



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

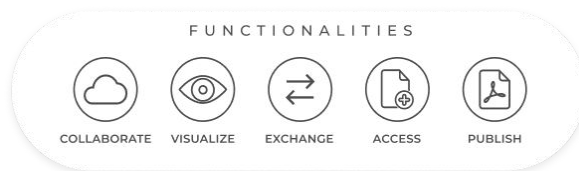
Experienced
development
team



The background features several abstract geometric elements: a red circular arc in the top-left corner, a large blue circular arc on the left side, a large red circular arc on the right side, a solid green circle in the upper right, and a small purple circle in the lower right.

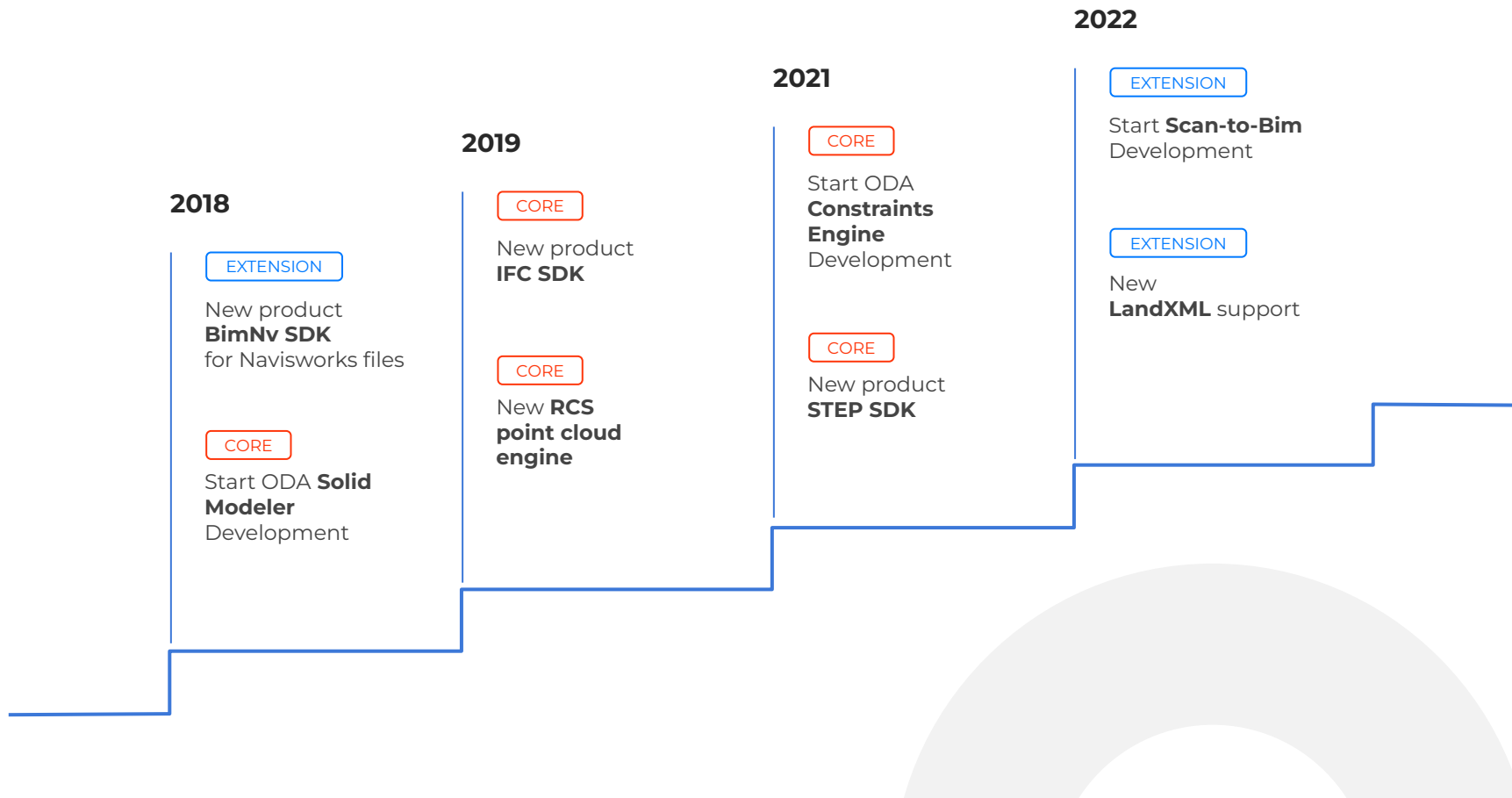
ODA PLATFORM

ODA PLATFORM



 [Click and discover](#)

RETROSPECTIVE ROADMAP



ODA PRODUCTS: CAD

CORE

DRAWINGS

DWG, DGN, DXF, DGN, ReCap



EXTENSION

MAP

Autodesk®
Map 3D



CORE

ARCHITECTURE

Architecture
DWG files



CORE

STEP

Complete interoperability
for STEP in any application



EXTENSION

MECHANICAL

Autodesk®
Mechanical® files



EXTENSION

CIVIL

Autodesk® Civil 3D® files &
LandXML



EXTENSION

MCAD

Exchange platform
for 3D MCAD



ODA PRODUCTS: BIM



CORE

IFC

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



EXTENSION

Scan-to-BIM

Convert point cloud data to 3D
BIM models



EXTENSION

BimRv

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

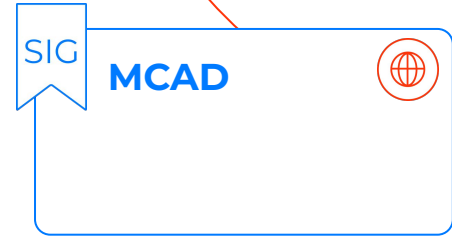


EXTENSION

BimNv

Work with Autodesk®
Navisworks® files from any
application

ODA PRODUCTS: MECHANICAL



PARTNERSHIPS



OpenBIM

IFC

ODA works in close partnership with buildingSMART International to support faster development and adoption of IFC and other openBIM standards.



cityGML

GIS

ODA and OGC work together to promote and strengthen the use of open standards for the location and geospatial industries.



STEP

ODA is a participant in PDES, Inc., and is working closely with PDES to refine and enhance the STEP standard for 3D CAD data exchange.

FUNCTIONALITIES



inWEB



VISUALIZE



PUBLISH



EXCHANGE

ODA CDE SDK



Visit CDE SDK 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 

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](#)

Visualization of different kinds of data

Rich text rendering abilities

PDF export and publishing

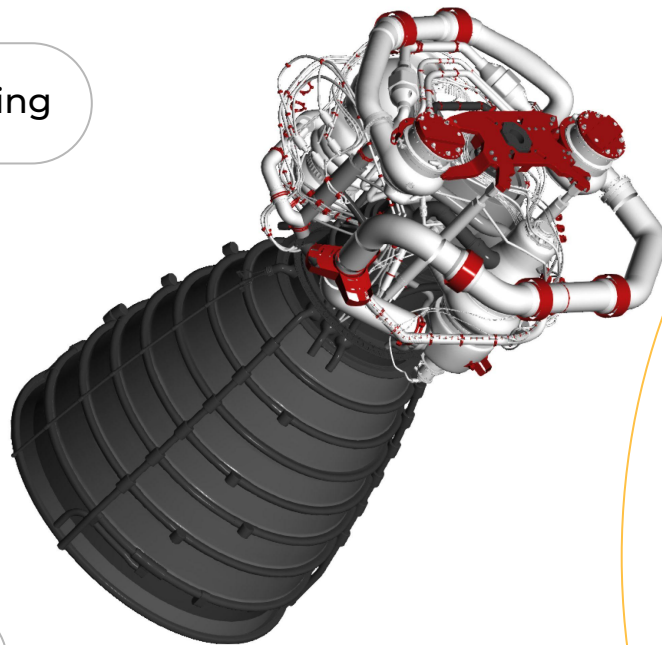
Optimized performance

Multi-threaded support

Progressive mesh object for LOD support

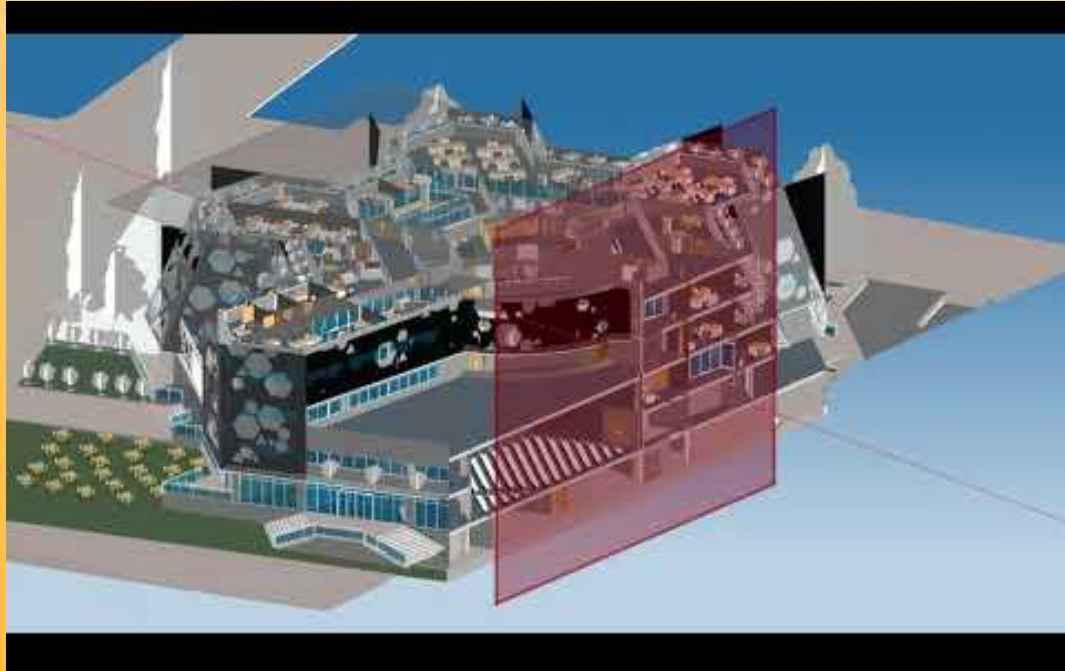
Advanced GPU effects like real-time shadows

Rich import possibilities with access to native properties



VISUALIZE

 [Visit Visualize page](#)



PUBLISH



[Visit Publish page](#)

Publishing from OpenCloud

Complete PRC API

Publishing from all supported formats

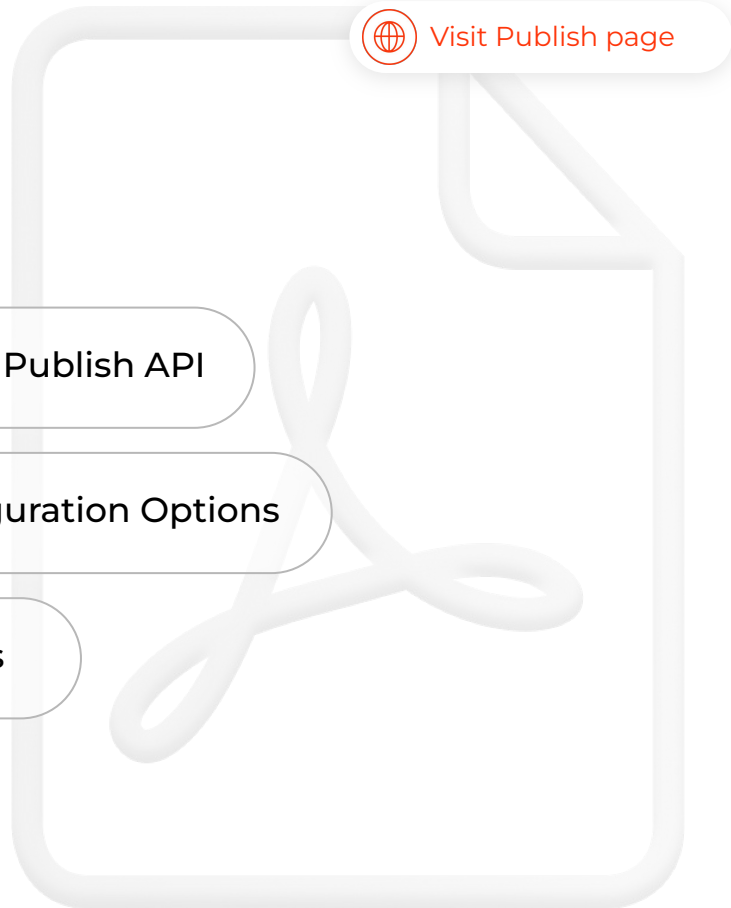
Complete Publish API

Complete 2D and 3D PDF export

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)

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

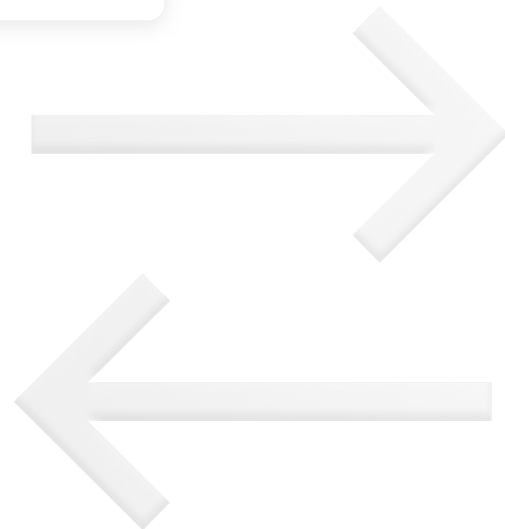
SVG

JSON

**NWD
NWF
NWC**



IFC





ODA MEMBERSHIP

Collaboration & Honest Pricing

RELIABLE & INNOVATIVE DEVELOPMENT



**Long Term
Support**



**Monthly
releases**



**New
features**



**Bug
fixes**

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





CORE PACKAGE

Benefits

**Bundle of essential ODA
Products and functionalities**
for a quick start
to your development

**Regularly adding value
for the same price:** new
features, products and LTS

CORE PACKAGE



DWG

DGN

3D-PDF

Architecture

IFC

STEP

FUNCTIONALITIES



COLLABORATE



VISUALIZE



EXCHANGE



ACCESS



PUBLISH

EXTENSIONS



Visit the web-page



THE ABILITY
TO CREATE A NEW
EXTENSION

BimNv

for Navisworks files

SCAN-TO-BIM

BimRv

for Revit files

CIVIL

Autodesk®Civil 3D® files & LandXML

MAP

MCAD

MECHANICAL

MCAD SDK

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

 [Visit the web-page](#)



EXTENSION

NEW

MEMBERSHIP LEVELS

 [Visit Pricing page](#)

Commercial

Limited commercial use

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

Core SDK's package includes:

ODA Products:

Drawings, Architecture, IFC, STEP SDKs

ODA Functionalities:

Access, Visualize, Publish, Exchange

\$ 3,000 First Year Cost

\$ 2,250 Recurring Annual Cost

MEMBERSHIP LEVELS

 [Visit Pricing page](#)

SUSTAINING

Unlimited use+ web

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

Core SDK's package includes:

ODA Products:

Drawings, Architecture, IFC, STEP SDKs

ODA Functionalities:

Access, Visualize, Publish, Exchange, Collaborate

\$ 7,500 First Year Cost

\$ 4,500 Recurring Annual Cost

MEMBERSHIP LEVELS

Available extensions

 [Visit Pricing page](#)

SUSTAINING

\$ 7,500

First Year Cost

\$ 4,500

Recurring Annual Cost



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

\$25,000

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

Mechanical SDK

\$10,000

SDK for Autodesk®
Mechanical® files

MEMBERSHIP LEVELS



[Visit Pricing page](#)

FOUNDING

+ Source code

- ✓ Everything in **Sustaining**
- ✓ Full source code for all products
- ✓ Direct access to ODA Git repositories
- ✓ Eligible for seat on ODA board
- ✓ Voting rights for ODA business decisions
- ✓ Business continuation rights
- ✓ Contact us for affiliate/subsidiary licensing

Core SDK's package includes:

ODA Products:

Drawings, Architecture, IFC, STEP SDKs

ODA Functionalities:

Access, Visualize, Publish, Exchange, Collaborate

\$ 37,500 First Year Cost

\$ 18,000 Recurring Annual Cost

MEMBERSHIP LEVELS

Available extensions



[Visit Pricing page](#)

FOUNDING

\$ 37,500

First Year Cost

\$ 18,000

Recurring Annual Cost



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

\$25,000

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

Mechanical SDK

\$10,000

SDK for Autodesk®
Mechanical® files

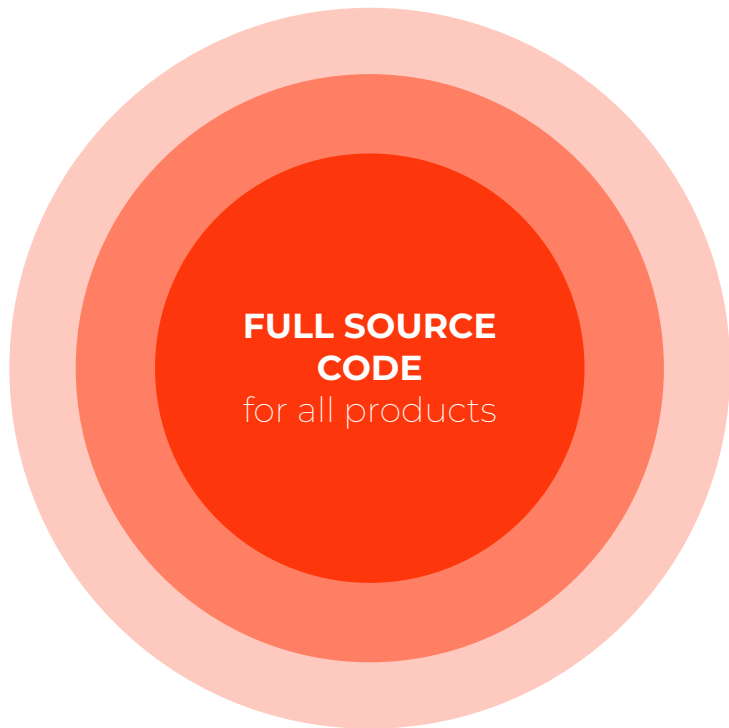
MEMBERSHIP PLAN CALCULATOR

We will suggest the appropriate membership level and extensions based on your choices

SELECT FORMATS
and functionalities

CALCULATE
Membership
Plan 

FOUNDING MEMBERSHIP BENEFITS



**FULL SOURCE
CODE**

for all products

Access to the newest features and fixes directly from the ODA GIT repository

Hedge the risks by maintaining your own private copy of all ODA source code

Build archives for custom platforms (ones not provided by ODA)



FOUNDING MEMBERSHIP BENEFITS

Long-term Security

with full access to ODA Source Code and business continuation rights.

Influence in ODA

priorities and directions, with the ability to nominate and elect Directors to the ODA Board, and voting rights for business decisions.

Priority Access to the ODA

Development and Management Teams, for strategic consultation, architectural review and planning (including in-person meetings).

ODA CONSULTING SERVICES



[Learn more](#)

Dedicated training

**Application design
and problem solving**

**Development
of applications
that incorporate
ODA software**

**Other tasks related
to the integration of ODA
software into member
applications**

**Available to Sustaining
and higher ODA members**

- ✓ Cost: \$ 150 / hour
- ✓ Work to be directed by member company
- ✓ ODA will provide a guaranteed number of hours during a specified time period
- ✓ Maximum of 400 consulting hours per member per year
- ✓ Subject to availability of ODA resources

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youtube.com/OpenDesignAlliance



linkedin.com/company/open-design-alliance/

THANK YOU!



Irina Rudeva

Business Development
Manager



Schedule call



irina.rudeva@opendesign.com



IrinaRudeva



+52 222 107 43 25

THANK YOU!



Neil Peterson

President



npeterson@opendesign.com



NeilPeterson



+1 321-301-5744