AFFORDABLE 2-IN-1 CAD/BIM SOFTWARE

tiffinBIM
by Innovacia
v.11

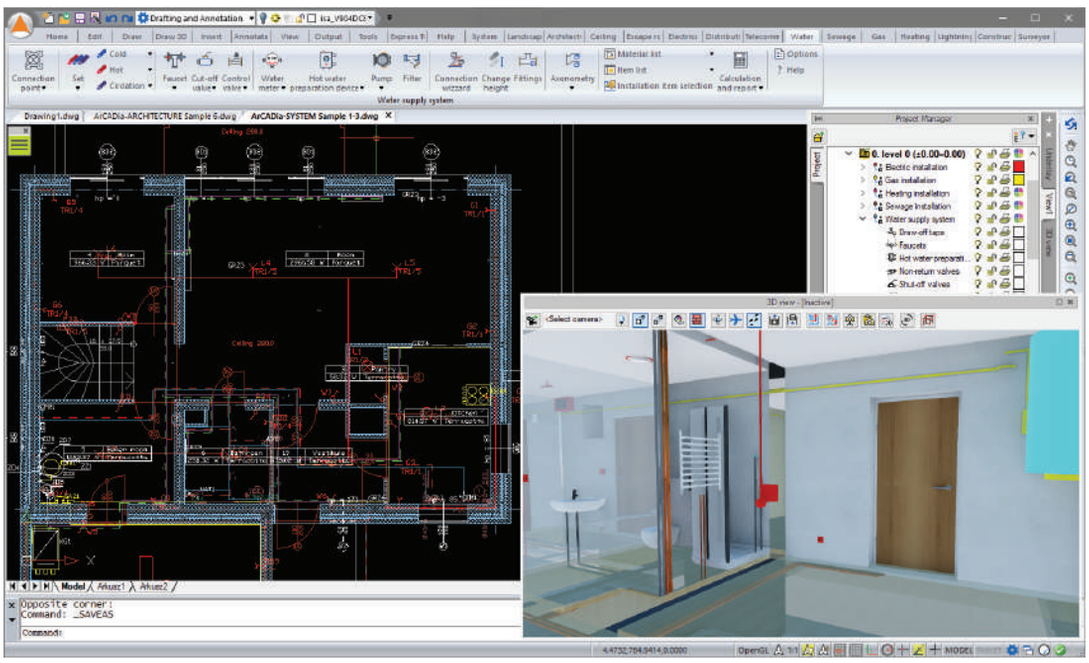
You already know that CAD and BIM are both important. You may even have attended a training.

So what's next?

You need a good affordable software.

Your organisation needs CAD and BIM licenses but budget is limited. No allocation for hardware upgrade. You do not want to be burdened with annual fees.
You need an affordable, compatible, perpetual, lightweight software with easy learning curve.
Even better, a solution for both of your current CAD usage and future BIM projects.

You need **TiffinBIM v.11** – the latest release of the innovative suite that contains all of the required tools that form a good yet affordable CAD/BIM software.



Now incorporating **Architectural, Mechanical, Electrical and Structural BIM installations in one single package.** Option to use the command line for traditional CAD users. Or the ribbon GUI for BIM commands. Suitable for clients, consultants, contractors, manufacturers, education centres. Micro set-ups, SMEs and big corporations.

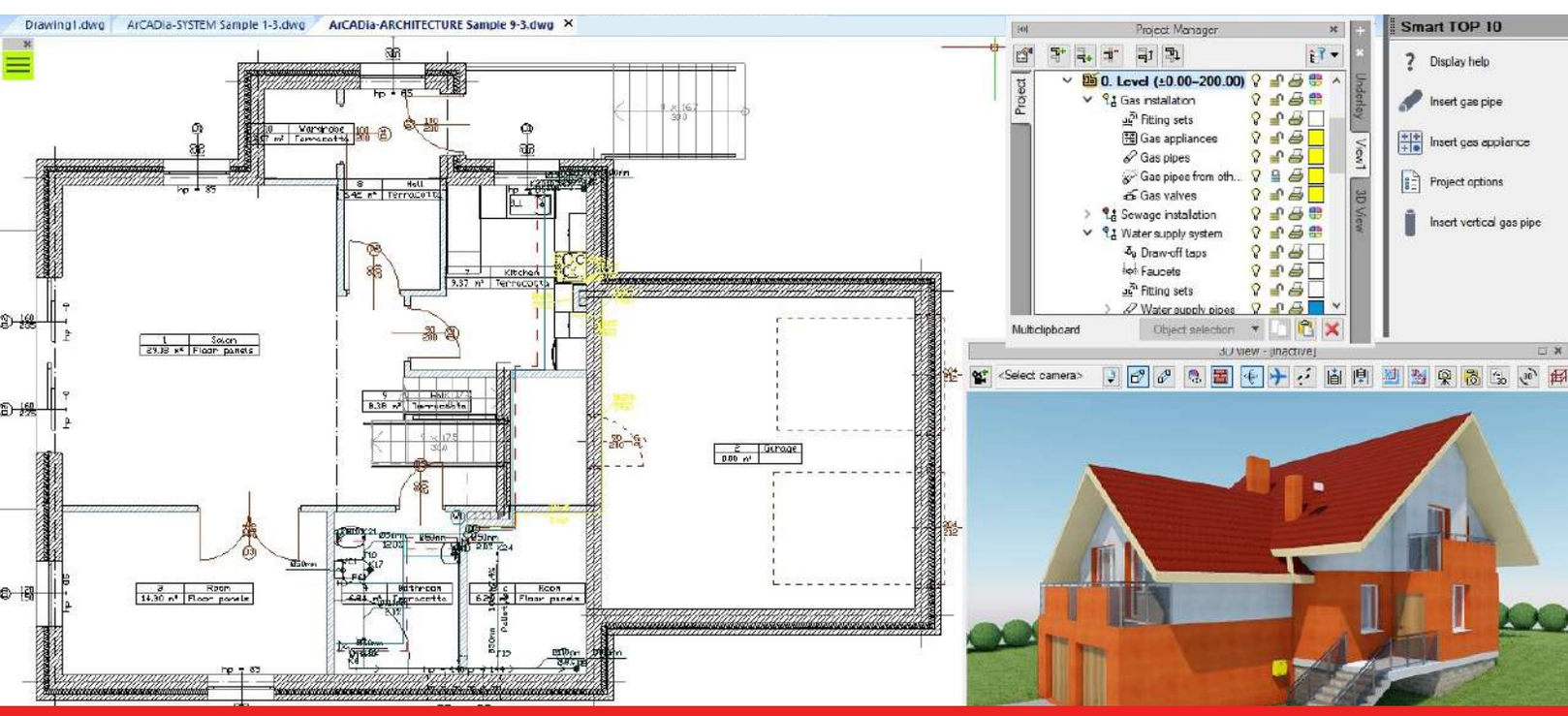
Why pay more? Convert to TiffinBIM – Affordable 2-in1 CAD/BIM Software.

According to Malaysia BIM Report 2016 by CIDB, the high cost of technology is ranked as the No.1 challenge against BIM implementation

Possibilities with TiffinBIM

- Managing views and the displayed information through the clear tree of the Project Manager.
- Inserting elements such as wall, pipe, etc. using the smart tracking function.
- Showing elements drawn in the view in a classic or the new 3D view rendered in real time (visualisation using a 3D game engine).
- **A smart list of the most often used commands (Smart TOP 10) that are automatically memorized when working on a project, creating a personalized tool palette.**
- The possibility to compare two versions of a project created as an ArCADia system model in the scope of new and modified system elements.
- **The possibility to merge the building model from an architectural design with the installation design models to create one complete model of a building project.**
- **Collisions list of all or individual ArCADia system elements on a view, 3D view and a clear list.**
- **Modular Coordination (MC) axes generation.**
- **Built-in library that allows for detailing with 2D symbols (including JKR/CIDB Standard IBS components, SYABAS symbols, MS2522 CAD Symbols for Construction, MS1064 standard library and fashion/clothing industry standard design templates) and 3D objects (including for landscape and ID) needed in the drawing.**
- Saving custom settings for elements (pens, fonts, default element sizes, etc.) in the project template.
- Built-in library of all elements types, with the possibility of expansion.
- Precise printing by setting all print parameters.
- Working in DWG 2018 native format.
- Built-in catalogue of construction materials
- Inserting of window and door woodwork in a parametric way.
- Automatic creation of rooms from the closed outlines of walls and virtual walls, with assigning names, functions, temperature and lighting demand.
- The ability to convert a 2D drawing created from a polyline or line into a single or multi-layer wall view, virtual walls and continuous footings.
- Inserting the bar structure framework from the .f3d file, which is seen as one element that can be exploded and seen as a single bar element (moved and edited individually).
- Automatic creation of cross-section by indicating the cutting line (also stepped) of the building with the option to define the elements visible in the cross-section view.
- Simplified rendering (quick and easy to use) or advanced with the possibility of defining all necessary settings (type and position of lighting, softening shadows, etc.).
- Automatic and manual dimensioning of the designed building. Possibility to enter description of the elements (roof, ceiling, wall) showing the list of materials from which the element was created.
- Automatically created lists: areas and cubage; roof surfaces, roof accessories (gutters, downpipes, etc.), the roof structure, bar elements, suspended ceiling elements and materials.
- Module for constructing the structural systems of ribbed-beam roofs, containing all the basic elements of the system: ceiling beams, reinforcing ribs, hidden ribs, exchanges, supporting mesh and additionally all necessary material lists including the elements needed to make the ceiling, completed with reinforcing steel and monolithic concrete .
- Inserting the binding joist with the insertion of longitudinal reinforcement and stirrups.
- Automatic 3D construction view created on the basis of a three-dimensional architectural model of a building.
- **Creating drawings of the internal water supply, sewerage, internal gas, electrical, with rich library.**
- **Inserting devices with individually set shapes and dimensions defined by the user.**
- Reading and saving drawings in the AutoCAD format from 2.5 to 2018 (DWG, DXF).
- Importing and editing raster images (eg geodesic underlay), including files such as : JPG, TIF, BMP, GIF, PNG.
- Import PDF files analogously to raster underlays or with conversion to vector elements.
- Export to PDF file.
- Possibility to enlarge the library of 2D / 3D objects with the following formats: XOBJECT, ACO, O2C, OBJ, XOBJ3D and DWG.
- IFC file conversion into ArCADia's basic objects (walls, windows, doors, ceilings, roofs).
- IFC file import (inserts an independent 3D model to the project).
- Managing IFC models.
- View properties of objects from the IFC model stored in the source program.
- **Export of the ArCADia system project to IFC format.**
- **Import of RVT and RFA files from Revit.**
- Project export (with all materials and textures) to the OBJ format.
- **All generic CAD tools incorporating command line and input and Lisp programming language interpreter.**
- Modification of the top menu, ribbons (panels and tabs), toolbars, command status bar and keyboard shortcuts.
- **Generating ready-made materials lists, devices and connection fittings included in the project, intended for further processing and doing cost estimates and investment valuations; with export to txt and csv (Excel).**
- **Integration with RAMA, structural analysis and design software based on Eurocode (coming soon)**

and many more!



Minimum System Requirement

Intel Core 2 Duo or AMD Athlon II processor (Intel Core i5-6500 recommended)
3 GB RAM (12 GB and 64-bit system recommended)
5 GB free hard disc space for installation (SSD recommended)
Graphics card compatible with DirectX 9.0c 1GB RAM
Windows 10 or Windows 8.1 or Windows 7 SP1 (Windows 10 64-bit recommended)

The Quest for an Affordable CAD/BIM Solution

Innovacia, being the pioneer in IBS research and training in Malaysia, identifies infotech as a major element in the success of construction industrialisation. Answering the Government's call for more Malaysian-made solutions, in 2010 it invested in producing TiffinCAD – South East Asia's first home-grown, full-fledged CAD software. In 2014, with the emergence of global demand for BIM, TiffinBIM was released, backed by a European partner, ArCADia. TiffinBIM is a special version of ArCADia, at an affordable price not available elsewhere, incorporated with selected vertical installations required in the region including Malaysia's standard symbols based on MS2522 and MS1064. ArCADia itself is a global BIM force with presence in more than 40 countries; winner of the 2018 Finances Online's Great User experience and Rising Star awards.

European Technology, Malaysian Innovation

Download free trial from

www.innovacia.com.my/tiffinbim

Test and experience. You will be liberated

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