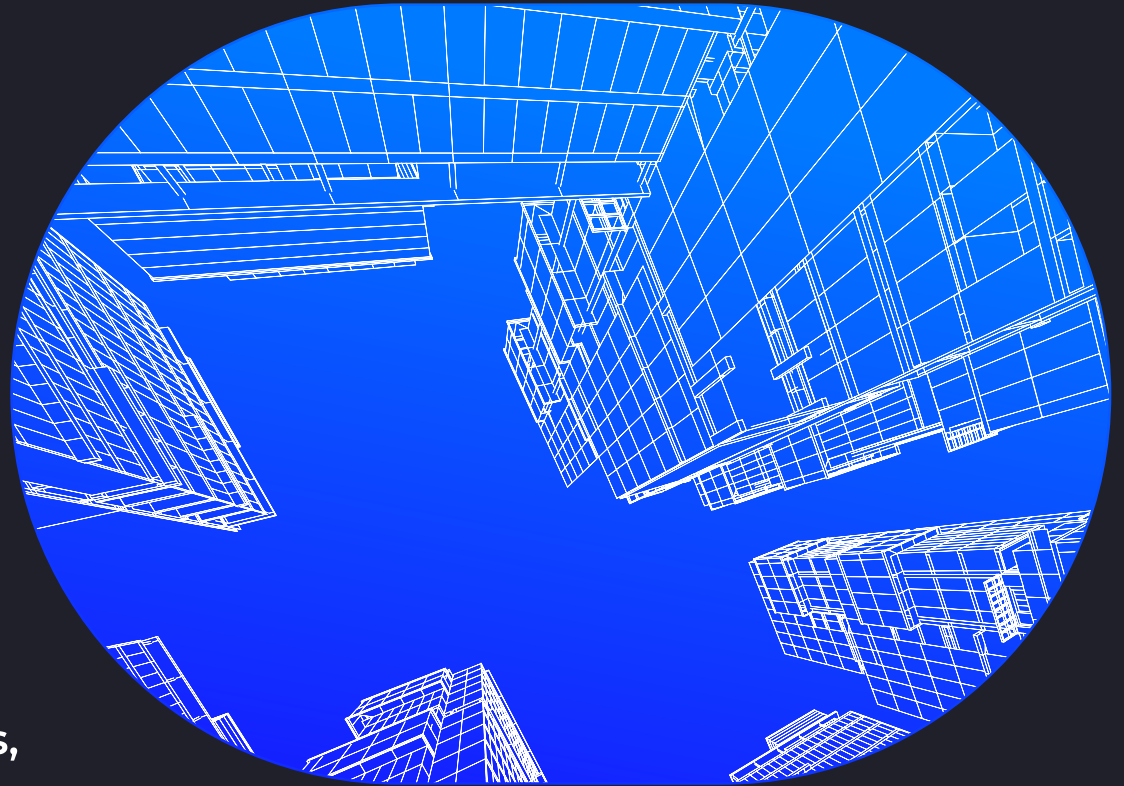# BIMRV
# SDK

Work with data from Autodesk® Revit® files, without dependencies on the native Revit application.

Visit product page

Sustaining level and higher

# FEATURES

Read Revit files from version 2015 thru 2024

Write support for the latest 2024 version

100% access to all data in the file

Auxiliary methods, processing, and calculations

Parameters in elements

Calculation of volume, area, perimeter, etc.

Mesh for B-Rep geometry

Visualize all elements with geometry

Create geometry for section and plane views

Use materials, visual styles, lights, overrides, etc.

Collect data and visualize schedules

Export to IFC 2x3 and IFC 4

Publish to 2D or 3D PDF

Export to .svg, .dwf, etc.

DirectShape and FreeFormElement creation

Family creation

# WHAT'S NEW

- 2024 file format support

- Hide/Unhide elements

- Multi-Crop regions on plane views

- Multi-Segment section on views

- Enable/Disable section box in 3D view

- Level grids in 3D view

- Perspective views

- Ceiling plans

- Recalculate a parameter value by formulas in Families and Schedules

- Visualization of Graphical column schedule

- Schedule creation

- Creation of Element groups

- Family creation

- Ability to create/edit/remove family parameters of any type

  - Edit Family method improved to restore nested families

  - Use Edit Family to create geometry for different FamilySymbols

## PLANS

- Hide/Unhide elements in a view
- Overrides for View
- Restore Family database
- Formulas by string creation
- LinearArray, RadialArray, Group creation

- Schedules creation
- 2025 file format support
- Rebar visualization
- Celling creation
- Wall join visualization