



## 4 Logic

### 4 Logic uses CAD Exchanger GUI to streamline its mechanical design projects

4 Logic is a start up company that provides drawing and design services for mechanical engineering.

#### The Challenge

In its work 4 Logic relies on Autodesk AutoCAD to integrate 3D models from multiple libraries of standard parts as well as directly from the suppliers. 3D models are provided in various formats that often cannot be directly imported into the CAD system.

#### The Solution

To complete its mission, 4 Logic engineers use CAD Exchanger GUI to convert input parts from IGES, STEP and other formats into the ACIS-SAT format which is native for AutoCAD. CAD Exchanger allows to specify the output SAT version (up to R20) thereby enabling most reliable reading by the target CAD system.

CAD Exchanger applies its integrated capabilities to analyze and to correct possible quality issues in the original models and to prepare them for smooth reading by downstream applications.

#### The Value

Due to use of a single native format for AutoCAD, 4 Logic can streamline its processes and fully focus on design tasks.

Using CAD Exchanger conversion capabilities, the design team is able to accept models in a broader set of formats from its suppliers.

With the help of CAD Exchanger GUI, 4 Logic is able to preview 3D models before integrating them into a final assembly thereby reducing total time of the project.

“CAD Exchanger is a very intuitive application to use, and converting a file into another format is very easy. You can also use the program as a viewer to see how the models look like.”

*Erik Sars, Founder of 4 Logic*

