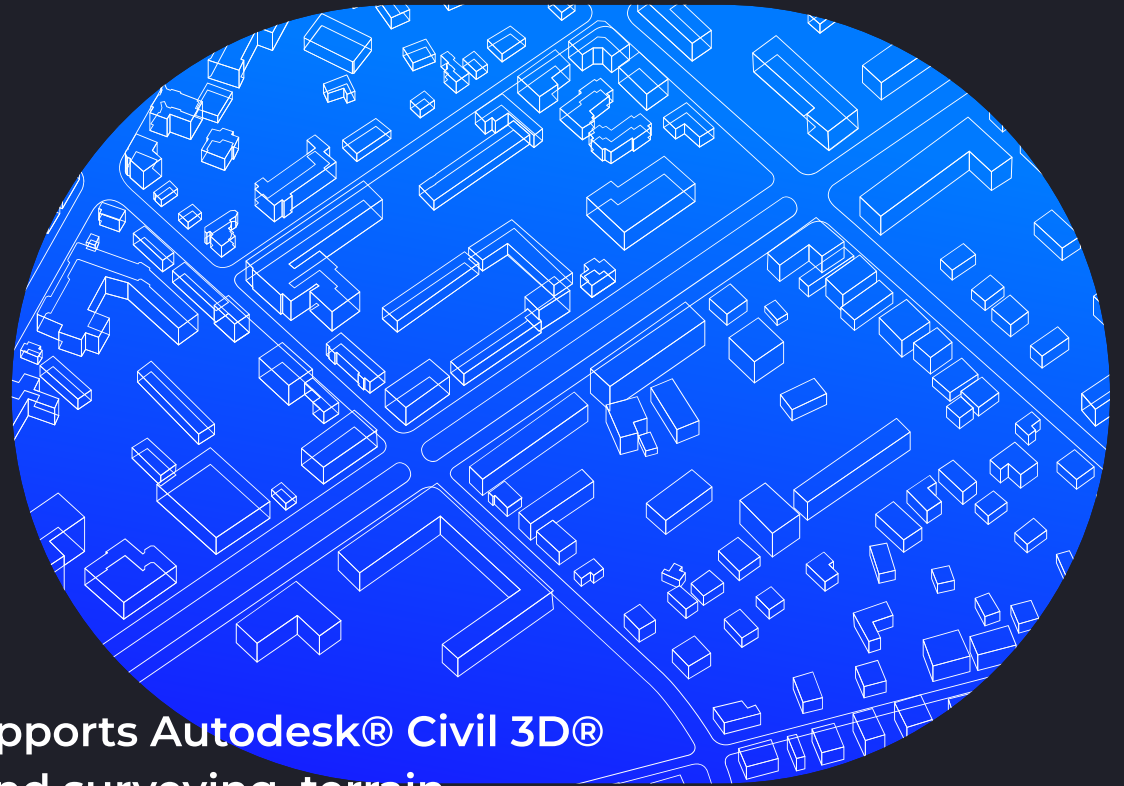# CIVIL
SDK

Vertical extension for Drawings SDK that supports Autodesk® Civil 3D® files and Civil objects for roadway design, land surveying, terrain modeling and analysis.

Visit product page

Sustaining level and higher

FEATURES

Read Autodesk® Civil 3D® files from version 2006 to the latest 2023

Access to data and visualization for all Autodesk® Civil 3D® objects

Editing with a powerful high-level API

Write support to the latest format version only

Creation for COGO points, TIN and GRID surfaces, alignments, profiles and profile views

COGO points, TIN and GRID surfaces

Alignments, profiles, gravity pipe networks

Pressure pipe networks and corridors

Smart Linking for Civil objects, project documents and specifications

Objects annotation

WHAT'S NEW

- Extraction of AutoCAD solids or bodies from Autodesk Civil 3D corridor model shapes and links
- Reduced memory consumption
- Implemented volumes(cut, fill and net) calculation for AECCDbGradingGroup
- Surfaces enhancements
- Performance optimization
- Topology accuracy
- Alignments enhancements
- Accuracy of complex transitions and station calculation
- Support for alignment entities

PLANS

- Bridges support
- Alignment engine enhancements
  - free spiral-curve-spiral constrained by radius and A values
  - Roadway entities enhancements