

32 YEARS
DELIVERING TOMORROW'S AEC

 **AGACAD**
TOOLS 4 BIM

BUILDING BIM TOGETHER

SHARING BIM ADVANCES

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

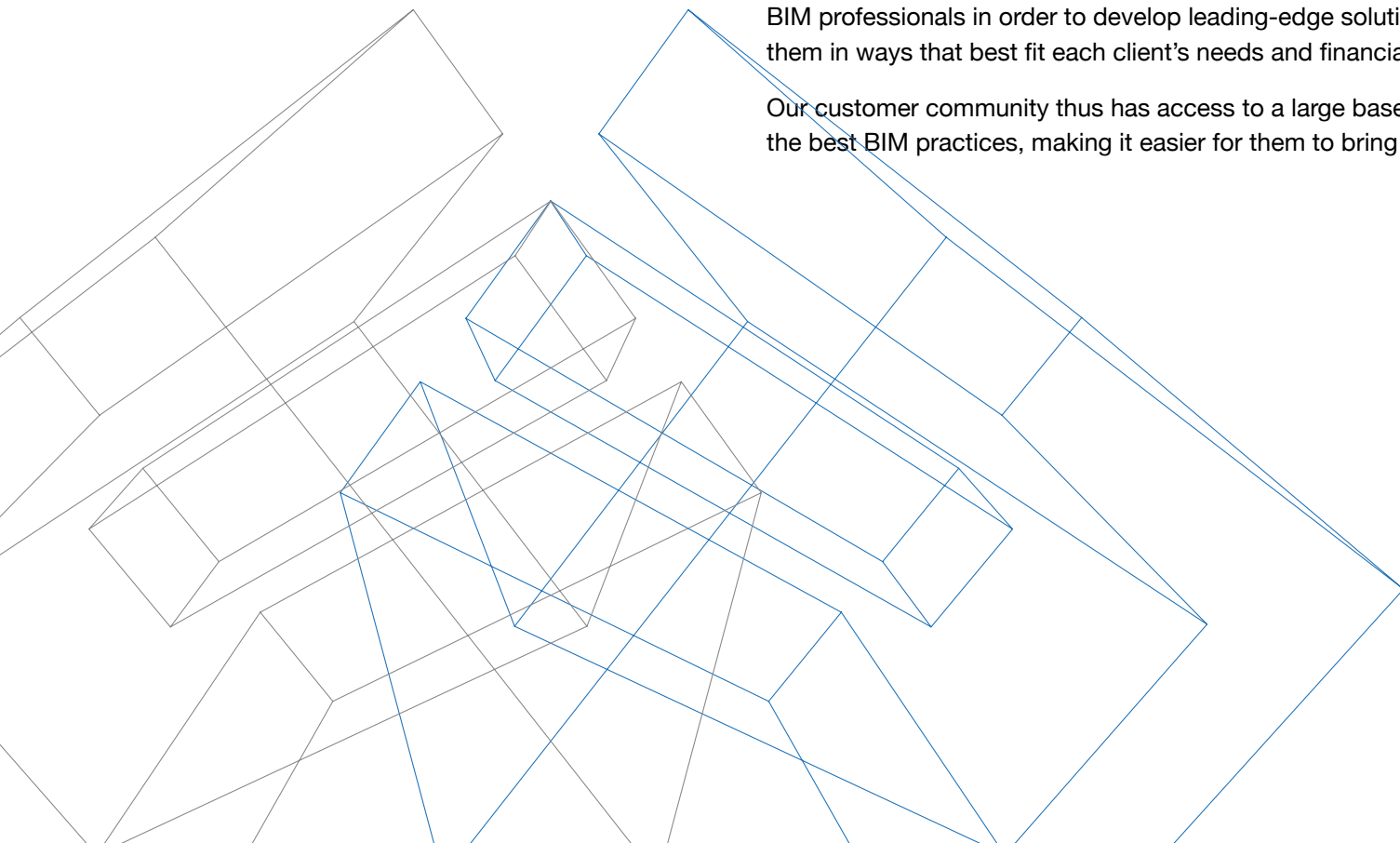
About AGACAD

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 create value?

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 the headaches that Autodesk® Revit® software can cause
- Projects completed on time and at the highest quality standards
- More time for creativity and engineering work since less time is needed for drafting

For BIM Managers

- BIM in a way to truly fits your needs
- Easier BIM data analysis and management with no time lost on manual data extraction
- Projects completed on time and at the highest quality standards

For Owners and Managers of AEC Companies

- Safer investments
- Reduced project delivery time
- Confidence in the ROI for transitioning from CAD to BIM

BIM best practices? They're 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



Excel2R: "Our company develops Excel schedules far ahead of our model design, so it is necessary for us to include those schedules with our Revit projects. In the past, we would use AutoCAD and its datalinks to export a CAD file that we would import to Revit which was met with all kinds of inconsistent and bewildering results. Now we can with the push of a button update our schedules, and even at a glance see which schedules are out of date. Beyond that, AGACAD's support is amazing. We encountered a formatting/display issue which we informed them of, and in a very short period of time, the issue was resolved in the next version of the software. I haven't experienced anything like that with any other software company. Incredibly satisfied!"

Freddie Kleiner, IT/Drafter at TJP Engineering (USA)

"I found your tools essential. I mainly used the Dynamic 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)

"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)

Based on the wish lists of Revit® users worldwide

More than 13,000 Revit users in 130 countries use T4R (Tools 4 Revit®) software for their everyday professional needs.

"We have used the Sort Mark software daily, and it has been working very well. We have found it extremely useful. Actually it is a must have for us."

Mikael Ruppenon, BIM Specialist at ALA Architects Ltd (Finland)

"Annotating dimensions is very important process in the project and it is the last item that we need to do on our check list. Even though it is a simple job, it takes a long time. Quick Dimensions is very helpful tool and saves time. You can easily annotate dimensions with one click."

Çenk ERKOÇOĞLU, Architect / BIM Manager at A Tasarım Mimarlık / A Architectural Design (Turkey)

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

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

"Our company utilizes both Smart Sheets & MEP Hangers heavily. (...) Smart Sheets has been a great time saver when working on larger projects with many floors or areas. For example, a large hotel complex. We would recommend these products to any company that places hangers or works with larger scale projects."

Mike McGinn, Building Information Modeler / Plumbing Designer at PACE Collaborative (USA)





Free Revit® Family Search & Sort Utility

Smart Browser Free lets you easily find families in external libraries on your computer or server, check their types and parameters, view them in 2D or 3D, then drag-and-drop to add elements to your project.



Flexible Element and Grid Renumbering

Sort Mark can renumber any Revit® elements just the way you wish, also detecting and renumbering grids. It determines swing direction and orientation, adding them as properties, recalculates shared coordinates, and more.



Free MEP Clash-Point Hole-Cutting Tool

Cut Opening Free uses Revit® 'Interference Check' results to automatically create holes wherever ducts, pipes, cable trays or conduits intersect walls, floors, roofs, or ceilings in a project. You can then edit the openings.



Multi-Sheet Manager with View Control

Smart Sheets lets you create and manage large numbers of sheets in Revit® based on templates and sorting results. Add views instantly to an entire set of sheets and control alignment of positions. And update parameters for many sheets at once.



Free Multi-Element Auto-Selection Tool

Smart Select for Revit® quickly selects room and space elements by category, family or type, and network elements for any pipe or duct; plus custom filters. Save time and avoid errors – no more manual repetition or missed elements!



Toolbox for Wall and Join Management

Smart Walls is a powerful add-on for managing walls in Revit®, letting you rapidly disassemble layers into different wall types, fully control joins and gap distances, insert gravity points, split walls by grids, and add orientation, elevation or coordinate details.



Excel-to-Revit® Data Import and Links

Excel2R imports Microsoft Excel spreadsheets into Revit® projects, including style settings. Tables are easily created and kept current because data are linked. This significantly speeds up project documentation.



Beam and Truss Auto-Coping Extension

Sort & Cope eliminates the need to cope structural framing elements one by one in Revit®. This tool lets you cope trusses and other constructions in one click, cope beams by types of connection or intersection, and change coping distance or method.



BIM Project Dimensioning Accelerator

Quick Dimensions enables you to automatically add dimensions to chosen elements – including in elevations and sections! Also create multiple dimension chains at one go, and join isolated dimensions to a chain.



Room and Space Manager + HVAC Tools

RAS Manager automates work in Revit® with rooms and area-measurement rules as well as with spaces and their assignment to zones. It offers smart insertion of rooms and spaces with full engineering data and parameter values including elevations, plus tools to calculate supply and exhaust airflow.



Smart Legend Creation and Easy Update

Dynamic Legend creates intelligent legends in Revit® that you can update with a click. It also splits specifications across pages, allows multiple views of any element (including real pictures), and works with linked projects.



Overall Heat Transfer Coefficient Calculator

U-Value calculates the overall heat transfer coefficient for walls, floors, roofs, ceilings, and foundation slabs in a Revit® project, as well as for framed constructions. Materials data can be imported for the analysis and results can be exported.

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

True BIM software for wood and metal framing, precast concrete design, hangers and supports design, MEP openings design and management, sprinkler design, hydraulic systems design, ventilation systems design 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 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 MEP Hangers software and the customer service at AGACAD."

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

"What's most useful? The automatic measurement of elements. Making the walls unique and automatically entering the gravity point. The Precast Concrete software itself measures. So we save a lot of time in the preparation of assemblies, which are then easy to update and maintain."

Niels Docter, BIM Modeller at BIM4ALL B.V. (Netherlands)

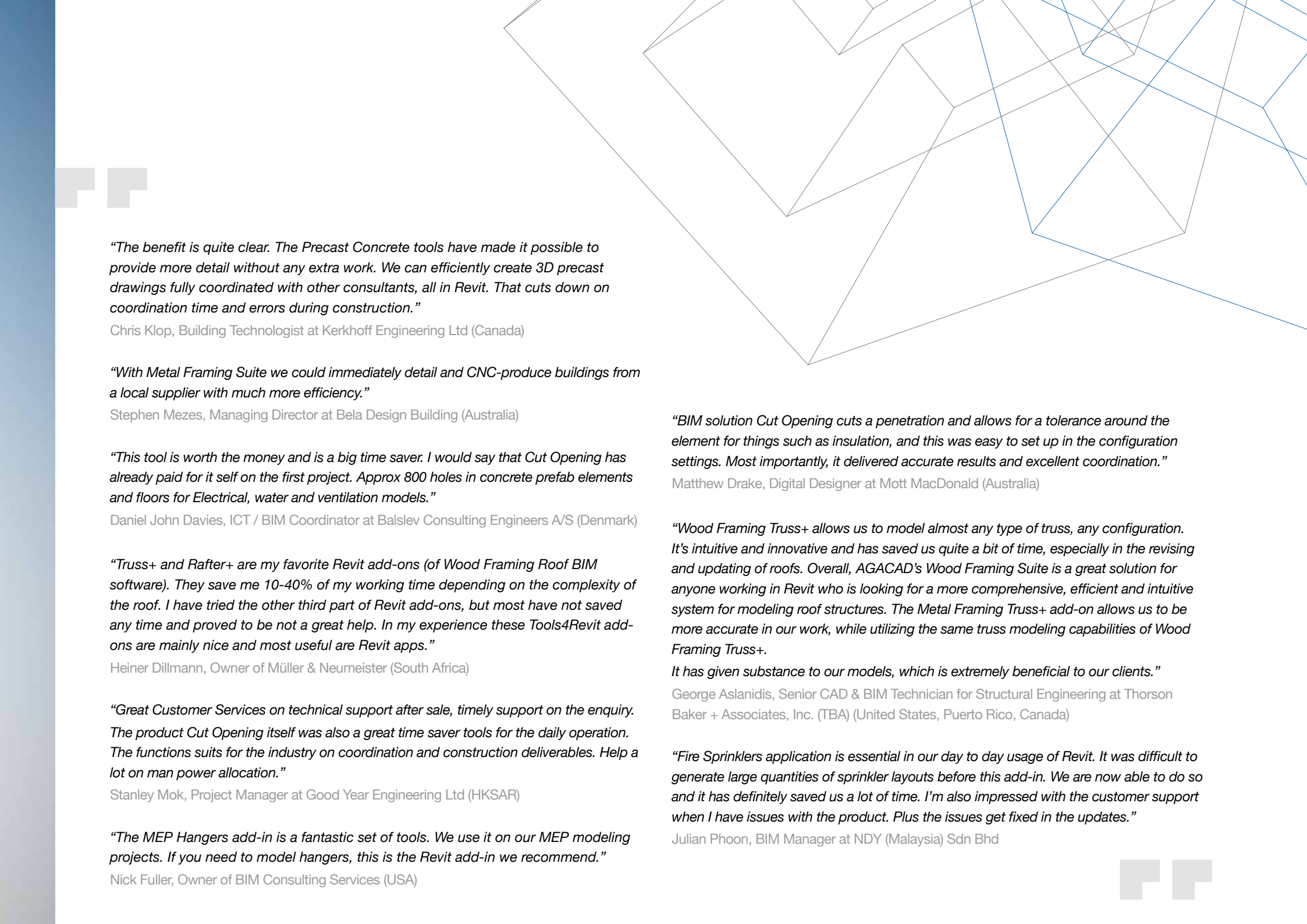
"I think Rafter+ is pretty simple to use and can be very helpful. It saves a lot of time creating roof framing plans; with the advantage of creating take-offs immediately."

Francisco Contreras Chaves, CEO and Architect at CINCO (Chile)

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)





“The benefit is quite clear. The Precast Concrete tools have made it possible to provide more detail without any extra work. We can efficiently create 3D precast drawings fully coordinated with other consultants, all in Revit. That cuts down on coordination time and errors during construction.”

Chris Klop, Building Technologist at Kerkhoff Engineering Ltd (Canada)

“With Metal Framing Suite we could immediately detail and CNC-produce buildings from a local supplier with much more efficiency.”

Stephen Mezes, Managing Director at Bela Design Building (Australia)

“This tool is worth the money and is a big time saver. I would say that Cut Opening has already paid for itself 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)

“Truss+ and Rafter+ are my favorite Revit add-ons (of Wood Framing Roof BIM software). 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)

“Great Customer Services on technical support after sale, timely support on the enquiry. The product Cut Opening itself was also a great time saver tools for the daily operation. The functions suits for the industry on coordination and construction deliverables. Help a lot on man power allocation.”

Stanley Mok, Project Manager at Good Year Engineering Ltd (HKSAR)

“The MEP Hangers add-in is a fantastic set of tools. We use it on our MEP modeling projects. If you need to model hangers, this is the Revit add-in we recommend.”

Nick Fuller, Owner of BIM Consulting Services (USA)

“BIM solution Cut Opening cuts a penetration and allows for a tolerance around the element for things such as insulation, and this was easy to set up in the configuration settings. Most importantly, it delivered accurate results and excellent coordination.”

Matthew Drake, Digital Designer at Mott MacDonald (Australia)

“Wood Framing Truss+ allows us to model almost any type of truss, any configuration. It's intuitive and innovative and has saved us quite a bit of time, especially in the revising and updating of roofs. Overall, AGACAD's Wood Framing Suite is a great solution for anyone working in Revit who is looking for a more comprehensive, efficient and intuitive system for modeling roof structures. The Metal Framing Truss+ add-on allows us to be more accurate in our work, while utilizing the same truss modeling capabilities of Wood Framing Truss+.

It has given substance to our models, which is extremely beneficial to our clients.”

George Aslanidis, Senior CAD & BIM Technician for Structural Engineering at Thorson Baker + Associates, Inc. (TBA) (United States, Puerto Rico, Canada)

“Fire Sprinklers application is essential in our day to day usage of Revit. It was difficult to generate large quantities of sprinkler layouts before this add-in. We are now able to do so and it has definitely saved us a lot of time. I'm also impressed with the customer support when I have issues with the product. Plus the issues get fixed in the updates.”

Julian Phoon, BIM Manager at NDY (Malaysia) Sdn Bhd



Synchronous Revit® Family Management

Smart Browser adds or changes BIM object parameters and values based on rules, eliminating error-prone manual work to update Revit® families. Adapt in real time to new LOD specifications, object standards, and record-model needs, keeping project and library families in sync across your full BIM team.



Integrated Design and Creation of Holes

Cut Opening defines and reserves spaces in Revit® models for ducts, pipes, cable trays and conduits. Structural engineers and architects can then review, revise, and create the approved holes with a click. Suitable openings are designed automatically based on the location and types of clashes detected for MEP elements in current, linked, or IFC files.



Fast & Easy Views Generation in Revit®

Smart Views creates any number of views with automated dimensions for selected elements in Revit – without needing to generate an assembly. This plugin not only generates the number of views that you set in the configurations, but it also automatically places dimensions in those views according to your predefined rules.



Shop Drawings & Dimensions Generation

Smart Assemblies creates the views, rules-based dimensions, and assembly sheets you need for combinations of structural and architectural elements. It thus overcomes limitations in Revit® functionality, so that even manufacturers and on-site personnel can generate shop drawings easily.



LOD 400 Modeling Automation in Revit®

Smart Connections can instantly add any number of face-specific intelligent details – which adapt to host-element changes – throughout BIM models. Easily set up rules to insert or adjust details based on gravity point, depth, adjacent elements and more. Structural engineers save many hours per project.



At Least 2x Faster Documenting of Revit® Projects

Smart Documentation automates, simplifies & ensures consistency in preparing drawings & documents with corresponding views & dimensions from Revit models. Automating deliverables for architectural, structural & MEP projects.



Effective Management of MEP Supports

MEP Hangers enables instant large-scale insertion or revision of support elements for ducts, pipes, cable trays, conduits, and other objects throughout a Revit® model. It also offers MEP-element splitting, calculation of hanger-strength needs, instant shop drawings for assemblies, and support for IFC files.



Precast Element Design & Documentation in Revit®

This is full-power BIM software for the detailed modeling of precast concrete elements in Revit®. Easily split, update and modify walls and floors. Use flexible rules to insert connection details, plates, grout tubes, anchors, etc. Get dynamic updating of assemblies for project changes, plus automatic sorting of elements, shop drawing generation and more.



Advanced Automation from Design to Construction

Wood Framing Suite is the most powerful Revit®-based BIM software for timber frame constructions. Designers and manufacturers of timber structures can automate wood framing design work, analysis, scheduling, fabrication and construction for projects of all kinds. That includes specialized framing solutions for buildings designed with SIPs, CLT, or heavy timber.



Ideal for Modeling Light Steel Framed Constructions

Metal Framing Suite leverages the full potential of Revit® and the insights of global BIM experts to automate lightweight metal framing work for projects of all kinds with single or multi-layer metal-frame walls, floors and roofs. That includes prefabricated panels, rafters and trusses, and robust solutions for detailed curtain wall or ventilated facade designs.



Direct Export of Timber Frames from Revit®

AGACAD CNC Exporters automatically assemble all framing members per user definitions and send all necessary data to the most popular CNC machines like Weinmann, Randek, and Hundegger for flexible manufacturing of wood houses. The software can be adapted for any other CNC machines if needed.



Direct Export of Steel Frames from Revit®

AGACAD CNC Exporters allow direct export of light-gauge steel frames modeled in Revit® to automated CNC machines manufactured by Scottsdale, Royal CNC, Metroll, and Howick. This solution generates CSV and TXT extension files readable by CNC machines for wall, floor, roof frames and truss production. Studs and plates are exported to separate files.



Optimized Packing & Logistic Organization in Revit®

Panel Packer helps to create information for a detailed logistics plan so that prefabricated construction components arrive on time, in the right quantities, at the right place of the construction site.

Our solutions are endorsed by Autodesk.

AGACAD is one of Autodesk's
AEC Industry Partners.





METAL FRAMING WALL

Direct Access to Classification Standards

BIMAXON ICS (Integrated Classification System) is a classification engine that makes it easy to organize data according to international, national and company-level classification standards, with pass-through to Autodesk® Revit®, Autodesk® Civil 3D®, Autodesk® Navisworks®, and Tekla®, Buildings, spaces, structural and engineering systems, their components, products or equipment, and construction materials can be classified directly in BIM projects.

METAL FRAMING ROOF

Metal Wall Frame Design and Drawings

Metal Framing Wall gives Revit® users a one-stop full-power platform for whole metal stud walls – from the auto-design of light gauge steel framing and real-time takeoffs, to shop drawings and cut lists. Optional CNC output enables your model data to be automatically exported to manufacturing (Howick, Pinnacle machines etc.). CNC drivers support both C+C and C+U framing types.

METAL FRAMING FLOOR

Full-Feature Metal Roof Framing Solution for Revit®

Metal Framing Roof lets you quickly create even highly complex steel framing for roofs in Revit® models. Powerful features simplify roof panel layout planning, roof splitting and more. The software automates shop drawings, including the sorting, tagging, dimensioning and scheduling of all frames, as well as exports to CNC machines.

CURTAIN WALLS & PANELS

Revit® Turbocharger for Metal Frame Floors

Metal Framing Floor greatly accelerates steel framing work in Revit® for floors with any number of layers. It automates the modeling of members, details and openings, plus joist alignment, sheathing layouts, CNC exports and more. Finish faster and boost quality at every BIM stage: from design and documentation to fabrication and construction.

VENTILATED FACADES

Versatile Curtain Wall & Panel Creator

Curtain Walls & Panels solution enables quick and easy framing of architectural curtain walls or curtain panels in Revit® with real-time full project updates. It enables the instant large-scale insertion of mullions, transoms, window glass holders, pressure plates, cover plates, insulators and infills throughout your Revit model.

SANDWICH PANELS

Ventilated Facade Creation on Demand

Ventilated Facades software makes it quick and easy to design ventilated facades in Revit® with highly detailed elements and real-time full project updates. This platform enables the instant large-scale insertion of hangers, fixings and brackets throughout your Revit model.

Sandwich Panel Design Automation for Revit®

Sandwich Panels brings a collection of powerful features and top-notch automation for efficient modeling, data management, and output. It enables create coordinated, consistent, and complete model-based designs for paneling, framing, sheathing, detailing, scheduling, and more.

WOOD FRAMING WALL

Ready-to-Build Wood Wall Frame Design

Wood Framing Wall is a full and efficient solution for timber wall frames – from auto-design based on pre-set or custom rules, with real-time take-offs and views, to shop drawings and cut lists ready for production. Just click to edit or save configurations as templates, export to CNC machines, and more.

WOOD FRAMING ROOF

Full-Feature Timber Roof Framing Creator for Revit®

Wood Framing Roof enables the quick and easy creation of even complex wood framing for roofs in Revit® models. Powerful features simplify roof panel layout planning, roof splitting and more. The software automates shop drawings, including the sorting, tagging, dimensioning and scheduling of all frames, as well as exports to CNC machines with all desired views, schedules, and drawings for each structural element.

WOOD FRAMING FLOOR

Revit® Power Booster for Timber Frame Floors

Wood Framing Floor turbocharges wood framing in Revit® for floors with any number of layers. It models members, details and openings, also automating joist alignment, sheathing layouts, shop drawings and more. Export to CNC machines and CAD/ CAM production lines. Finish faster and prevent errors at every BIM stage: from design and documentation to fabrication and construction.

WOOD FRAMING SIPS

Full SIP System Creation for Any Geometry

Wood Framing SIPS makes wood framing with structural insulated panels fast and easy with real-time, full-project updates in Revit®. Plus the software generates views with automatic dimensions for wall, floor and roof panels or segments as well as accurate bills of materials and shop drawings. So quality production and accurate assembly on site are ensured.

WOOD FRAMING CLT

Efficient CLT-based Building Creation

Wood Framing CLT lets Revit® users instantly create cross-laminated timber floor, roof slabs and wall panels of any shape or complexity. Plus the software generates views with automatic dimensions for panels or segments as well as accurate bills of materials and shop drawings.

WOOD FRAMING OAK

Heavy Timber Framing Creation on Demand

Wood Framing OAK lets Revit® users instantly frame mass timber walls, floors, and roofs; create post-and-beam framing structures; perform structural analysis; generate custom shop drawings for manufacturing and constructing log houses or heavy timber frame homes; and optionally export to CNC machine.

Our solutions are endorsed by Autodesk.

AGACAD is one of Autodesk's
AEC Industry Partners.

 **AUTODESK**
AEC Industry Partner

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

AGACAD TRAINING & CONSULTING

We're the developer of the world's widest range of BIM software for Revit® professionals and other innovative digital construction solutions.

Global Training Division

We're also home to one of the oldest Autodesk Authorized Training Centers in Europe.

- CAD, BIM and digital construction consultants since 1991
- Thousands of AEC professionals trained and consulted
- Supporting users of AGACAD tools and solutions in 130 countries

 **AUTODESK**
Learning Partner

Authorized Training Center
Authorized Certification
Center



BIM SOFTWARE / INDUSTRY TRAINING

Standard or tailored sessions; on-site or online anywhere in the world; for company groups or individual AEC professionals.

INTERNATIONAL TRAINER-ADVISOR HUB

A broad network of expert AEC practitioners and trainer-consultants with diverse BIM specializations and industry experience

Inquire about training or consulting:

T: +370 618 55671 | E: info@agacad.com

EXPERT ADVISOR NETWORK

AGACAD both employs and constantly works with top digital construction professionals around the world. Those advanced practitioners' insights help drive the development of our BIM solutions. The same employees and associates also provide our clients with outstanding training and advice.

TRAINING & CONSULTING FIELDS

- User training for AGACAD and Autodesk products
- BIM basics and international best practices
- Advanced Framing / Precast / MEP work in Revit
- Effective management of building information
- Project-specific consulting and recommendations

Inquire about training or consulting:

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Who we are

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

We share the expertise of the worlds' leading BIM users. 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

AGACAD is the developer of the world's widest range of true BIM software for Revit® professionals. Its solutions –with 13,000+ users in 130 countries– share top practitioners' insights and approaches and automate best practices in a spirit of 'Building BIM Together'. AGACAD is now celebrating 32 YEARS DELIVERING TOMORROW'S AEC.



Value Added Services
Authorized Developer
Authorized Training Center
Authorized Certification
Center



AGA CAD Ltd

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