datakit

UNDERSTAND & MEET

data exchange
needs of
your clients

2024

Data recovery saves time by eliminating the need to rework 2D plans or reconstruct 3D models, taking into account all data and eliminating any risk of error.

Datakit solutions meet the needs of data transfer, exchange, collaborative working and archiving in a general context of regular updates of most available CAD software worldwide.

These solutions complement the converters embedded in CAD packages, with a wide range of possible input and output combinations for neutral and native formats.

Converters are yet not only exclusively dedicated to CAD-to-CAD exchanges, but are also provided to the manufacturing office to machine the part, or to measure and check out the finished one. In addition, it can be used for crash-testing or for realistic rendering, visualisation, simulation, quotations, etc.
Furthermore, the retrieved data can be connected to the Enterprise Resource Planning and generally speaking to the PLM software.

Historically defined for companies that design and manufacture parts or equipments in the mechanical, automotive and aeronautical sectors, where the accuracy of design data is compulsory, they are now widely used by designers and in building-related activities.

DATA IMPORT

DATA EXCHANGE

30 YEAR EXPERIENCE

datakit

EXPERT IN 2D & 3D INTEROPÉRABILITY

COLLABORATIVE WORKING

EXPORT & DATA ARCHIVING

Datakit solutions

PER FORMAT   OR   **BUNDLES**

Converters can be purchased as single units or in bundles.

Bundles includes convertors most commonly used in a number of sectors of activity or for particular types of operation, according to the data required for the related application

☑ Mechanical, sheetmetal, automotive, aeronautics, energy, BIM
☑ Design, machining, measurement, quality, CAE, vizualisation

TIP :

Choose bundles in the case of multiple collaborations to ensure greater responsiveness to client consultations.

STAND-ALONES   OR   **PLUG-INS**

Datakit offers 2 types of solutions to exchange or convert technical data:

☑ Stand-alone solutions (CrossManager)
☑ or Plug-ins for SOLIDWORKS or RHINO

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CrossManager

Stand-alone convertors

REMINDER :
A configuration of CrossManager includes:

the conversion engine
a reading module for each file format to be read
a write module for each format to be written

A host of possible combinations

Read and write converters can be added to the initial license at any time.

Download our CrossManager flyer

Explore the range of all possible combinaisons on our web site

INPUT

3DVIA / CATIA / SOLIDWORKS Composer .smg .smgGeom	FBX .fbx
ACIS .sat .asat .sab .asab	Fusion 360 .f3d
CADDS ._pd _pd	glTF .gltf .bin .glb
CATIA V4 2D .model .dlv .dlv3 .exp	IFC .ifc .ifcxml .ifczip
CATIA V4 3D .model .dlv .dlv3 .exp .session	IGES .igs .iges
CATIA V5 2D .CATDrawing	Inventor .ipt .iam
CATIA V5 3D .CATPart .CATProduct	JT .jt
CATIA V6 / 3DEXPERIENCE 2D .3dxml	Navisworks .nwd
CATIA V6 / 3DEXPERIENCE 3D .3dxml	OBJ .obj
CGR .cgr	Parasolid .x_t .x_b .xmt_txt .xmt_bin
Creo View .ol .ed .edz .pvs .pvz	PLM XML .plmxml
DWG / DXF 2D .dwg .dxf	ProE / Creo Parametric 2D .drw .drw.*
DWG / DXF 3D .dwg .dxf	

ProE / Creo Parametric 3D .prt .prt.* .xpr .asm .asm.* .xas
Revit .rvt .rfa
Rhino .3dm
Solid Edge 2D .dft
Solid Edge 3D .par .psm .asm .pwd
SOLIDWORKS 2D .slddrw
SOLIDWORKS 3D .sldprt .sldasm
STEP .stp .step .stpZ
STL .stl
UG NX 2D .prt
UG NX 3D .prt
VDA .vda

OUTPUT

3DXML .3dxml	glTF .gltf .bin .glb
3MF .3mf	IFC .ifc .ifcxml
ACIS .sat	IGES .igs
CADDS ._pd	JT .jt
CATIA V4 3D .model	OBJ .obj
CATIA V5 3D .CATPart .CATProduct	Open CASCADE .brep
CGR .cgr	Parasolid .x_t .x_b
COLLADA .dae	PDF 2D .pdf
DXF 2D .dxf	PDF 3D .pdf
FBX .fbx	

PLM XML .plmxml
PRC .prc
SOLIDWORKS 3D .sldprt .sldasm
STEP .stp .stpZ
STL .stl
UG NX 3D .prt
Unisurf .uni
VDA .vda
VRML .wrl

Plug-ins

RHINO or SOLIDWORKS settings

Rhino V5, 6, 7, 8

SolidWorks 2010 to 2024

-> Download the flyer

-> Download the flyer

REMINDER :

english version,
perpetual license

VSES, SMIS, SMES AND LARGE GROUPS

What are the company and offices consulting you?
How are they organised?
What are their activities and missions?

CrossManager

Audience:
Mainly
Design and engineering offices

These solutions are most often purchased by companies with design or engineering offices that need to exchange models (parts or assemblies) during the design or production phase within the company, but also with their principals and subcontractors.

CrossManager Advanced

Audience:
SMES or engineering companies

These solutions meet the needs of companies with highly automated working methods that will use a batch script to retrieve files and store the data automatically and on a massive scale.

Plug-ins

Audience:
Small private companies or highly specialised offices of large companies

These solutions are most commonly used by smaller organisations, freelance designers, and architects who use RHINO or SOLIDWORKS software. They may also be specific departments of large companies in charge of particular design tasks or for evaluating the feasibility of a project or preparing the manufacturing job, etc.

CAD licence user mode

Identify who is going to perform the data exchanges and how often they occur!

SEVERAL PERSONS,
+ MANY CAD SOFTWARE
☑ Stand-alone convertors
☑ **CrossManager**

With CrossManager, users don't need to mobilise their workstation, and therefore their CAD licence. They don't need to have any knowledge of the CAD software concerned.

💡 **TIP CrossManager:**

If the company requires the CAD workstation 100% of the times,
= choose CrossManager.

ONE PERSON,
+ ONE CAD WORKSTATION
☑ **SOLIDWORKS Plug-ins**
☑ **or RHINO Plug-ins**

The SOLIDWORKS or RHINO plug-ins are embedded in their respective software, i.e. they are set on the same computer and require a licence for the related CAD software

💡 **TIP Plug-ins:**

If the person who uses SOLIDWORKS or RHINO is **also responsible for the conversion of the files,**
= choose the plug-ins

With a SOLIDWORKS or RHINO plug-in, the user can directly read the model to convert, access the conversion parameters and the result within his SOLIDWORKS or RHINO environment

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XAO

Identify the types of data to retrieve for departments other than design offices

ENGINEERING, CONTROL, QUALITY OFFICES
- ☑ **Native Formats**
- ☑ **Neutral Formats**

2D drawing, Geometry, 3D BREP, Parts, Assemblies, PMI, Meta-data, Properties, Attributes

PURCHASING, PREPARATION, VISUALISATION, CAE
- ☑ **Native Formats**
- ☑ **Neutral Formats**

Facetted models, Mesh representation

CONSTRUCTION, BIM, FACILITIES
- ☑ **Native Formats**
- ☑ **Neutral Formats**

BIM data

TIP:

Sample files provide a better understanding of the customer's exact requirements. Ask for example!

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Number of files to exchange and regularity of data exchanges

The number of files to convert and the frequency of the conversion determine the choice of the convertor

Choose between the 2 different exchange solutions modes according to the quantity and needs of the user:

For manual conversion of files
- ☑ CrossManager
- ☑ or Plug-in

For automatic conversion of large quantities of files
- ☑ CrossManager Advanced for a batch mode (script)

TIP:
CrossManager Advanced can be embedded into a PLM software for automatic integration of model data into the company software, while using a script.

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Users types and numbers

ACQUISITION
FLOATING

QUOTE
A LICENSE

SUBSCRIPTION

A quotation depends on the size & structure of the company (international versus local), its processes, workflow and the number of concurrent accesses + formats

Datakit offers scalable models tailored to users' short- and medium-term use.

✓ **FIX PERPETUAL SINGLE OR MULTIPLE LICENSE(S)**
for 1, 2, 3... user(s) working on personal computer + dedicated software and converter

✓ **FLOATING LICENSES (TOKEN)**
Access of one or several simultaneous users throughout a network according to the number of accesses purchased

✓ **REMOTE LICENSE**
Control of your own computer and license remotely i.e outside your current office

The method of use may change, but the quality and processes of the conversion license will remain the same.

Recurring or temporary needs

The regularity and duration of the needs for conversion should be taken into account when choosing between a perpetual or a subscription license

Datakit offers different ranges of licensing that take into account the consistency and repeatability of conversion requirements:

PERPETUAL LICENSE

90-day of support and updates is included when buying a perpetual license

Perpetual licences meet the needs of users with frequent and regular requirements. We advise to choose an annual maintenance to make sure users benefits from compatibily with its CAD Software when it is updated.

SUBSCRIPTION LICENSE

This is an economical solution to adopt for temporary needs.

TIP:
The competitive prices of Datakit converters and accounting arguments can also be taken into account when choosing between subscription (rental solution) and perpetual (investment).

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Bundles plug-ins

DS SOLIDWORKS

Plug-ins **Catia V4, V5, V6 for SolidWorks can be purchased per format or in bundles**. Know more !

Rhinoceros modeling tools for designers

4 bundles **Rhino** are available : BIM, Import, Export, Import + Export
Know more!

CrossManager

Have a look at the flyer related to the stand-alone CrossManager converters.

Test CrossManager for free and view the results in PDF3D format.
Create your account on www.datakit.com is required!
Ask for a test!

Did you know?

- ☑ Datakit converters respect the integrity of the geometry.
- ☑ The quality of the geometric data exchanged with CrossManager is the same as with the SW and Rhino plug-ins.
- ☑ The flexible CrossManager licensing offers more than 100 possible read and write combinaisons
- ☑ With the plug-ins, a file is retrieved within the host software (SOLIDWORKS or RHINO) and the geometry is created using that software's API.
- ☑ PMI data from most formats are read. They are written for JT, STEP & PDF3D formats.
- ☑ Datakit converters can be used to read facets (faceted graphical representation / meshes) and also the B-Rep part (exact geometry) of JT files..
  All JT assembly types are available. They can be written in 2 different ways *(monolithic or with the entire tree of files) depending on the need to explode the different hierarchical levels of the assembly.*
- ☑ Datakit converters also enable the user to read and write STEP files (geometry, BREP, tessellation, graphical attributes, graphical PMI and semantics, views, attributes), as well as assemblies. .
- ☑ When a designer imports a model into SW or Rhino using the plug-ins, the PMI data are displayed,

🔅 **TIP :**
According to the objective (graphical or semantic use), it is recommended to choose formats that allow more or less complete files to be exchanged.

Customer relations and meeting their needs are at the heart of Datakit's values.

Since its creation in 1992, data exchange has always been at the heart of Datakit's expertise.
The company has been involved for many years in standardization work on the STEP format, and more recently on PDF and BIM formats.
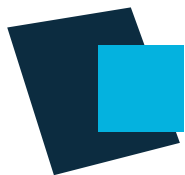
Datakit guarantees its customers:
- ☑ high-quality technical support,
- ☑ quarterly updates,
- ☑ perfect compatibility with most CAD software versions and their latest versions.

The organisation and skills of our support and R&D teams make it much easier for Datakit to respond quickly to requests from its customers and partners.

TOP QUALITY SUPPORT

QUATERLY UPDATES

COMPATIBILITY WITH CAD SOFTWARE

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