Elysium InfiPoints®
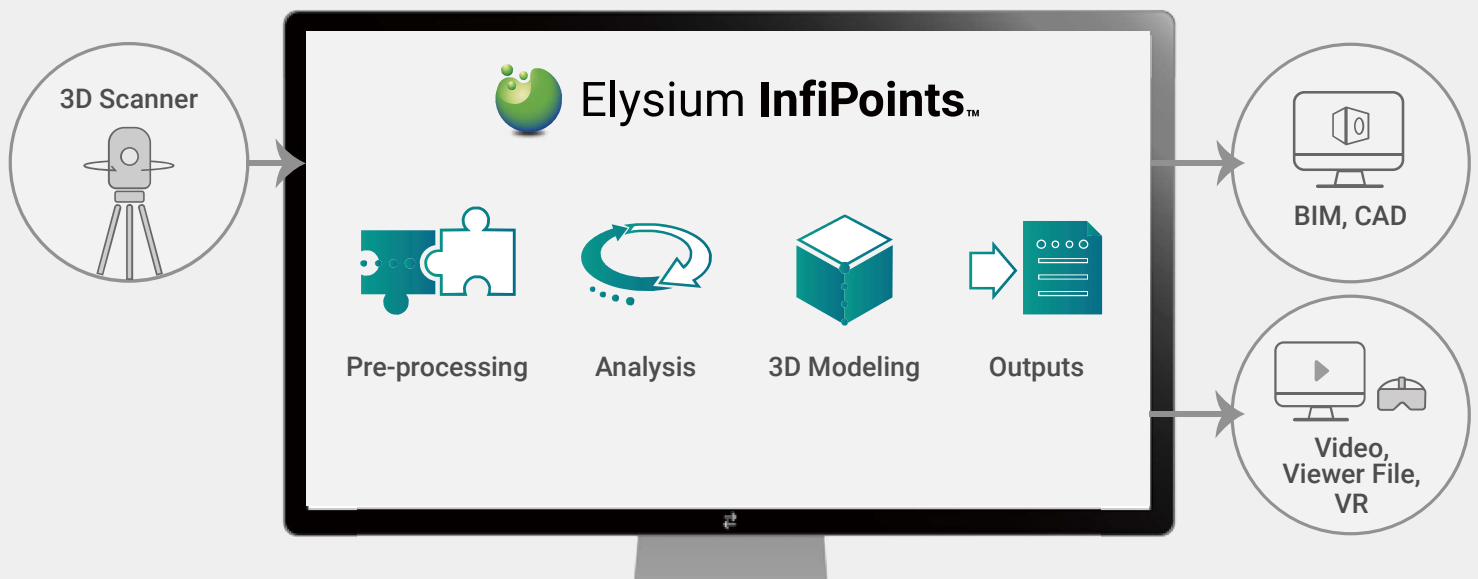
Empower Engineering with Infinite Point Clouds
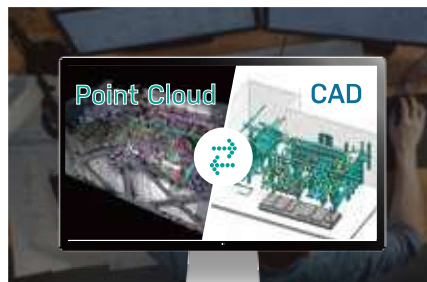
Accelerating the Use of Point Clouds

Point cloud data is the future of 3D capture technology, and the future is now.
InfiPoints brings you a new approach to processing, optimizing and sharing 3D Data.

All-encompassing
Point Cloud Processing Software

3D Scanner → **Elysium InfiPoints™**

Pre-processing   Analysis   3D Modeling   Outputs

→ BIM, CAD

→ Video, Viewer File, VR

Solid Performance

Stress-free handling of billions of points of your scanned data such as that of large buildings, plants and construction sites.

Rapid CAD Modeling

Point Cloud   CAD

Trouble-free modeling of pipes and steel structure. Deliver models to Revit or other CAD software.

Shared Experience

With anyone and from anywhere. InfiPoints offers Point Cloud VR, and viewer files.

HIghlighted Feature

POINT CLOUD TO CAD

No need to model pipes, ducts, steel structures and equipment from scratch any more.InfiPoints provides state-of-the-art automatic feature extraction of planes, pipes, ducts and steel structures.

Functionality

Data Import

[Supported format]
FLS/FWS, ZFS/ZFPRJ, PTX, CL3, E57, PTS, LAS, TXT, DP, VRML, STL, OBJ, IGES, STEP, DWG, DXF, ENF, CATIA V5, CATIA V4, NX, Creo Parametric, JT, Parasolid, ACIS (SAT)

Data Pre-processing

Automatic Registration

Noise Reduction

Feature Extraction

Point Cloud Optimizing

Analysis & Simulation

Measurement

Collision Detection

Verification against CAD Model

3D Modeling

Pipe Modeling, Steel Structure Modeling, Equipment Modeling, Duct Modeling

Polygon Generation

Advanced Outputs

VR Export

CAD Export

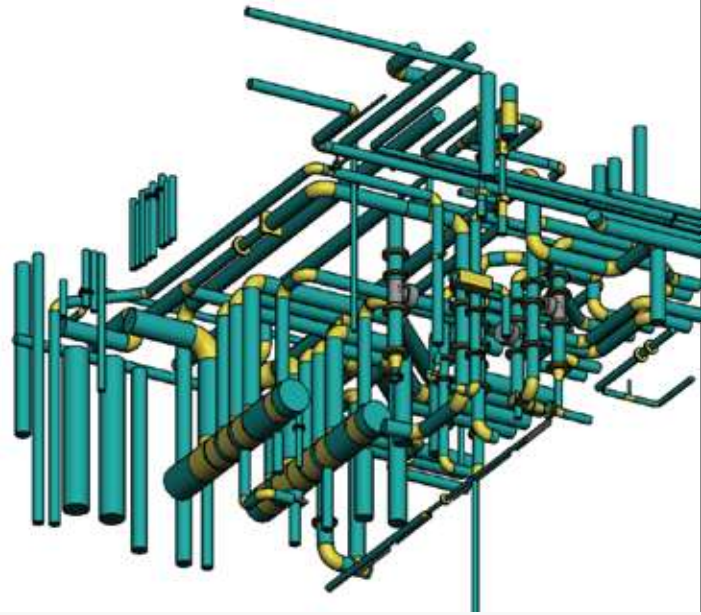Visualization File Export

Video Creation

Ortho Image Export

ELYSIUM

Elysium InfiPoints™

Revit Option

Streamlining
3D Modeling for BIM

Models extracted from InfiPoints can be directly imported into Revit, Autodesk's BIM software.
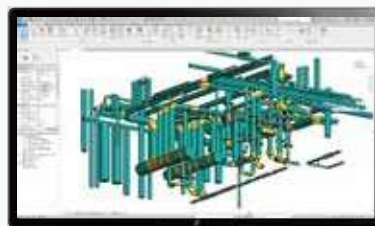This will allow you to considerably reduce the time spent on modeling.

From InfiPoints to Revit

No need to model from scratch any more

Automatic Extraction

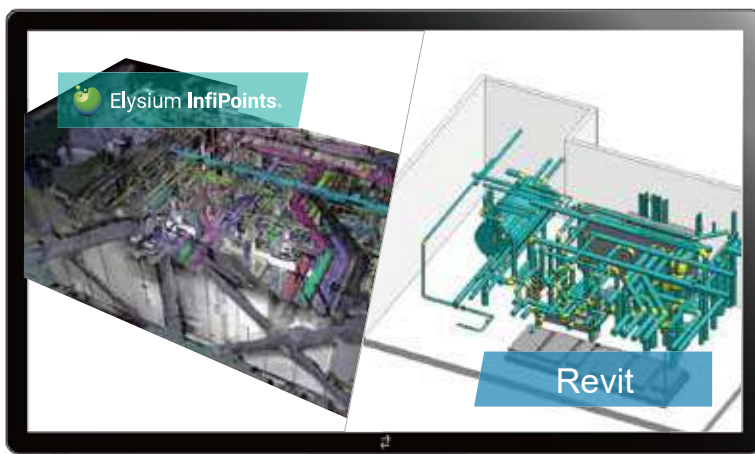Create CAD models by automatically extracting cylinders and planes from point clouds

Data Import

Drag-and-drop the file and open your extracted model in Revit. Start modeling in no time

Detailed Modeling

Detailed modeling within Revit

What you can import into Revit...

*Revit 2021, 2022 are supported.

- Pipe
- Duct
- Steel Structure
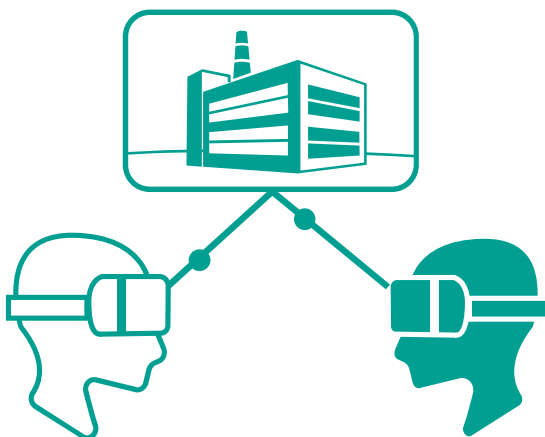- Plane

Elysium **InfiPoints**™

VR Option

Experience and Share...

Point Cloud × VR

Supports Oculus, VIVE and Valve

Experience VR of your 3D laser scanned point cloud through a head-mount display.

VIVE **oculus** **Valve**

From Anywhere...

Share your point cloud data with others.
Enter the 3D space from anywhere and examine the data with your colleagues located remotely.
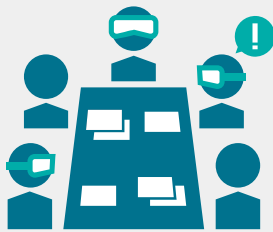No need to gather at one place anymore.

What's More with the VR Option?

Standard VR functions are included with InfiPoints Standard, and you can experience more by purchasing the VR Option.
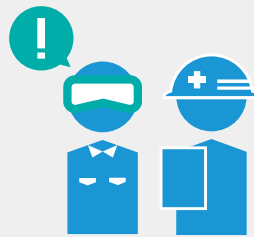
Elysium InfiPoints™

Basic	
	View operation
	Distance measurement
	Laser pointer
	Jump to the specified location
	Virtual inspection
	Display 3D notes created in InfiPoints
	Display 3D CAD models

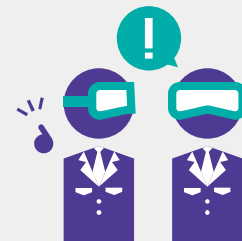| Optional	
	Viewer file export (*1)
	Multi-user virtual inspection
	Synchronize the view point between multiple clients
	Add dimensions
	Add comments and bookmarks (*2)

Utilizing Scenes

Meetings and Presentations

Safety Education

Business Discussion

Supported Hardware

oculus

Oculus Rift S

Oculus Quest 2

VIVE

VIVE Pro, VIVE Pro 2,

VIVE Cosmos, VIVE Cosmos Elite

Valve

Valve Index

*A PC that meets both InfiPoints and VR hardware specification is required.
Refer to the Elysium and VR hardware website for more information.*

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www.elysium-global.com