OpenDesign alliance

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
Parasolid	SolidWorks	Catia	ACIS
Inventor	NX	LandXML	JT	IGES

TECHNOLOGIES

inWEB™
inc. CDE SDK

Publish | Visualize | Exchange

iOS

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

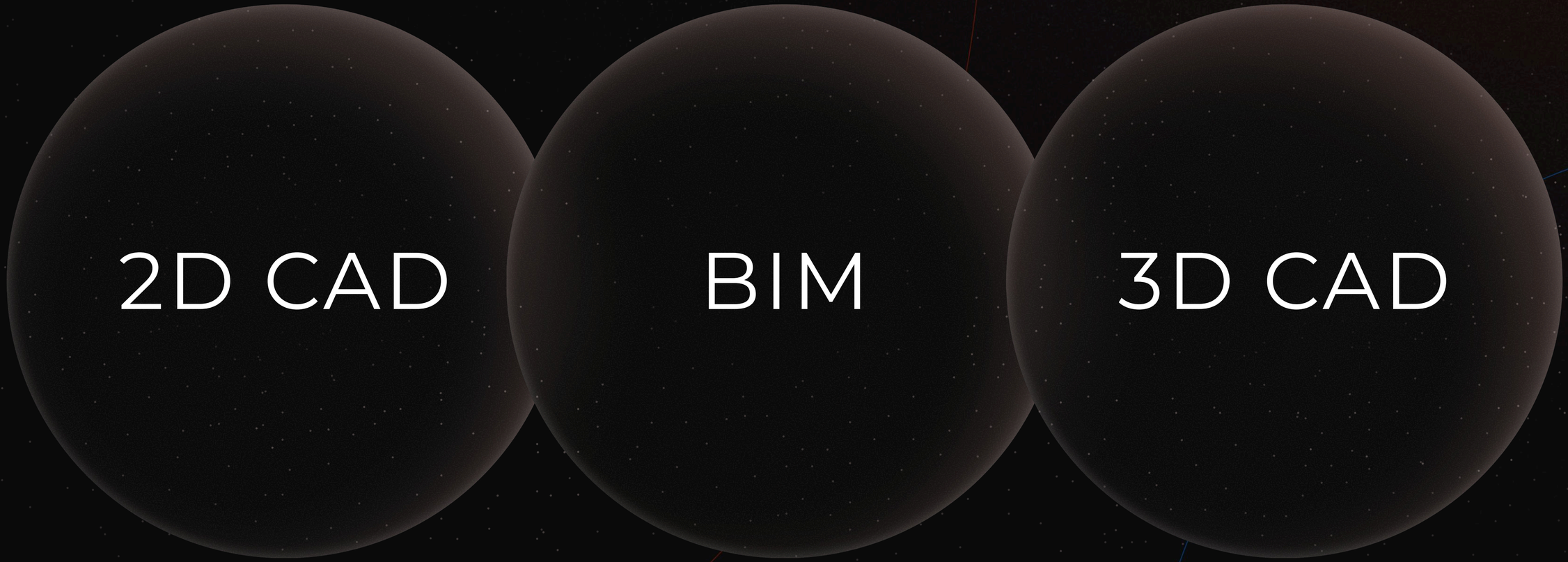
Drawing inWeb™

2025

EXTENSION

MCAD SDK**:** JT, SolidWorks

Format areas



2D CAD

Drawings

CORE

DWG, DGN, DXF,
DGN, ReCap

Architecture SDK

CORE

Architecture
DWG files

Map SDK

EXTENSION

Autodesk®
Map 3D

Mechanical SDK

EXTENSION

Autodesk®
Mechanical® files

Civil SDK

EXTENSION

Autodesk®Civil 3D® files
& LandXML

BIM

IFC SDK

CORE

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

BimRv SDK

EXTENSION

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

Scan-to-BIM SDK

EXTENSION

Convert point cloud data to 3D BIM models

BimNv SDK

EXTENSION

Work with Autodesk® Navisworks® files from any application

3D CAD

Step SDK

CORE

Complete solution
for professional STEP
interoperability

MCAD SDK

EXTENSION

JT, Solidworks, Inventor
and more

Mechanical SDK

EXTENSION

Autodesk®
Mechanical® files

Partnerships

PDES, Inc.®
Connecting the Digital Enterprise

STEP

buildingSMART International

OpenBIM

IFC

OGC®
Making location count.

cityGML

GIS

Technologies

CDE

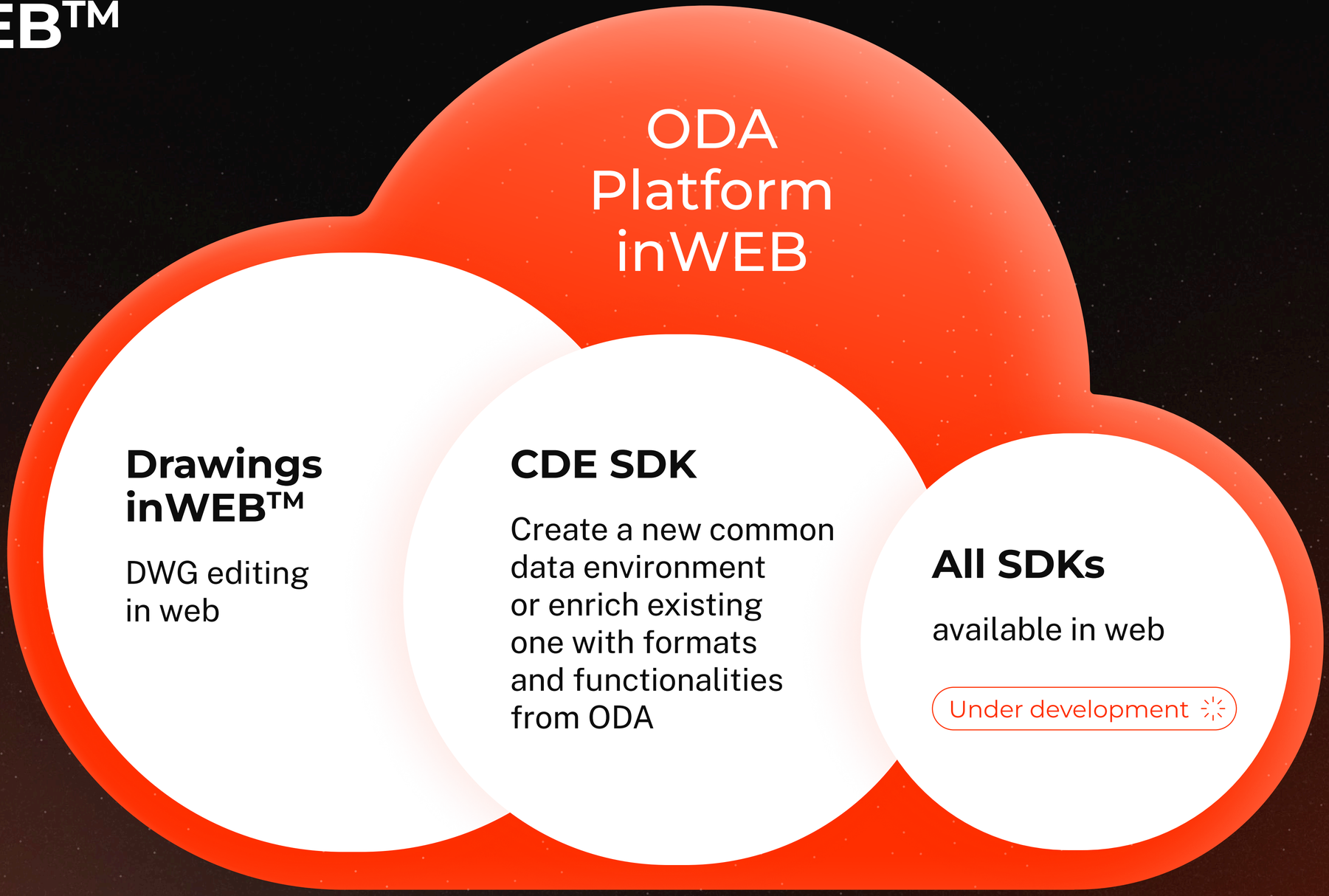
VISUALIZE

PUBLISH

EXCHANGE

Drawing inWeb™

inWEB™


ODA
Platform
inWEB
Drawings
inWEB™
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 inWeb™

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

CDE SDK

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 CDE SDK

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 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

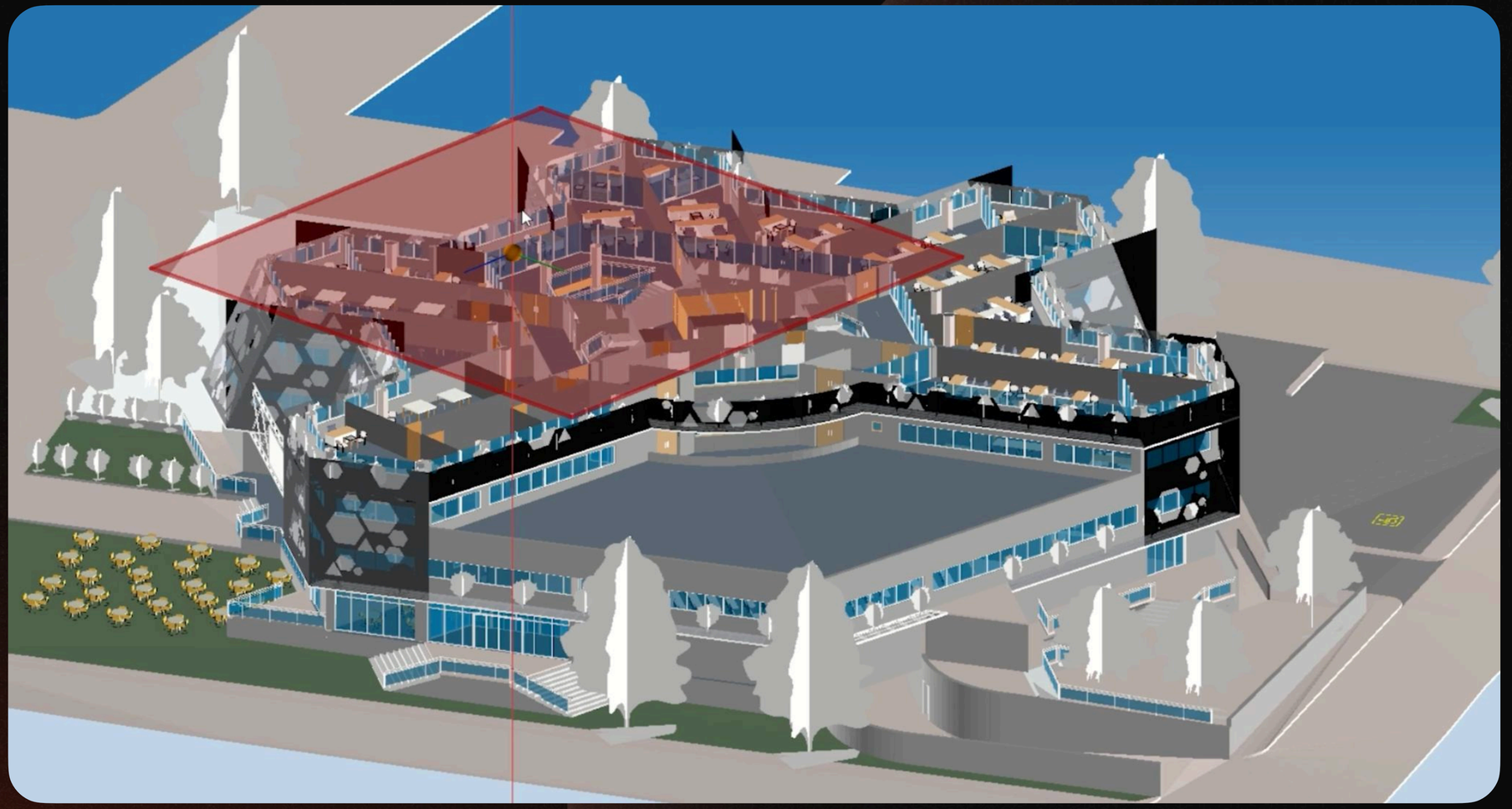
Multi-threaded support

Progressive mesh object for LOD support

Advanced GPU effects like real-time shadows

Visualize

Visit Visualize page



Open video

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
- 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
- DWF
- SVG
- JSON

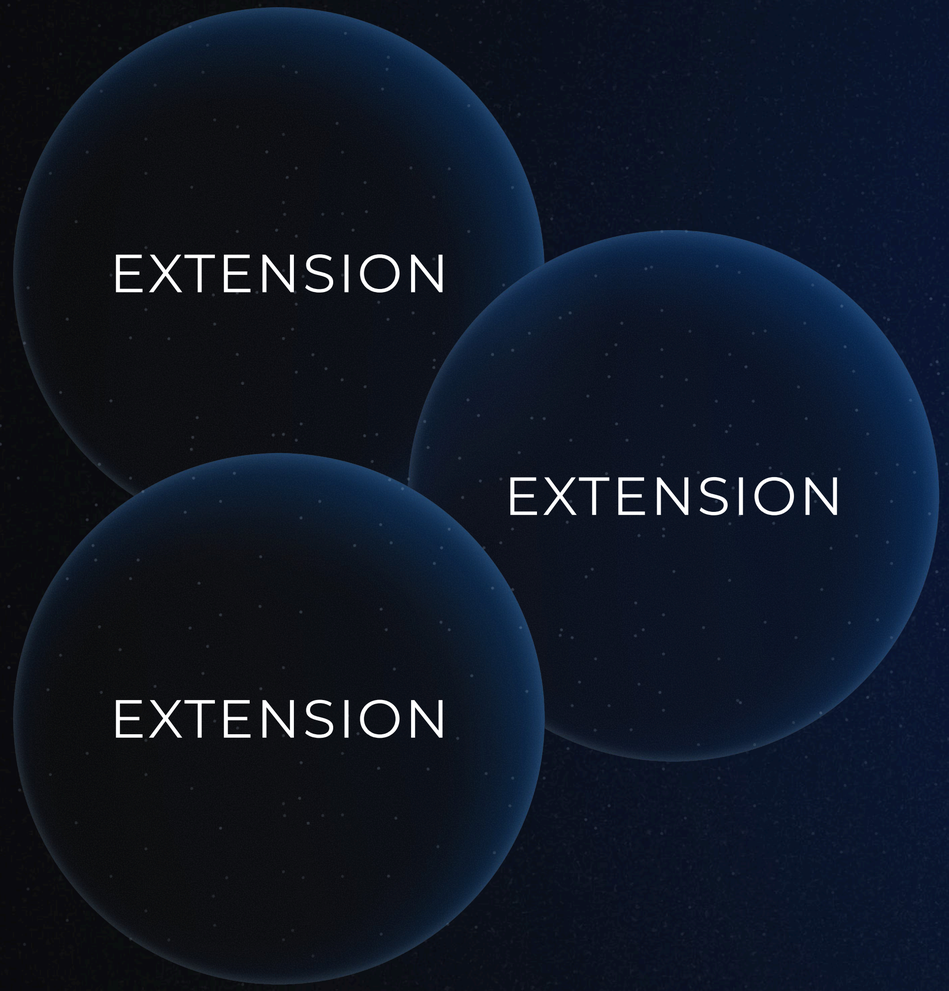
NWD
NWF
NWC
- IFC

ODA MEMBERSHIP

Collaboration & Honest Pricing

Core Package

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



Core Package

Visit Core Package page

DWG | IFC | RCS / RCP

DGN | PRC / 3D PDF | STEP

DXF | DWG Architecture | BCF | IDS

DWF | SVG | STL | OBJ

inWEB™
inc. CDE SDK

Validation

Format conversion

2D and 3D PDFs

Professional visualization

Animation

Data extraction

Collision detecton

Common Data Acess API

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

MCAD SDK

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

Visit MCAD page

Already done!

- SolidWorks
- JT
- Inventor

Under development

- CATIA V5
- PLMXML
- 3Shape DCM
- Creo
- SolidEdge
- ProE
- UG NX
- CGR
- CATIA V6
- Rhino
- Procera
- CATIA V4
- CADDS

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

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

Visit Pricing page

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

Visit Pricing page

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 access
to 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
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 & experimental IFC features from bSI

Open STEP Viewer

Professional-grade STEP viewer

OpenDesign alliance

Follow us!

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Youtube

LinkedIn

X

OpenDesign alliance

Thank you!

Questions?

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