



BUILDING BIM TOGETHER

SHARING BIM ADVANCES

We transform the insights of cutting-edge BIM users into powerful tools that all clients can acquire.

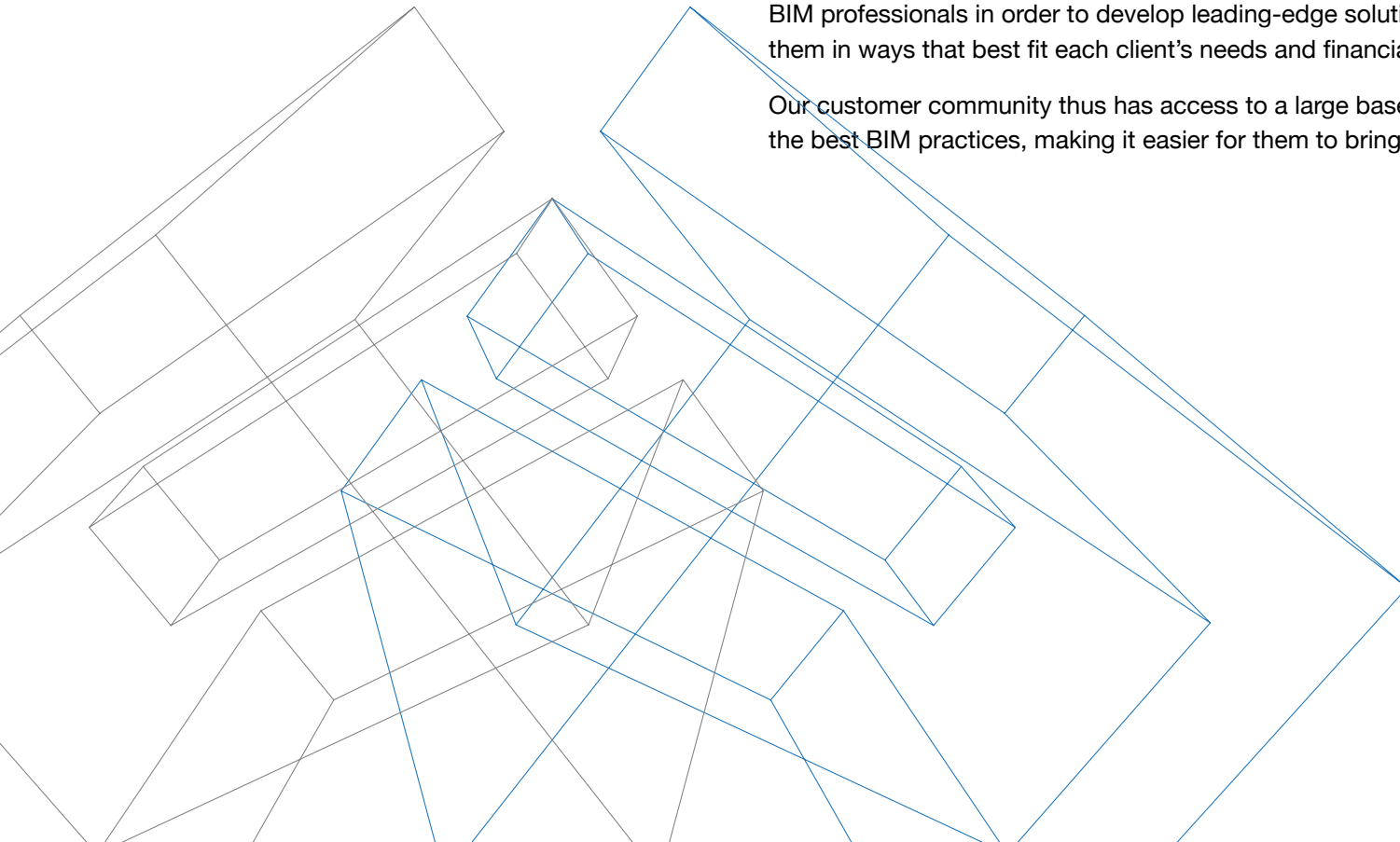
About AGACAD

AGACAD serves BIM professionals and decision makers throughout the world, adding value and safety to the Building Information Modeling process that is changing how buildings and infrastructure are planned, designed, built, and managed.

We create solutions for continuous BIM acceleration, ensuring that clients can finish their projects on time, on budget and at the highest quality standards. The result for BIM users is greater profit and less stress.

Unlike consultants who make clients adapt to their own methodology, AGACAD gathers insights and experience from the world's most advanced BIM professionals in order to develop leading-edge solutions and deliver them in ways that best fit each client's needs and financial capacity.

Our customer community thus has access to a large base of knowledge on the best BIM practices, making it easier for them to bring BIM to life.



For whom does AGACAD work?

AGACAD's work is driven by our customers' needs, which we strive to meet by developing T4R© extensions and BIM Solutions:

For Architects, Structural Engineers, and MEP Engineers

- Solutions for headaches that work with Autodesk® Revit® software can cause
- Projects done on time and with the highest quality
- More time for creativity and engineering work instead of drafting

For BIM Managers

- BIM made as needed
- Easier BIM data analysis and management without losing time for manual data extraction
- Projects done on time and with the highest quality

For Owners and Managers of AEC Companies

- Safer investments
- Reduced project delivery time
- Confidence of ROI in the transition from CAD to BIM

Best BIM practices – in our solutions

Always aligned with client needs, the AGACAD team provides solutions for continuous BIM acceleration based on the insights and experience of the most advanced BIM professionals around the world. This gives all our customers access to a large knowledge base on the best BIM practices, making it easier for them to bring BIM to life.

We develop ways to speed up the design process and facilitate the BIM process in response to leading-edge users' actual needs, and incorporating their know-how. This usually means the creation of advanced software, which all who wish may acquire.

REDUCING BIM STRESS

We help make it easier to bring BIM to life by eliminating tasks that do not create value.

Leading Autodesk® Revit® extensions



Based on the wish lists of Revit® users worldwide

More than 8,500 Revit users in 129 countries use T4R© (Tools 4 Revit®) software for their everyday professional needs.

Cut Opening: Outstanding tool. Made my day... 'cause it is easy to use and when I run the Interference check (either in Revit or Clash detective in Navis) saves time due to unnecessary clarifications and acceptance of these clashes. Thanks for this tool that thinks of our needs as designers!

Edgardo J. Lopez, Industrial Sprinkler Corp., Puerto Rico

I found your tools essential. I mainly used the Legend tool because, as far as I know, it's the only one allowing the separation Left, Right.

Dominique Compagnon, CEO and Architect at Agence D. COMPAGNON, France

The Excel2R software works fantastically. I really cannot do without it.

Donovan Young, CEO and Architect at Donovan Young Architecture, South Africa

All in all, I am happy with the tools. They seem to be robust and haven't caused any problems in Revit itself that I am aware of.

Ian Kidston, Owner of All Extension Design Service, Australia

Sort Mark is great. It saves lots of time. Especially when renumbering rooms.

Cenk ERKOÇOĞLU, Architect / BIM Manager at A Tasarım Mimarlık / A Architectural Design, Turkey



Free Revit® Family Browser

Smart Browser Free is a professional Revit extension for fast implementing of Revit families in external libraries, located on user's computer or company server.



Creating Openings in Building Constructions

Cut Opening Free easily cuts holes in the places where MEP ducts, pipes, cable traces or conduits intersect walls, floors, ceilings or roofs. This Revit add-on manages to create openings using Revit "Interference Check" results.



Importing Data from MS Excel® to Autodesk® Revit®

Excel2R extension imports MS Excel spreadsheets to Revit projects with its design settings. Such data can be synchronized with the original MS Excel spreadsheet at any time.



Adding Dimensions in Revit® Project

Quick Dimensions creates dimensions in Revit Project by applying user defined configuration: automatically adds dimensions to the selected elements; works in sections and elevations; creates multiple dimension chains with one click.



Creating and Managing Legends in Revit®

Powerful Revit extension that allows you to quickly create, modify, update legends for Revit elements. Dynamic Legend creates / updates intelligent legends and creates specifications on different legend pages. It works with all Revit categories that can be added to a legend view.



Sorting and Renumbering Elements

Sort Mark extension allows you to sort/renumber Revit elements in different ways and add additional information to any selected elements.



Sheet Management and Fast Documentation

Smart Sheets provides a set of tools for sheet management: creates new sheets by selected templates, adds new views according to the selected view position, and updates sheet parameters.



Walls Managing, Distributing and Changing Joins

Smart Walls is a great Revit extension for wall managing, distributing and changing joints; helps quickly manage and renumber walls in Revit projects.



Floor Panel Insertion and Modification

Smart Floors very accurately and easily creates pre-stressed concrete floor systems. This Revit add-on modifies offsets, position of floor panels and inserts holes into floor systems.



Coping Structural Framing Elements

Sort & Cope manages a process of coping with structural framing elements by predefined coping distance. This Revit® extension quickly and easily copes with ends of beams and trusses in different ways. It provides a set of tools for coping with structural framing elements by predefined framing distance.



Creating and Managing Rooms, Areas and Spaces with HVAC Parameters

RAS (Room, Area, Space) Manager helps to quickly create / manage spaces and rooms with engineering data, and calculates supply and exhaust airflow in Revit projects.



Overall Heat Transfer Coefficient (U-Value) Calculation

U-Value calculates precise overall heat transfer coefficient (U-Value) for walls, floors, roofs, ceilings and foundation slabs. It can also be used for calculating U-Values of framed constructions.

SECURING BIM BENEFITS

We boost the safety and payback of BIM investments by facilitating fit with client needs and productivity gains.

BIM solutions for Revit® professionals

Based on the needs and solved problems of the world's most progressive BIM companies

Complete BIM software for prefabricated design, timber and metal-construction design, sustainable design, MEP engineering and BIM data management

Cut Opening provides good value for money and is a big time saver. I would say that it had already paid off on the first project. Approx 800 holes in concrete prefab elements and floors for Electrical, water and ventilation models.

Daniel John Davies, ICT / BIM Coordinator at Balslev Consulting Engineers A/S, Denmark

I use Smart Browser Manage every day to modify our families. We have over 15,000+ families in our library and to look after them manually would be incredibly inefficient. The time savings I gained from using this product paid for its self in the first 2 weeks of use.

Ben McKay, CAD System Manager at Wiley & Co, Australia

We are very pleased with the Smart Hangers software and the customer service at AGA CAD.

Alex Mak, BIM Operator / 3D Modeller at Entire Fire Protection Pty Ltd, Australia

I think Rafter+ is pretty simple to use and can be very helpful. It saves a lot of time creating roof framing plans; with the advantage of creating take-offs immediately.

Francisco Contreras Chaves, CEO and Architect at CINCO, Chile

Truss+RT and Rafter+ are my favorite Revit add-ons. They save me 10-40% of my working time depending on the complexity of the roof. I have tried the other third part of Revit add-ons, but most have not saved any time and proved to be not a great help. In my experience these Tools4Revit add-ons are mainly nice and most useful are Revit apps.

Heiner Dillmann, Owner of Müller & Neumeister, South Africa



Building Design, Facility Management, and BIM Data Analysis in the Current or Linked Revit® Projects

BIM Tree Manager helps to easily replace elements from one LOD (Level of Development) to another. Users can group, quantify, and analyze project data in different sections of BIM Data Tree that allows understand the project better and avoid mistakes. BIM Tree Manager can search for, review, modify, and insert new families. BIM Tree Manager organizes BIM data in a Dynamic Tree layout!



Revit® Family Search & Management

Smart Browser Manage performs tasks with Revit families. Users will not need to modify families one by one anymore. All modifications happen in real time, this allows users to easily avoid mistakes and control all process of family parameter changes. With Smart Browser Manage user can find differences between families in the project and families in the library. The project will always have updated families.



Automatic Creation of Openings and Collision Detection

Cut Opening manages the creation of openings in Revit where ducts, pipes, cable trays or conduits intersect floors, walls, roofs, ceilings, beams, and columns. Application uses Revit "Interference Check" results for opening creation. Cut Opening automatically detects and adds openings for different categories. Openings can be added according to MEP elements that come from the current, linked or IFC files.



Shop Drawings Generation

Smart Assemblies creates assemblies and corresponding views of walls, parts, floors, structural framings, architectural columns, structural columns or structural foundations you select in the project. Software automatically generates dimensions in views by predefined rules. Assembly sheets are generated automatically by a predefined sheet template where views and schedules are placed in specified places.



Versatile Building Design

Insert Elements helps to quickly insert architectural, structural, mechanical elements (furniture, lighting fixtures, mechanical equipment, structural connections, areas, etc.) by using built-in and fully customizable rules in predefined positions that are logically related to other objects. A database of rules can be easily extended by Autodesk Revit users' request.



Timber Wall Frame Design from Model to Shop Drawings

Wood Framing Wall+ solution provides a set of intuitive functions for wall wood framing and shop drawings. Wall framing in Revit has never been an easy task. With Wall+ solution it became as easy as clicking a few buttons. Finish your modelling with built-in shop drawing generator and deliver your wall framing estimation the same hour.



Automated Roof Rafter System Design

Professional BIM software for wooden roof framing in Revit. Rafter+ provides a powerful set of intuitive, automated functions for wooden roof creation and element scheduling. It allows an easy framing completion of any roof shape.



Wooden Roof Trusses System Design

Powerful BIM solution with a completely new view on design of truss system in Revit. Truss+ RT allows structural designers develop their truss projects quickly on one platform. Quick, easy and versatile software enables design building and analysis as well as documentation creation in minutes rather than hours.



Metal Wall Frame Design from Model to Shop Drawings

Metal Framing Wall+ significantly increases designer's productivity incorporating whole metal stud wall design process into one solution. Wall+ empowers Revit users to automate the modelling, clash detection & manufacturing of light gauge steel framing including shop drawings, cut lists, optional CNC export (to Howick, Metroll, etc.) and more.



Steel Roof Truss System Design

Metal Framing Truss+ RT enables architects, structural engineers and light gauge steel manufacturers to create metal truss systems automatically based on different roof shapes. After modelling, you can export trusses to CNC machines for manufacturing.



Fire Protection System Modeling

Smart Sprinklers allows easy planning of sprinkler's location in the BIM model with a real time interference checking and automatic pipe routing from sprinklers to the distribution pipes in predefined way. Smart Sprinklers solution lets user choose between different routing preferences that have visual identity. Suitable for Australian, American and European regions.



Heating System Management, Balancing and Analysis

R-Heating is a complete solution for heating system design. It includes all steps for designers – the distribution of heating devices, automated connection to a system and it's hydraulic balancing that even Revit does not has.



Distributing Hangers on MEP Elements

Powerful solution that distributes hangers or supports ducts, pipes, cable trays, conduits or other line based generic model elements in various ways. Hangers or supports can be automatically attached to sloped roofs, floors, structural foundations, structural framings, walls or even reference planes from the current or linked project. Smart Hangers has a possibility to split line based MEP elements according to manufacturer's specified lengths.



Ventilation System Design

Powerful BIM software that helps to distribute elements and calculate engineering information automatically. Smart Diffusers solution transfers information from manufacturers' logarithmic graphs to air terminals, duct fittings and other ventilation system accessories. Using these special families engineer will be able to find and distribute optimal ventilation decision.



Calculation & Analysis of Building Energy Needs

Green BIM solution for the calculation of energy use for space heating and cooling is based on ISO, DIN and STR standards.

Missing some Functionality? Become Our Customer!

We continually develop our existing solutions while also creating new products to meet our customers' needs.

That means every customer is wanted and every customer is important.

You are welcome to join our community and work together with us to create the best-ever tools for BIM!

FOR THE GOOD OF THE BIM INDUSTRY

We actively support progress in the BIM industry,
seeking to ensure a market that offers benefits for all.
Together we can build a better BIM!
Together we can build up the BIM industry!

Progress toward an authentic BIM industry is the responsibility of all in the AEC sectors. Many have already decided to move to BIM with AGACAD and regularly request further product development. These companies not only benefit from continuous BIM acceleration in their projects, but also contribute to the overall growth of BIM.

It's time to work together for the sake of the new BIM industry!

Benefits we can achieve from collaboration:

- Less stress in daily work
- Faster design completion
- Continuous BIM acceleration
- Easier BIM
- Savings of time and money
- Increased profitability of projects
- Satisfaction with ROI

Who we are

We are energetic and visionary engineers with expertise in computer-aided design, BIM processes and software development.

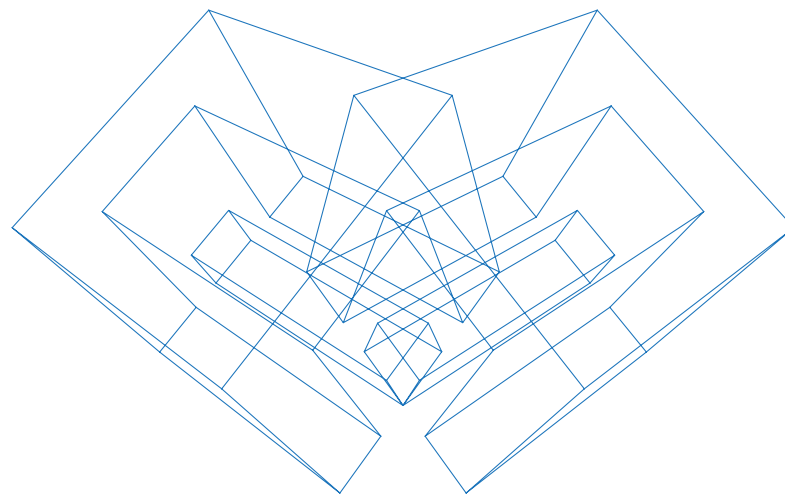
We share the worlds' leading BIM users practice. It's in our solutions.

Our Values are:

- Competence - We are qualified engineers, programmers and BIM experts who have been working in the CAD BIM market since 1991.
- Living BIM - We base our work on the real-life, cutting-edge experience of the world's most progressive BIM organizations, whom we serve by developing BIM solutions customized to their needs.
- Customer Alignment – We develop BIM tools based on the wish lists of our existing customers.
- Honesty - We say and do what we mean.
- Sincerity - We strive to respond thoughtfully and considerately to the needs of every client.
- Socially-mindedness - We actively support the development of a BIM industry that offers benefits for all.

More facts

AGA CAD Ltd. is the developer of T4R© (Tools 4 Revit) add-ons for Autodesk® Revit® and professional BIM software for the fields of architecture, engineering, construction and facilities management. Operating since 1991, the company was among the first developers globally to create productivity applications that enhance the workflow of all Autodesk Revit users.



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