

COMPLETE INTEROPERABILITY

FOR CAD & BIM in WEBTM

SDKs for professional software development

About ODA



1200

Member companies worldwide

85%

Revenue to R&D

100%

Transparent pricing & free tech support

since

1998

Experienced development team

ODA PLATFORM

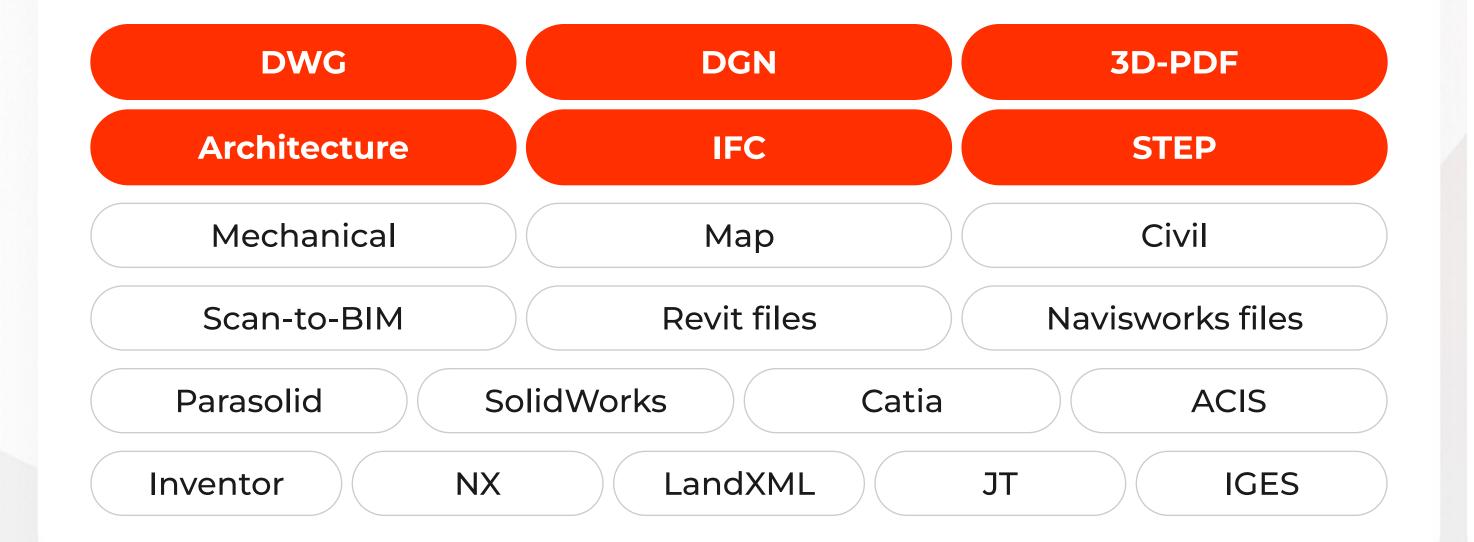
Formats & Technologies



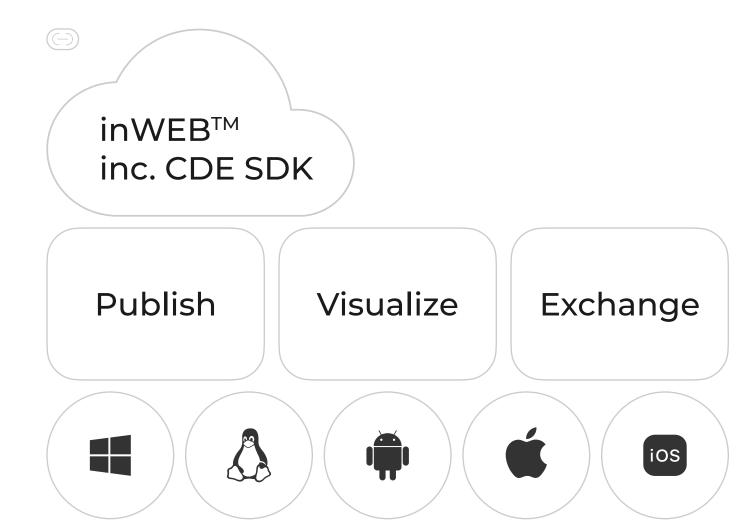
Visit Core Package page



FORMATS



TECHNOLOGIES



Retrospective roadmap



2021

(CORE)

Start ODA
Constraints
Engine
Development

(CORE)

New product **STEP** SDK

2022

EXTENSION

Start **Scan-to- Bim**Development

EXTENSION

New **LandXML** support

2023

EXTENSION

Start **MCAD** SDK Development 2024

CORE

Drawing inWeb™

2025

EXTENSION

MCAD SDK:

JT, SolidWorks

Format areas

2D CAD

BIM

3D CAD

2D CAD



Drawings

DWG, DGN, DXF, DGN, ReCap



Architecture SDK

Architecture DWG files



Map SDK

Autodesk® Map 3D

EXTENSION (2)

Mechanical SDK

Autodesk® Mechanical® files



Civil SDK

Autodesk® Civil 3D® files & LandXML



BIM



IFC SDK

Work with any version of IFC, developed in collaboration with bSI



BimRv SDK

Work with Revit® data without dependencies on the native Revit® application



Scan-to-BIM SDK

Convert point cloud data to 3D BIM models



BimNv SDK

Work with Autodesk® Navisworks® files from any application



3D CAD



Step SDK

Complete solution for professional STEP interoperability



MCAD SDK

JT, Solidworks, Inventor and more

EXTENSION 🗹

Mechanical SDK

Autodesk® Mechanical® files EXTENSION [2]

Partnerships





STEP





OpenBIM

IFC





cityGML

GIS



Technologies





inWEBTM



ODA Platform inWEB

Drawings in WEBTM

DWG editing in web

CDE SDK

Create a new common data environment or enrich existing one with formats and functionalities from ODA

All SDKs

available in web

Under development 🔆

Drawings in WebTM



Edit and view DWG files directly in the browser

Full control over data and security

Deployable in private or public clouds (Azure, AWS)

Supports 2D and 3D: zoom, pan, & orbit navigation

Based on a proven C++ engine compiled to WebAssembly

CDESDK



Common data environment

Visit CDE page 🖸

Visualize & Markup

Collaboration & Communication

Centralized Data Management

Data Integration & Interoperability

Version Control & Revision Management

Performance & Scalability

Secure Access & Permissions

Run on Azure aws

ODA CDESDK



Visit CDE page 🖸

PRIVATE CLOUD

Quick deployment in any environment including an isolated local network without connecting to third-part services.

Source Code access with Founding membership

CDE SDK includes



- Web server with REST API
- JavaScript library for rendering2D and 3D files in a browser
- Various auxiliary applications from the WebTools package for running various tasks on the backend

Visualize



Visit Visualize page



Rich import possibilities with access to native properties



Rich text rendering abilities



Optimized performance



Multi-threaded support



Progressive mesh object for LOD support

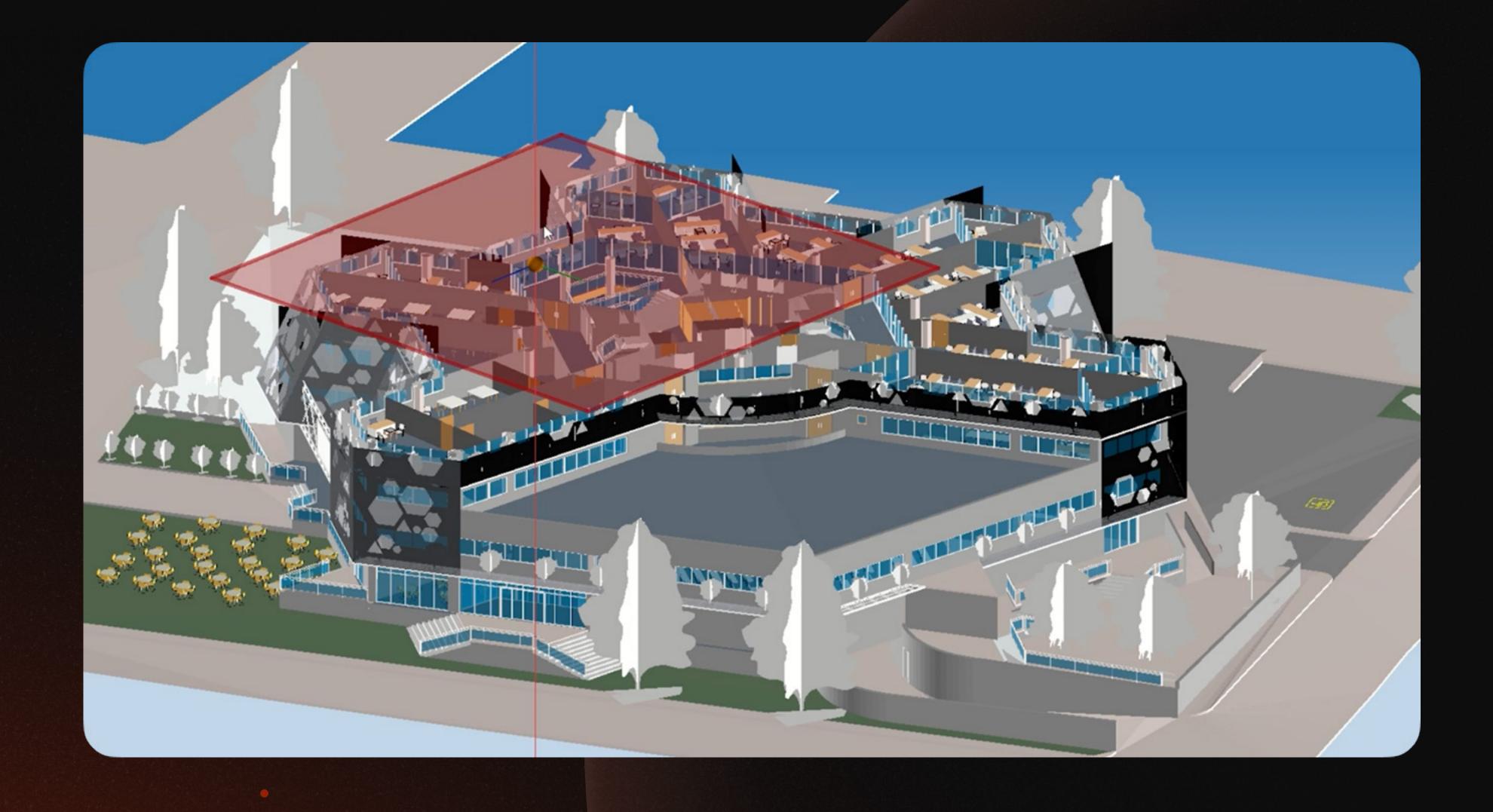


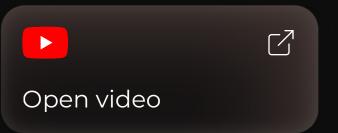
Advanced GPU effects like real-time shadows

Visualize



Visit Visualize page 🖸





Publish



Visit Publish page



Publishing from CDE



Complete PRC & Publish APIs



Complete 2D & 3D PDF export



Publishing from all supported formats



Extensive Configuration Options



100% compatible with ISO standards & Adobe® tools



Set of predefined controls for 3D publications

Exchange



Visit Exchange page 🖸

DWG

9

DXF

DXB

HOOPS

PDF

SVG

DWF

WMF

DAE

PDF PRC support

DGN

 \bigcirc

DWG

DAE

BMP

PDF PRC support

STEP

9

DWG

STL

OBJ

3D PDF

DAE

Q

DWF

DXF

RVT

RFA

DXF

G

DWG

PDF PRC support

IFC

 \bigcirc

OBJ

BMP

STL

DWF

 \bigcirc

DWG

DXF

U3D

 \bigcirc

PRC

XTR

 \bigcirc

IFC

RVT RFA

DAE

IFC

DWF

SVG

JSON

NWD

NWF NWC



IFC

ODA MEMBERSHIP

Collaboration & Honest Pricing

Core Package

Key CAD & BIM formats & functionalities for your desktop, mobile & inWEB applications EXTENSION

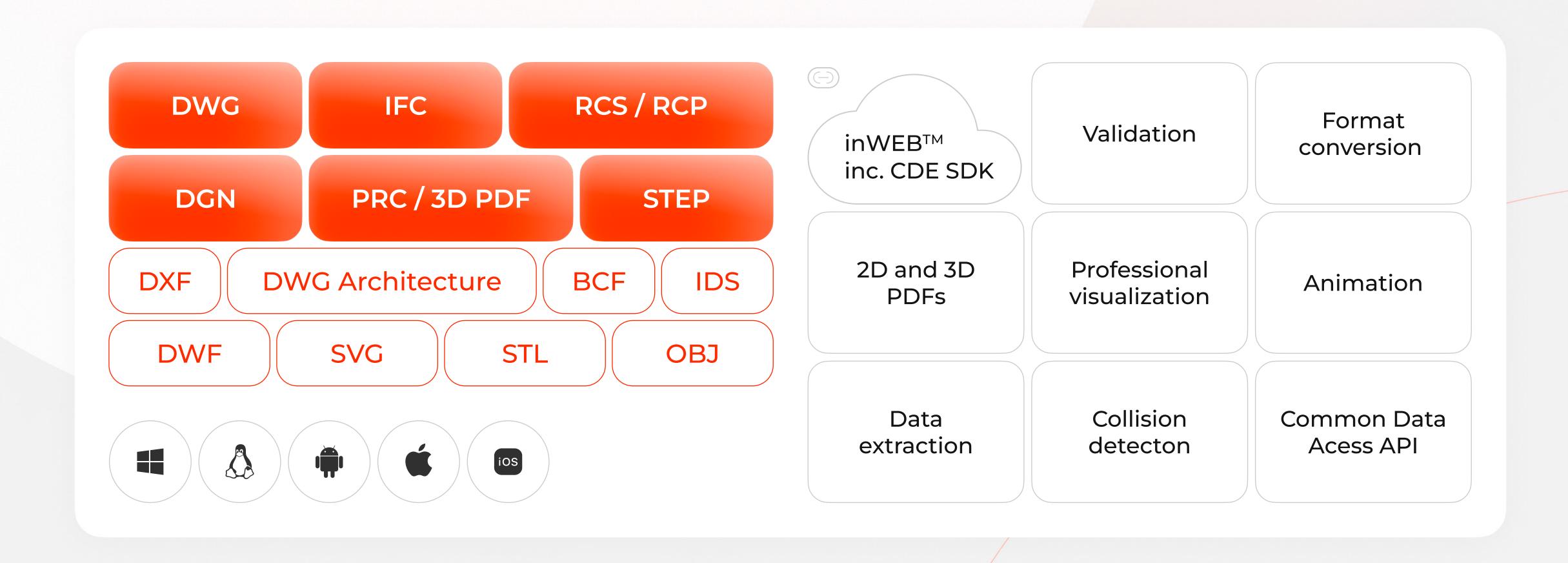
EXTENSION

EXTENSION

Core Package



Visit Core Package page



Extensions



Visit Extensions page

BimNv SDK

for Navisworks® files

BimRv SDK

for Revit® files

Civil SDK

Autodesk® Civil 3D® files & LandXM

Map SDK

Mechanical SDK

Scan-to-BIM

MCAD



THE ABILITY
TO CREATE A NEW
EXTENSION

SURVEY

STEEL

Under development



MCADSDK



ODA is developing the industry's first open exchange platform for 3D MCAD

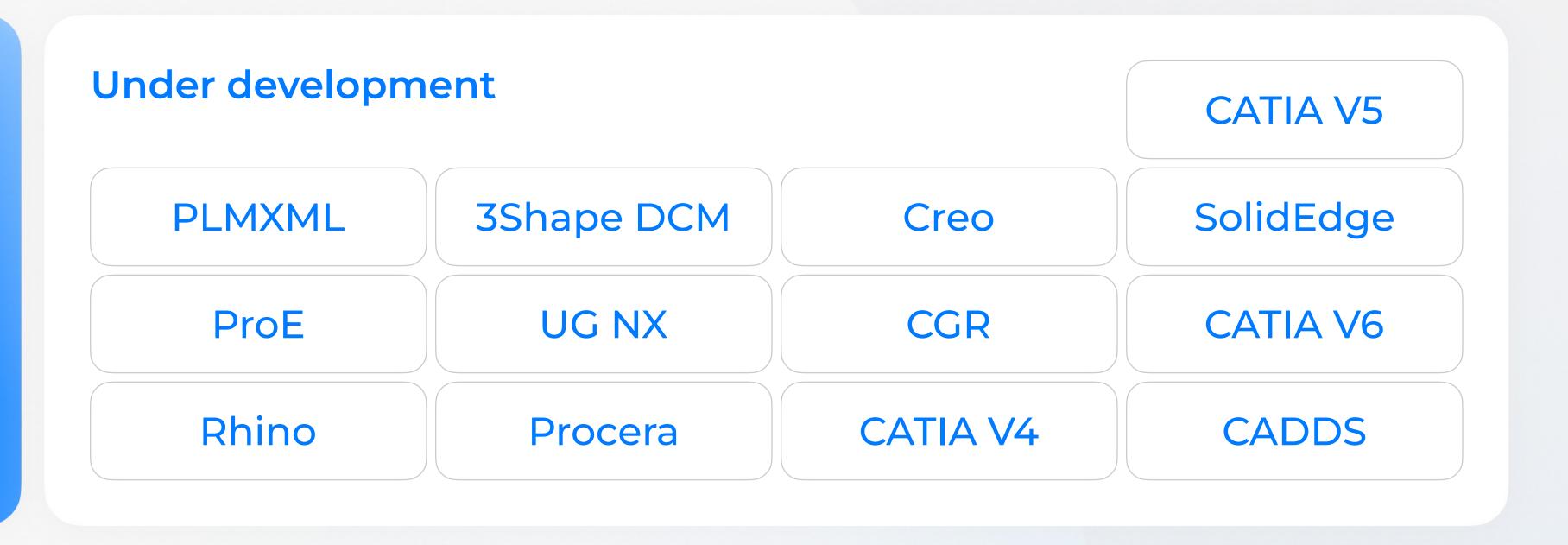
Visit MCAD page

Already done!

SolidWorks

JT

Inventor



PRICES & LEVELS

Prices



Visit Pricing page

Published pricing

no 1-on-1 negotiations

Site-based licensing

not per-user

Prices approved

by membercontrolled board of directors

Commercial



+ Limited commercial use

Visit Pricing page



CORE PACKAGE

\$3,000

First Year Cost

\$2,250

Recurring Annual Cost

- Commercial distribution w/100 seat limit
- + Libraries, headers and examples
- + Documentation
- + C++, .NET and Java versions
- + Monthly releases
- No affiliate or subsidiary usage

Sustaining



+ Unlimited use+ web





CORE PACKAGE

\$7,500

First Year Cost

\$4,500

Recurring Annual Cost

- + Unlimited commercial distribution
- Everything in Commercial
- Web and SaaS usage permitted
- No affiliate or subsidiary usage
- + Full customization options

Sustaining



Available extensions

Visit Pricing page

BimRv SDK

SDK for Autodesk® Revit® files

\$6,250

BimNv SDK

SDK for Autodesk® Navisworks® files

\$6,250

Civil SDK

SDK for Autodesk®
Civil 3D® files

\$10,000

Map SDK

SDK for Autodesk® Map 3D® files

\$10,000

Scan-to-BIM

ODA is developing the industry's first Scan-to-BIM SDK

\$20,000

Mechanical SDK

SDK for Autodesk® Mechanical® files

\$10,000

MCAD SDK

Converter for CATIA, Inventor, SolidEdge, Parasolid, Solid Works and more

\$30,000

Founding



Source code





CORE PACKAGE

\$37,500

First Year Cost

\$18,000

Recurring Annual Cost

- + Full source code for all products
- + Everything in Sustaining
- Direct access to ODA Git repositories
- Voting rights for ODA business decisions
- → Contact us for affiliate/subsidiary licensing

Founding



Available extensions

Visit Pricing page

BimRv SDK

SDK for Autodesk® Revit® files

\$12,500

BimNv SDK

SDK for Autodesk® Navisworks® files

\$12,500

Civil SDK

SDK for Autodesk®
Civil 3D® files

\$10,000

Map SDK

SDK for Autodesk® Map 3D® files

\$10,000

Scan-to-BIM

ODA is developing the industry's first Scan-to-BIM SDK

\$20,000

Mechanical SDK

SDK for Autodesk® Mechanical® files

\$10,000

MCAD SDK

Converter for CATIA, Inventor, SolidEdge, Parasolid, Solid Works and more

\$30,000



SELECT FORMATS

& functionalities

CALCULATE

Membership Plan



Founding Membership benefits



Visit Source code page 🖸

Full source code for all product

Direct accessto ODA Git repositories

Long-term security

Influence
In ODA priorities

BEYOND

ODA Consulting Services



Visit Consulting Services page

+

Dedicated training

+

Proof of concept

+

ODA-based Software development +

Other tasks

Available to Sustaining and higher

\$150 400 max.

Per hour Consulting hours per member / per year

→ Work to be directed by member company

ODA Viewers



Open IFC Viewer



Innovative IFC viewer

First to support new IFC versions & experimental IFC features from bSI

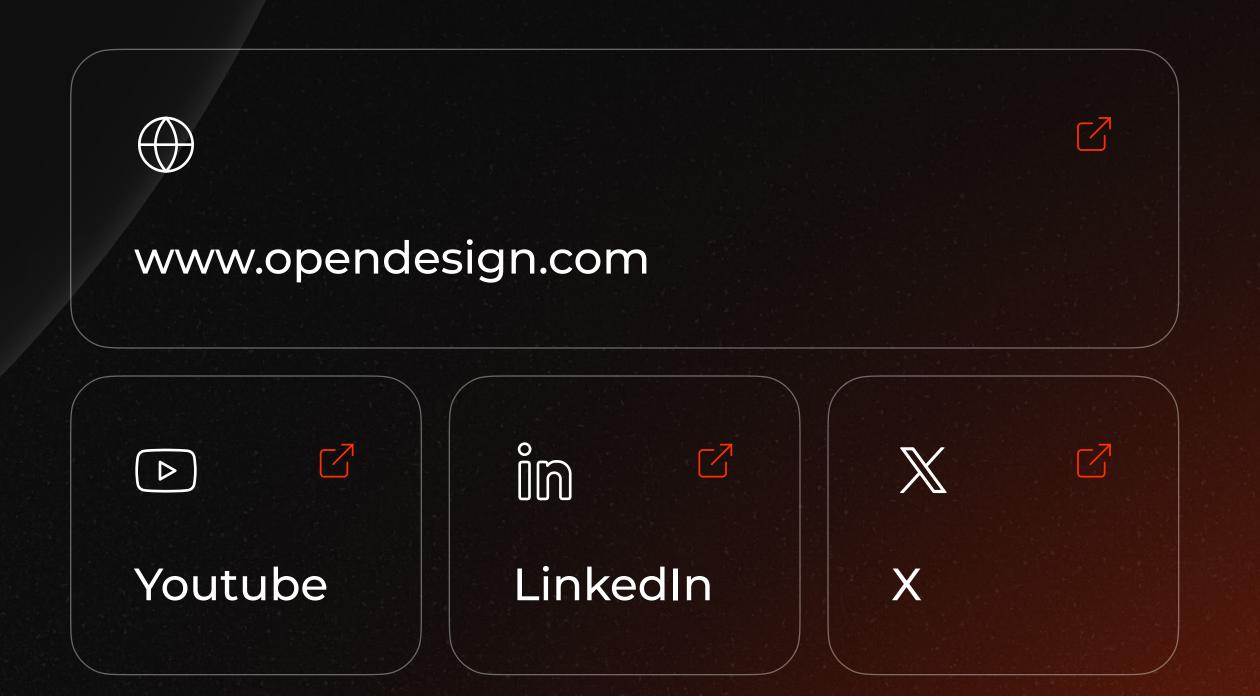
Open STEP Viewer



Professional-grade STEP viewer



Follow US!





Thank you! Questions?



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