OVERVIEW

EdgeWise™ software are designed to automatically extract features from point clouds, obtain fast and accurate “as-built” BIM & CAD models and reduce 3D modeling time.

The first version of EdgeWise™ Building focused on building and terrain modeling and was launched in 2009. The technology rapidly gained customer traction and industry acclaim. In 2011 EdgeWise™ Plant was released for the process manufacturing and plant modeling industry, which was soon followed by EdgeWise™ MEP.

EdgeWise™ users report an average modeling time savings of 70%. And because models created in EdgeWise™ export to Autodesk® Revit® as properly specified wall, floor, pipe, duct, conduit, window or door families, there is no more remodeling or tracing in Revit®!

MAIN INDUSTRIES

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"EdgeWise Plant should be in every pipe modeler’s toolbox... We reduced our 3D modeling time substantially."

ROBERT GREENHALGH
3D Data Specialist, Ramboll Oil and Gas

"Edgewise is a huge step forward in our market. Tasks that used to take us days to complete can now be done in a few hours."

KELLY CONE
Innovations Director, Beck Group
EdgeWise™ Plant PIPE MODELING

EdgeWise™ Plant offers a true end-to-end modeling solution for process plants, the host of features and tools to brings you from field to finish accurately and faster and the full compatibility with Plant 3D, PDMS and PCF. So the intelligent models you create in EdgeWise™ Plant can be exported to nearly all plant design platforms with no loss of data.

- AUTOMATED PIPE EXTRACTION
- QA TOOLS TO VERIFY ACCURACY & FIT QUICKLY
- SPEC-DRIVEN, DIMENSIONALLY-ACCURATE COMPONENTS (I.E. VALVES, FLANGES, REDUCERS, T-JOINS, ELBOWS, ETC.)
- SPEC EDITOR TO CREATE & CUSTOMIZE SPECS
- BILLION POINTS VISUALIZATION ENGINE
- AUTOMATIC & SEMI-AUTO PIPE EDITING TOOLS
- SMARTSHEET™ TECHNOLOGY ADDING INTELLIGENCE TO LAYERS/LEVELS TO PIPE RUNS
- EXPORT OF MODELS IN AUTOCAD®, REVIT®, MICROSTATION®, CADWORKS®, PLANT3D, PDMS

EdgeWise™ Structure STRUCTURE MODELING

The speed and accuracy of EdgeWise™ automated feature extraction, now for structural steel & concrete. Extract precise, correctly specified structural steel, concrete and wood members in just a few clicks, without clipping or cleaning your point cloud beforehand.

- STEEL, CONCRETE OR WOOD STRUCTURE AUTOMATED MODELING
- EXTRACT PRECISE SPEC-DRIVEN ELEMENTS (I.E. I-BEAM, ANGLE IRON, SQUARE TUBE, ROUND STEEL, CHANNEL, ETC.)
- EXTENSIVE QA AND EDITING TOOLS
- DIRECT INTEGRATION INTO REVIT® & CAD AS INTELLIGENT OBJECTS
- NEW “PATTERN RECOGNITION” AUTOMATED MODELING TOOL

EdgeWise™ MEP DUCT MODELING

Delivers fast MEP modeling workflows and full Revit integration. Thanks to this automatic connection, EdgeWise™ users can practically eliminate the need for manual MEP modeling of pipes, conduit and round ducting in Revit®. The easy-connect tool automatically joins MEP elements across occluded regions where no scan data exists, saving you countless hours of manual modeling.

- FAST EXTRACTION TOOLS CREATE COMPLEX AS-BUILT DUCTING
- QA TOOLS TO VERIFY ACCURACY & FIT QUICKLY
- UNIQUE ELBOW AND TRANSITION TOOLS TO ALLOW FAST AND EASY AS-BUILT MODELING
- QUICKLY CAPTURE AS-BUILT DUCTING WITH ABILITY TO COMPLETE ‘AIR-TIGHT’ SYSTEM
- EXPORT INTELLIGENT MODELS DIRECTLY TO REVIT®
The **EDGEWISE™ BIM SUITE** combines EdgeWise™ MEP, EdgeWise™ Structure and EdgeWise™ Building for a powerful automated BIM solution. Purchase the EdgeWise™ BIM Suite and receive the speed and accuracy of structure extraction, cylinder extraction and planar extraction on a single platform for one lower price.

The **EDGEWISE™ PLANT SUITE** combines EdgeWise™ Plant and EdgeWise™ Structure along with our PDMS and PCF plug-ins. Purchase the EdgeWise™ Plant Suite and receive the speed and accuracy of structure extraction, cylinder extraction and full integration with PDMS, CA-DWorx® and a host of other platforms for a lower price.

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**Add-On**

EdgeWise™ intelligent models can be brought into AVEVA's PDMS or into Autodesk® AutoCAD® Plant 3D platform with no data loss. You will be able to harness the speed of EdgeWise™'s automated 3D pipe modeling capabilities, key intelligence such as diameter, component type, elbow bend and more will transfer along with the precise geometry of the EdgeWise™ model.

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**Navisworks® Plug-in for Construction Verification**

Find Construction Mistakes Before They Become Expensive Problems!

It is estimated that 5% to 12% of a construction project budget is consumed by mistakes and rework. Verity™ can reduce this financial impact, resulting in reduced risk, more profitable construction projects, more accurate as-builts and fewer schedule delays.

**Add-On**

EdgeWise™ Building

BUILDING MODELING

EdgeWise™ Building

SUITE

Fast and accurate As-Built BIMs with full Revit integration. EdgeWise™ uses groundbreaking algorithms that can automatically identify and extract walls, windows, doors and other features from point clouds and export them as Revit family objects.

- Automatically Extract Walls, Windows and Other Planar Features
- Extract Precise, As-Built Walls and Import Them to Revit
- Direct Export/Import to Revit as Intelligent Revit Family Objects
- Semi-Automated Editing Tools Allow You to Extract and Adjust Your Model
- Extensive QA and Editing Tools in the Included Revit® Plugin

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**Verity™**

Understanding what work has been installed

Verify 100% of your work in the time it takes to spot-check 5%

Extensive QA and Editing Tools to Ensure Accuracy

Reduce Costly Rework from As-Built Variances

Clash Detect the As-Built in Navisworks Using the Verity Data

Communicate Findings to All Stakeholders

Deliver Accurate As-Built Models and Drawings