



COMPLETE INTEROPERABILITY FOR CAD & BIM inWEB™

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

DWG | DGN | 3D-PDF | Architecture | IFC | STEP

- Mechanical
- Map
- Civil
- Scan-to-BIM
- Revit files
- Navisworks files
- SolidWorks
- Catia
- ACIS
- Parasolid
- Inventor
- NX
- LandXML
- JT
- IGES

TECHNOLOGIES



Visualize

Publish

Exchange

RETROSPECTIVE ROADMAP

2018

EXTENSION

New product
BimNv SDK
for Navisworks files

CORE

Start ODA **Solid
Modeler**
Development

2019

CORE

New product
IFC SDK

CORE

New **RCS
point cloud
engine**

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

FORMAT AREAS

2D CAD

BIM

3D CAD

2D CAD



CORE

DRAWINGS

DWG, DGN, DXF,
DGN, ReCap



CORE

ARCHITECTURE SDK

Architecture
DWG files



EXTENSION

MAP SDK

Autodesk®
Map 3D



EXTENSION

MECHANICAL SDK

Autodesk®
Mechanical® files



EXTENSION

CIVIL SDK

Autodesk® Civil 3D® files
& LandXML

BIM



CORE

IFC SDK

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



EXTENSION

BimRv SDK

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



EXTENSION

Scan-to-BIM SDK

Convert point cloud data to 3D BIM models

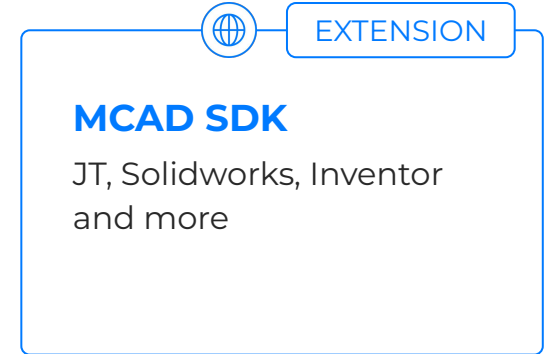
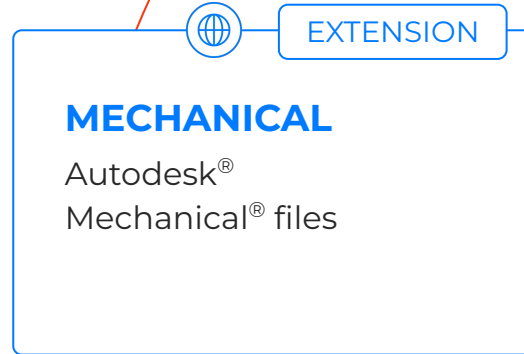
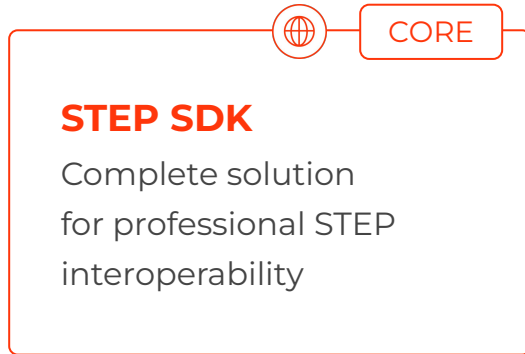


EXTENSION

BimNv SDK

Work with Autodesk® Navisworks® files from any application

3D CAD



PARTNERSHIPS



STEP



OpenBIM

IFC



cityGML

GIS





TECHNOLOGIES

CDE

VISUALIZE

PUBLISH

EXCHANGE

ODA Platform inWEB

CDE SDK

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

DRAWINGS inWEB

DWG editing
in web

Beta



All SDKs

available in web

Under development



CDE SDK

[Visit CDE page](#)



- Visualize & Markup

- Centralized Data Management

- Version Control & Revision Management

- Secure Access and Permissions

- Collaboration & Communication

- Data Integration & Interoperability

- Performance and Scalability

- Run on  Azure  aws



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 rendering 2D 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

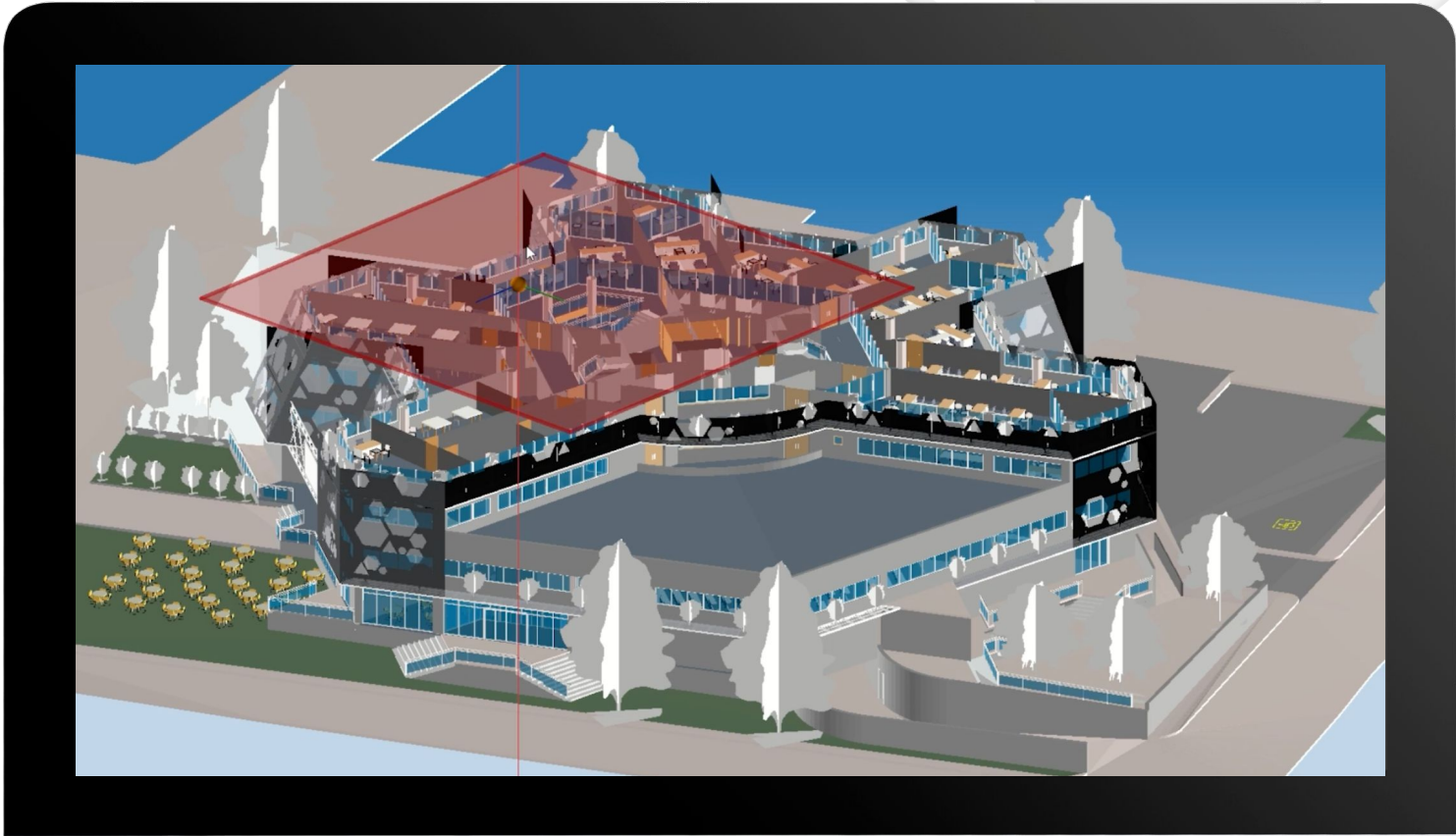
- Progressive mesh object for LOD support

- Advanced GPU effects like real-time shadows



VISUALIZE

[Visit Visualize page](#) 



PUBLISH



[Visit Publish page](#)



- Publishing from CDE

- Complete PRC & Publish APIs

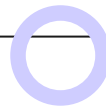
- Complete 2D and 3D PDF export

- Publishing from all supported formats

- Extensive Configuration Options

- 100% compatible with ISO standards and Adobe® tools

- Set of predefined controls for 3D publications



EXCHANGE

[Visit Exchange page](#) 

DWG  DXF DXB HOOPS PDF SVG DWF
WMF DAE PDF (PRC support)

DGN  DWG DAE BMP PDF (PRC support)

STEP  DWG STL OBJ 3D PDF

DAE  DWF DXF RVT RFA

DXF  DWG PDF (PRC support)


IFC  OBJ BMP STL

DWF  DWG DXF

U3D  PRC

XTR  IFC

RVT RFA  DAE IFC DWG
SVG JSON

NWD NWF NWC  IFC





ODA MEMBERSHIP

Collaboration & Honest Pricing



CORE PACKAGE

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



EXTENSION

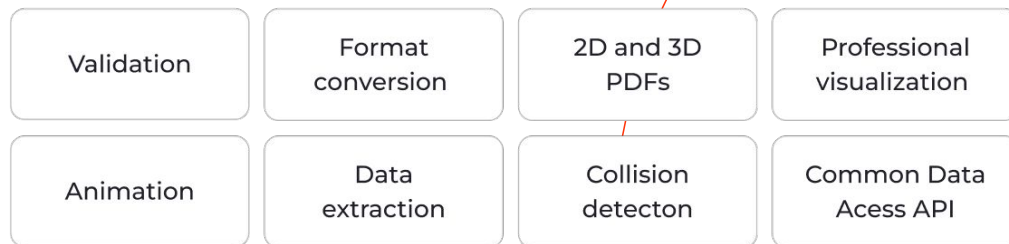
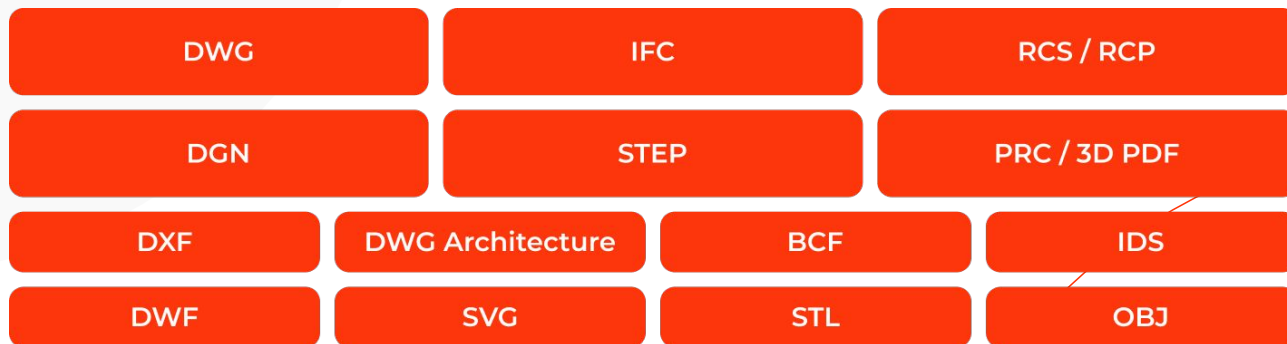
EXTENSION

EXTENSION



CORE PACKAGE

[Visit Core Package page](#) 



EXTENSIONS

[Visit Extensions page](#) 

BimNv
for Navisworks files

BimRv
for Revit files

MAP

MECHANICAL

SCAN-TO-BIM


CIVIL
Autodesk® Civil 3D® files
& LandXML

MCAD



**THE ABILITY
TO CREATE A NEW
EXTENSION**

SURVEY **STEEL**

Under development 

MCAD SDK

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

NEW



[Visit MCAD page](#)



Under development





PRICES & LEVELS

PRICES



[Visit Pricing page](#)



Published pricing

no 1-on-1 negotiations

Site-based licensing

not per-user

Prices approved

by member-controlled board of directors



Commercial

Limited commercial use



**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

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



Available extensions

Sustaining



BimRv SDK

\$6,250

SDK for Autodesk®
Revit® files

Civil SDK

\$10,000

SDK for Autodesk®
Civil 3D® files

BimNv SDK

\$6,250

SDK for Autodesk®
Navisworks® files

Map SDK

\$10,000

SDK for Autodesk®
Map 3D® files

Scan-to-BIM

\$20,000

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

Mechanical SDK

\$10,000

SDK for Autodesk®
Mechanical® files

MCAD SDK

\$30,000

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



Founding

+ Source code



**CORE
PACKAGE**

\$ 37,500 First Year Cost

\$ 18,000 Recurring Annual Cost

Everything in Sustaining

- ✓ Full source code for all products
- ✓ Direct access to ODA Git repositories
- ✓ Voting rights for ODA business decisions
- ✓ Contact us for affiliate/subsidiary licensing





Available extensions

Founding



BimRv SDK

\$12,500

SDK for Autodesk®
Revit® files

Civil SDK

\$10,000

SDK for Autodesk®
Civil 3D® files

BimNv SDK

\$12,500

SDK for Autodesk®
Navisworks® files

Map SDK

\$10,000

SDK for Autodesk®
Map 3D® files

Scan-to-BIM

\$20,000

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

Mechanical SDK

\$10,000

SDK for Autodesk®
Mechanical® files

MCAD SDK

\$30,000

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

SELECT FORMATS
and functionalities

CALCULATE

Membership
Plan



FOUNDING MEMBERSHIP BENEFITS

[Source code page](#)



**Full source code
for all products**



**Direct access
to ODA Git
repositories**



**Long-term
security**



**Influence
In ODA
priorities**





BEYOND

ODA CONSULTING SERVICES

Consulting Services page



Dedicated
training

Proof
of concept

ODA-based
Software
development

Other tasks

**Available to Sustaining
and higher**

\$ 150 Per hour

**400
max.** 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
and experimental IFC features from bSI

Open STEP Viewer

Professional-grade STEP viewer



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THANK YOU!



Neil Peterson

President



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LinkedIn

