

# Services & Capabilities

## bestCADsolutions, Inc.

347 Rice Lake Road, Somerset, WI 54025  
Phone: 715-247-5827 - Fax: 715-247-5827

**We are a full service design, engineering and data translation company.**

- **Why choose bestCADsolutions, Inc.**
  - **All employees are United States citizens**
  - **Courteous and helpful staff**
  - **Customers worldwide**
  - **Department of Defense, United States Government supplier**
  - **Excellent rates**
  - **Expert staff**
  - **Extended office hours**
  - **Free quotations**
  - **Non-disclosure agreements in place for all employees and vendors (DOD Warning Banner)**
  - **Multiple payment methods**
  - **Project closure**
  - **Supplier to approximately 200 of the fortune 500 companies (tier I, II)**
  - **Unbelievable service**
  - **Vietnam Era Veteran owned small business**
  - **Weekend translation services**
  - **We listen to what you want and deliver what you need**

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### ➤ Mechanical Design Services

- Assembly design
- Black boxes
- Class “A” surfacing
- Component design
- Data translations
- Drawing creation, migration
- Flattening (standard sheet metal and class “A”)
- Mechanical routing
- Patent development, drawings, search and submittal
- Sheet metal design
- Systems design
- Tool design

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### ➤ Electrical Design Services

- Aerospace electrical routing
- Automotive electrical routing
- Automotive systems design
- Black boxes
- Circuit board sizing
- Consumer products electrical routing
- Conversions (Mentor Graphics → Unigraphics, API)
- Formboards (layout, bill of materials, wire lists)
- Schematic layout and development

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### **➤ Architectural Services**

- **Additions**
- **Boat docks**
- **Concrete work**
- **Construction plans**
- **Data management**
- **Decks**
- **Drawings**
- **Landscaping**
- **Renovations**
- **Site plans**
- **Structural design**

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- **Data storage services**
  - **Private dedicated servers**
  - **Secure data storage in Connecticut, Florida, Wisconsin**
- **Website Services**
  - **Domain design**
  - **Domain hosting**
  - **Domain registration**
  - **Search engine optimization**
  - **Search engine submittals**
  - **Site development**
  - **Site publishing**
  - **Shopping carts**

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### ➤ **CAD systems**

- **Alibre**
- **AutoCAD 2000 – 2007**
- **CadKey all versions**
- **Catia V4, V5**
- **Ideas 10+**
- **Inventor 10, 11**
- **Key Creator V4, V5, V6**
- **ProEngineer Wildfire I, II, III**
- **SolidWorks 2004, 2005, 2006, 2007**
- **Solid Edge V12, V14, V16, V17, V18, V19**
- **Unigraphics V17, V18, NX, NX2, NX3, NX4**

**(This list is dynamic and may not reflect the most current versions)**

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### ➤ File formats supported

- ACIS: .sat format
- Autodesk: DXF, DWF and DWG formats. Backward compatible to 1997, 2000, 2002, 2004, 2006, 2007,
- Autodesk Inventor: .ipt, .iam, .idw formats Versions 5.3, 6, 8, 10, 11. Backward compatible to 1997, 2000, 2002, 2004, 2006, 2007,
- Autodesk Mechanical Desktop: dxf, dwf and dwg formats. Backward compatible to 1997, 2000, 2002, 2004, 2006, 2007,
- Computer Graphics Metafile: cgm format. CGM via Unigraphics NX2, NX3, NX4, Catia V4, V5, Solid Edge, SolidWorks, Inventor,
- Dassault Systems CATIA V4 or V5: .catalog, .CATDrawing, .CATfct, .CATKnowledge, CATMaterial, .CATPart, .CATProduct, .CATRaster, CATShape, flataix1, exp formats, .mod, .model. Catia V5R14, V5R16, V5R17, [DL1](#)
- EMS: ems format
- Hewlett-Packard Graphics Language: .gl, .gl2, .plt and .hpgl formats
- I-DEAS: pmd, xpk, plmxpk and .prt project file formats. Revision 10 NX (backwards compatible to V9 SDRC I-deas). NX2 V11

(see next sheet for completed list)

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### ➤ More file formats

- NX3 V12.
- IGES 2D or 3D neutral translations: .igs format. Data outputs as solid model, wireframe or surface data
- MDS: .mds format
- Parasolid: x\_b and x\_t formats
- PTC Pro/ENGINEER: asm and prt formats. versions: release 18, ProE 20001, ProE 2001, Wildfire, Wildfire 2 (II), Wildfire 3 (III)
- SDRC (see I-deas above)
- Solid Edge by UGS PLM Solutions an EDS company: .asm, dft, .par, .psm, and .pwd weldment formats. Running V14, V16, V17, V18, V19
- SolidWorks: sldprt, sldasm etc. 2004, 2005, 2006, 2007
- Stereolithography files: .stl, sat, txt. Available in any release.
- STEP 203 or step 214 neutral translations: .stp or .step
- Unigraphics by UGS Corporation: .prt format for all versions v1,v2,v3,v4,v5,v6,v7,v8,v9,v10,v11,v12,v13,v14,v15,v16,v17,v18,v19 NX, v20 NX2, v21 NX3, v22 NX4, v23 NX5,
- Virtual Reality Modeling Language - VRML: wrl and wrml formats for version 1.0 and 2.0+.
- XML: .xml and xmlplm formats
- XVL: .xvl format

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### **➤ Team member credentials (1 or more of each)**

- Apprentice Pattern Making**
- Associate of Science Design Technology, Product Development**
- Bachelor of Arts Geography**
- Bachelor of Science Electrical Engineering**
- Bachelor of Science Industrial Technology**
- Bachelor of Science Mechanical Engineering**
- Master of Science Electrical Engineering**
- Professional Engineer**

**(This list reflects March 2007 current team)**

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### ➤ **Team member locations**

- **Florida**
- **Georgia**
- **Indiana**
- **Michigan**
- **Minnesota**
- **Pennsylvania**
- **New York**
- **Washington state**
- **Wisconsin (Customer Center)**

**(This list reflects March 2007 current team)**