Elysium 3DxSUITE™

The True Interoperability Platform

ELYSIUM

Translation

The Essential Key to a Multi-CAD Environment

Based on Math, Not Guesses

CAD systems have differences. To move from one to another you need to understand these differences. 3DxSUITE breaks down each model to its basic mathematical representation to precisely convert into another mathematical definition.

Utilizing CAD APIs

High-quality translation based on our unique conversion formula utilizing the official APIs of CAD systems

More than just Geometry

Accurate geometry with original CAD colors, 3D annotations, attributes, assembly tree(s), layers/groups, views/captures, and quality stamping
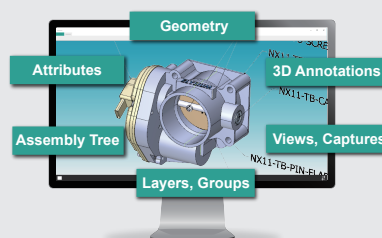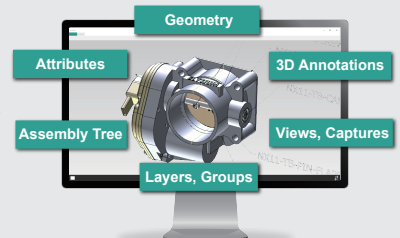
Schedule & Automate

Schedule translations per your convenience and automate with triggers with your PLM system

The Power Behind Translation

3DxSUITE translation offers more than what meets the eye. With the utilization of genuine CAD APIs, information within the 3D CAD data including geometry, PMI, attributes, and more, are all delivered to your target system with high fidelity.

Original CAD System

Target CAD System

Supported CAD and Formats

Elysium offers support for all major CAD systems and a multitude of other formats.

CAD	Type	Importer			Exporter		
		Geometry	Attribute	PMI	Geometry	Attribute	PMI
CATIA V5	Plug-in	✓	✓	✓	✓	✓	✓
	Standalone	✓			✓		
CATIA V4	Standalone	✓			✓		
3DEXPERIENCE	Plug-in	✓	✓	✓	✓		✓
NX	Plug-in	✓	✓	✓	✓	✓	✓
	Standalone	✓			n/a	n/a	n/a
Creo Parametric	Plug-in	✓	✓	✓	✓	✓	
	Standalone	✓			n/a	n/a	n/a
NX I-deas	Plug-in	✓	✓	✓	✓	✓	✓
SOLIDWORKS	Plug-in	✓	✓	✓	✓	✓	
Creo Elements/Direct	Plug-in	✓			✓		
Autodesk Inventor	Plug-in	✓	✓		✓	✓	
CADmeister	Standalone	✓	✓	✓	✓	✓	✓
iCAD	Standalone	✓			✓		
Parasolid	Standalone	✓			✓		
ACIS	Standalone	✓			✓		
STEP	Standalone	✓	✓	✓	✓	✓	✓
JT	Standalone	✓	✓	✓	✓	✓	✓
PLM XML	Standalone	✓	✓		✓	✓	
XPDMXML	Standalone	✓	✓		✓	✓	
3D PDF	Standalone	✓		✓	✓		✓
3DXML	Standalone	✓			n/a	n/a	n/a
QIF	Standalone	✓		✓	✓		✓
IGES	Standalone	✓			✓		
STEP AP242 BOM	Standalone	✓	✓		✓	✓	
STL	Standalone	✓			✓		
XVL	Standalone	n/a	n/a	n/a	✓		
OBJ	Standalone	✓			✓		
VRML	Standalone	✓			✓		
Nastran	Standalone	✓			n/a	n/a	n/a
Point Cloud	Standalone	✓			✓		