for meeting, discussions & design decisions
- Quick & easy share the complete model in rendered view with consultants for discussion
- Or share the complete model in rendered view with clients as a presentation medium for comment or approval
- Share the complete model in rendered view on your website for project portfolio or marketing your company

What can you do in BIMx when you are viewing a model?

- Move through the model in : Fly Mode & Walk Mode
- Map Mode: helps you to find your current position in the building during navigation
- Parallel View: Press 'F8' to enable the orthographic view
- Different Render Options: Unlit, Gouraud, Headlight, Metal, Hidden Line, Global Illumination
- With Global Illumination you can control: Light calculation method, Light Falloff & Lightmap quality
- Sunflare: can be display if the camera looks towards the sun
- Control Shadows display options: On / Off, altitude, azimuth (heading) and brightness
- Different Background Options: Sky (Default Bimx Sky Image), White, Grey, Black, Gradient
- Different Stereo View modes: Left/Right, RED/ CYAN, OFF
- Transparency Value range: 20-80
- View Cone Value range: 10-120
- Speed Value range: 10-1000

**GRAPHISOFT**  
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**ArchiCad 16**  
**BIM**  
COMPONENTS  
AT YOUR FINGERTIPS

Software | Tech Support  
Training | Consulting

**BROADEN YOUR DESIGN HORIZONS**

**GRAPHISOFT ECODESIGNER**

**VB** GALLERY STOP PLAY OR IDLA SEQUENCER

**GRAPHISOFT Virtual Building Explorer for ArchiCAD**

**GRAPHISOFT MEP MODELER**

**ARTLANTIS STUDIO**

**CINEMA 4D**

**StruSoft**  
Structural Design Software

FEM-Design VIP-Energy

**nomitech**  
new open mind technologies  
redefining cost estimating

**CostOS Estimating MX2**  
Move to the next level of cost intelligence.

- Mouse Sensitivity Value range: 10-50 and Mouse Invert
- Sun Altitude Value range: (10-80)
- Sun Azimuth Value range: (0-360)
- Sun Brightness Value range: (-100 - +100)
- Sun Overbright Value range: (-100 - +100)
- Camera Height Value range: (600-2000)
- Camera Radius Value range: (150-400)
- Measured distances: can be displayed in Metric or Imperial units
- Take a Screenshot: Press 'F5' to print the current view to a 24-bit .bmp file
- Use Gallery commands: to add pre-recorded walk-through clips and camera positions to your project
- Adding Camera Angles (positions) to your Project to prepare a preset presentation
- Recording Walk-through Clips
- Info Tool: displays the following information:
  - Type – Element Type (wall, slab etc.)
  - Layer – Element Layer
  - Size – Size of the element's bounding box
  - Volume – Volume of the element
  - Floor Index – Index of the story in which the element is placed

read more about: **Artlantis Studio 4 en Artlantis Render 4**

Choose between Artlantis Studio 4 & Artlantis Render 4:

- Artlantis Studio 4 and Artlantis Render 4:  
[www.artlantis.com/index.php?page=products/studio/index](http://www.artlantis.com/index.php?page=products/studio/index)
- What is new in Artlantis 4.1:  
[www.artlantis.com/index.php?page=products/studio/news](http://www.artlantis.com/index.php?page=products/studio/news)



Please contact us if you need any further assistance or information.  
We thank you for the opportunity to be of service to you.

Yours faithfully,

C F Swanepoel  
(for MultiCad Design Solutions CC)



## Web links for detailed product info:

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- ArchiCad 16 Int:  
[www.graphisoft.com/products/archicad](http://www.graphisoft.com/products/archicad)
  - ArchiCad Start Edition 2012:  
[www.graphisoft.com/products/acse2012](http://www.graphisoft.com/products/acse2012)
  - Eco Designer:  
[www.graphisoft.com/products/ecodesigner](http://www.graphisoft.com/products/ecodesigner)
  - BIMx:  
[www.graphisoft.com/products/bim-explorer](http://www.graphisoft.com/products/bim-explorer)
  - MEP-Modeler:  
[www.graphisoft.com/products/mep-modeler](http://www.graphisoft.com/products/mep-modeler)
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### Choose between Artlantis Studio 4 & Artlantis Render 4:

- Artlantis Studio 4 and Artlantis Render 4:  
[www.artlantis.com/index.php?page=products/studio/index](http://www.artlantis.com/index.php?page=products/studio/index)
  - What is new in Artlantis 4.1:  
[www.artlantis.com/index.php?page=products/studio/news](http://www.artlantis.com/index.php?page=products/studio/news)
- 

### Choose between Cinema4D Prime 14 & Visualize 14:

- Cinema4D Prime 14:  
[www.maxon.net/en/products/cinema-4d-prime/who-should-use-it.html](http://www.maxon.net/en/products/cinema-4d-prime/who-should-use-it.html)
  - Cinema4D Visualize 14:  
[www.maxon.net/en/products/cinema-4d-visualize/who-should-use-it.html](http://www.maxon.net/en/products/cinema-4d-visualize/who-should-use-it.html)
  - Compare Cinema4D Prime 14 & Visualize 14:  
[www.maxon.net/en/products/general-information/general-information/product-comparison.html](http://www.maxon.net/en/products/general-information/general-information/product-comparison.html)
- 

- Strusoft VIP-Energy:  
[www.strusoft.com/index.php/en/products/vip-energy](http://www.strusoft.com/index.php/en/products/vip-energy)
  - Strusoft FEM-Design:  
[www.strusoft.com/index.php/en/products/fem-design](http://www.strusoft.com/index.php/en/products/fem-design)
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- Nomitech CostOS:  
[www.nomitech.eu/cms/en/c/costestimatingproducts.html](http://www.nomitech.eu/cms/en/c/costestimatingproducts.html)