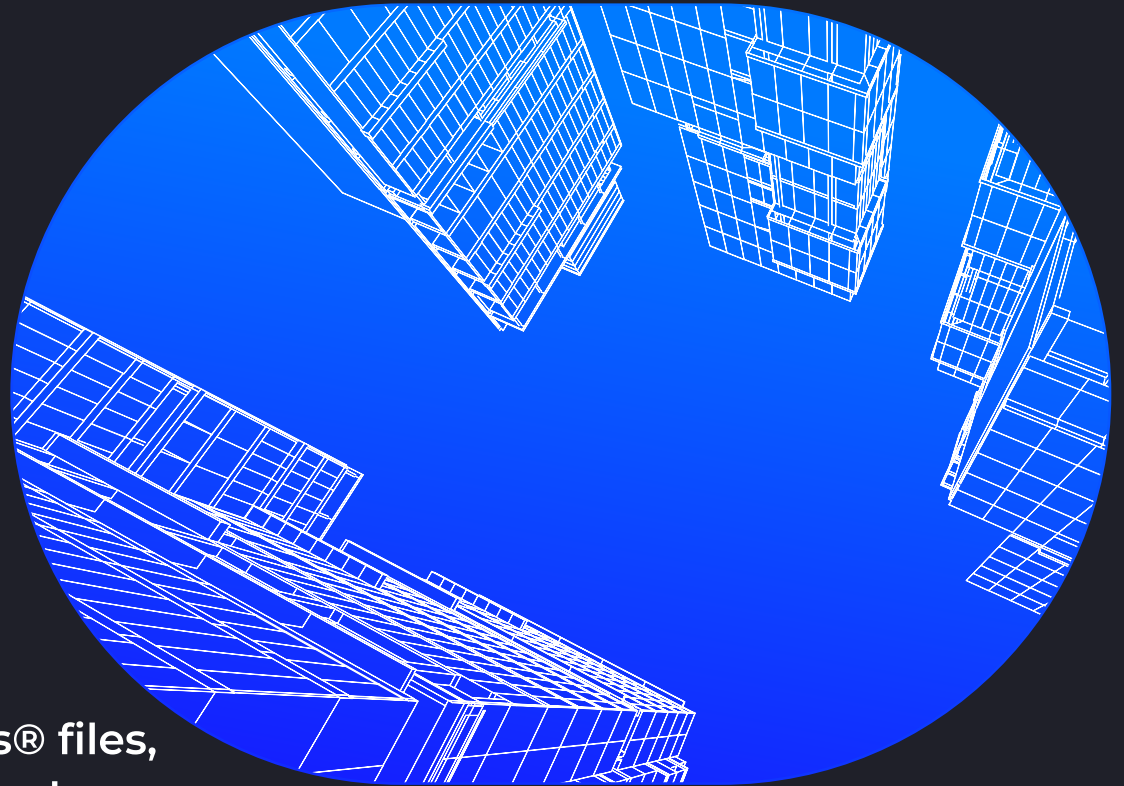


Extension

September 2023

BIMNV SDK

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



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[Sustaining level and higher](#)

FEATURES

Support for .nwd, .nwc and .nwf file formats

2D and 3D geometry

Access to data

- Timeliner
- Clash tests and results
- Selection sets
- Animation
- Saved views
- Redlines
- Property and Hyperlink overrides
- DBDatabasePropertyLink data
- Grid and Levels
- Speed, Headlight, Culling default settings

Object tree and properties


Partial and Multi-threaded data loading

.nwd file creation with support for object hierarchy, properties and geometry

Edit and append new models to an existing .nwd files



SDKs for engineering
software development

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WHAT'S NEW

- Save new files with multiple sheets
- Create .nwd files with external PointCloud geometry
- Insert-blocks for reusing model items
- PartitionProps, HyperlinkOverride, PropertyOverride streams
- Clip Planes
- Timeliner attributes for ModelItem attributes

- API to get Geo data
- Path Link support
- Password-protected .nwd files
- Improved lighting support
- Partial viewing and memory limitation feature
- Improved stream parsing procedure

PLANS

▣ API to create data

- SavedViews
- SelectionSet
- Grid-system, segments, lines
- Lights distance
- Animations

▣ Enhancements to .nwd import

- Lights
- SavedViews with Redlines
- ClipPlanes
- Animation

▣ CommonSchemas and NwfSceneSet stream creation for .nwf files

▣ ScenePropsChunk stream reading and writing for .nwf files