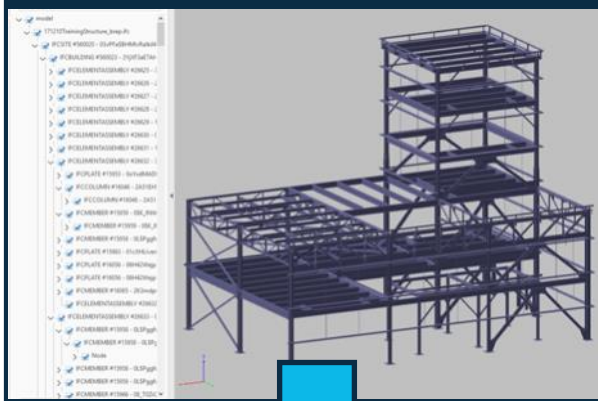# 2D & 3D data access API for BIM software vendors

Datakit has been working for more than 25 years on providing CAD API for software vendors. The company provides a toolkit to **extract data from 2D & 3D files**, without the need of any separate software license.

2D or 3D model

Data extraction

CrossCad / Ware SDK

Product data
PMI   Metadata
File properties   BOM   Geometry
3D tolerancing   2D drawings
Topology
Assembly structures
File previews

Data integration in your application

Design   BIM
Data management
Visualization   Analysis
Modeling

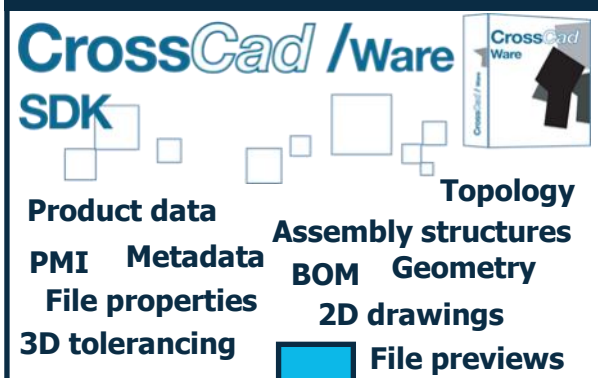## Extracting data from BIM and CAD files

The toolkit allows to extract 2D & 3D geometrical data, with their characteristics, to integrate them in your BIM application. to provide reliable data to the user.

Various types of data are supported:

- **Assembly structures, BOM**
- **Geometry / topology / mesh**
- File **properties**
- **Metadata** (Material, Supplier, Cost...)
- **Product Data**
- **Product Manufacturing Information** (3D tolerancing, 2D drawings)

Two integration methods

CrossCad/Ware FileToFile transfers files to a neutral format of your choice, that you will be able to read to process original data easily.

CrossCad/Ware SDK toolkit allows Independent Software Vendors to integrate extracted data into their own process.

CrossCad/Ware can especially **read IFC and Revit** formats and **write IFC** format, enabling you to offer to the users of your application to import/export data for the two main formats of BIM world.

An API for all types of software

Datakit technology can be useful for any ISV wanting to integrate BIM and CAD data in its application. All domains can benefit from it, including:

- **Design** and **modeling** software
- **BIM data management** software
- Structural and energy **analysis** software
- **Viewers**
- ...

Why select Datakit API?

- Access **multi formats data**, native or neutral with a single API
- **Easy to integrate** in your application
- Does **not require third parties licenses**
- **Control** of the whole conversion process
- Advanced **functionalities**
- **Large range of entities** covered

- **Quickness** of data treatment
- **Independent** from any proprietary API
- **Transparent** to the end users
- **Portable**
- Possibility to **stand out from your competitors**, by providing innovative features