

CAPVIDIA FORMATWORKS

BACKGROUND

3D CAD data has become the foundation for design and the driver for manufacturing in practically every industry. However, this data can take different forms when design teams use various CAD systems or need to export files to or import them from other related applications. The ability to easily and efficiently work with various CAD data formats can have a positive impact on sales, delivery schedules, and profitability.

SolidWorks® provides many options for translating data from other CAD systems and exporting compatible data, but it does not support every format. SolidWorks Partner Products provide solutions to transfer these file formats into SolidWorks without losing any data.

FORMATWORKS

FormatWorks supports a wide range of formats not included in SolidWorks, such as native CATIA® V4 and CATIA V5. If the work involves MBD (Model-based Definition) data, users can access Product Manufacturing Information (PMI), including GD&T and annotation, directly from native formats such as CATIA, UGX, and Pro/E®. Automatic repair and diagnostics tools combined with the preview/select function minimize the amount of data, ensuring high-quality data. Imported models are easily converted into workable and editable solids in SolidWorks.

Supported Formats:

Import to SolidWorks: CATIA V4, CATIA V5, CATIA V5 PMI, UGS, UGS-PMI, Creo/Pro/E, Creo/Pro/E-PMI, Inventor®, ACIS®, STEP, IGES, VDA-FS, VRML, STL, and CAP XML

Export from SolidWorks: CATIA V4, CATIA V5, Inventor, ACIS, STEP, IGES, VDA-FS, VRML, STL, and CAP XML

COMPETITIVE UPDATE

Working with imported CAD data can be problematic for all CAD systems. FormatWorks offers tools and workflows that significantly improve basic SolidWorks capabilities. In competition with other CAD vendors in accounts operating in multi-CAD environments, FormatWorks will help to ensure the success of SolidWorks.

- CAM: CAM applications operating in SolidWorks will run faster and produce higher-quality NC paths on models imported through FormatWorks.
- FEM and CFD: Correct CAD models essentially improve and speed up meshing required for FEM and CFD analysis.

FormatWorks not only improves SolidWorks utilization, but also contributes to broadening SolidWorks use in the organization.

PRICING

FormatWorks offers a flexible product packaging and pricing system available in different configurations: FormatWorks Standard, FormatWorks Professional, and FormatWorks Float, and FormatWorks Server/Client in both 32- and 64-bit platforms.

COMPANY INFORMATION

Capvidia was established in 1994 with headquarters in Leuven, Belgium, and employs over 80 highly skilled programmers, scientists, and engineers located in offices in Belgium and Russia.

KEY CONTACTS

Europe (Leuven, Belgium):

Tomasz Luniewski, tl@capvidia.be
Thomas Tillman, tt@capvidia.com
+32 16 40 27 47

MidWest (New Ulm, MN):

Lyle Fischer, lyle@capvidia.com
+1 507 794 5447

West Coast (Irvine, CA):

Tracey Kilgore, tk@capvidia.com
+1 949 910 2916

VAR PENETRATION

FormatWorks is represented by all major SolidWorks resellers in the US, Europe, South America, Japan, and Asia. Some US resellers are Fisher/Unitech, Hawk Ridge, GoEngineer, 3Dvision, and DASI Solutions.

NEXT STEPS

Additional product information may be found at www.capvidia.com/cad-data-translation.

There is a Quickflix video available under the Partners section of SolidWorks.com. Capvidia also has a YouTube channel:

www.youtube.com/user/CapvidiaVideo

You may download evaluation software (full version) from www.capvidia.com (after registration), install software, and request an evaluation license. The support team will guide you through the evaluation process and provide technical support for new users.

All product brochures are available for download in the PDF format on www.capvidia.com. Printed copies and other marketing materials (.ppt presentations, demo examples, etc.) describing the products may be requested from local offices.

