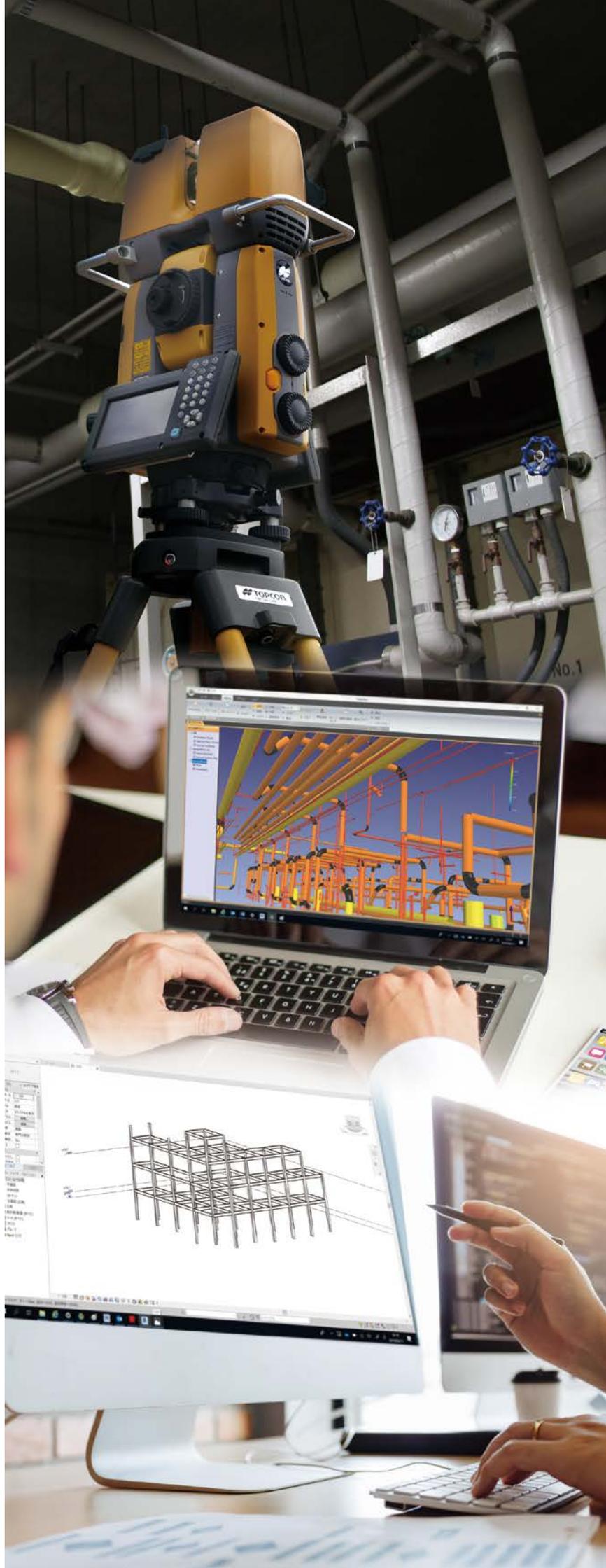# EDGEWISE

CLEAREDGE3D

EDGEWISE

Faster, More Accurate 3D Modeling

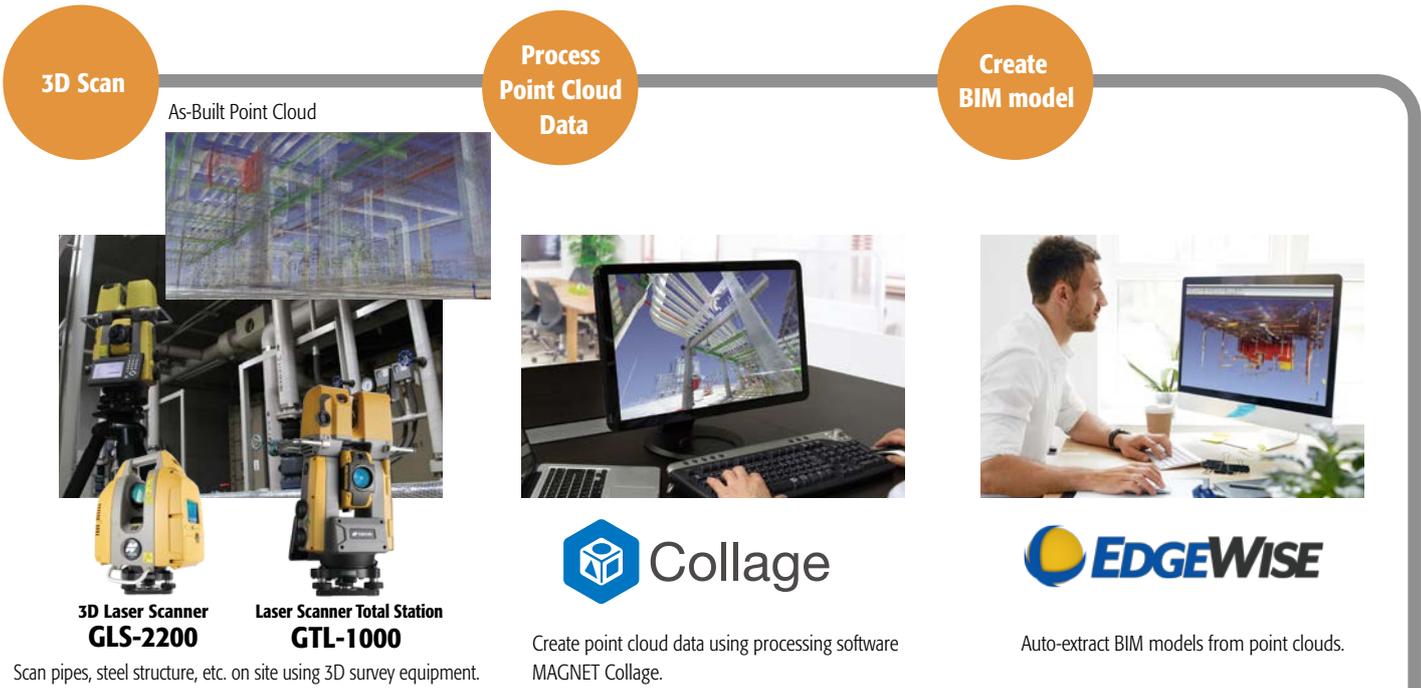# Automatically Extract BIM Model Elements from Point Cloud Data

- Automatic extraction of pipes, structure, and walls
- Pattern extraction of identical structural members
- Significant reduction of modeling time
- Easily create BIM model from point cloud data
- Data output to Autodesk Revit and other BIM software

Reduce up to 75% of your as-built modeling time using auto-extraction and Pattern Extraction features

EDGEWISE

Increase Efficiency of Your As-Built Modeling Workflow!

3D Scan

As-Built Point Cloud

Process Point Cloud Data

Create BIM model

3D Laser Scanner
GLS-2200

Laser Scanner Total Station
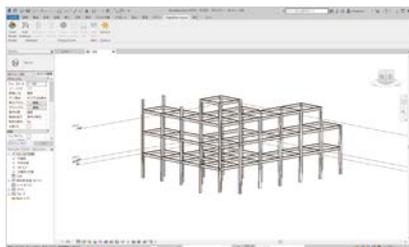**GTL-1000**

Collage

EDGEWISE

Scan pipes, steel structure, etc. on site using 3D survey equipment.

Create point cloud data using processing software MAGNET Collage.

Auto-extract BIM models from point clouds.

Export Model to BIM Software

Export to BIM software (Autodesk Revit)

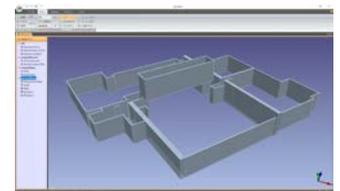Pattern extraction of steel structure

Auto-extraction of pipes

Efficiently Create BIM Models from As-built Point Cloud Data

Previously, creating BIM models from point cloud data was a time consuming process, but EdgeWise can drastically change this.

- Pipe modeling can be done automatically by just importing structured point cloud data
- Pipes and elbows can be connected in one click, complementing missing sections in the point cloud
- Rich standards library allows auto-extraction to be fitted to desired standards
- Auto-extraction of walls
- Intelligent algorithms that automatically recognize patterns and efficiently model identical objects

Easily Model Elements and Export to BIM Software

EdgeWise smoothly exports modeled elements directly into Autodesk Revit, the major software in the industry, as functional Revit families. EdgeWise is also interoperable with other leading BIM software.

Ex.) Pipe models can be exported to PDMS, AUTOCAD Plant3D, etc.

Operating Environment

OS	Microsoft® Windows® 10,8.1,8 (64bit),7(64bit SP1)
	Home Basic, Home Premium, Professional, Enterprise, Ultimate (recommended)
CPU	Intel® Core i7 - 8700K or AMD Ryzen 7 1700x 3.8 GHz or higher (with SSE2)
RAM	16 GB or more
Graphics card	Nvidia GTX 1050 or more

TOPCON

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