



*"With HOOPS/3dAF, the base application infrastructure was already designed and built, allowing us to take advantage of the power of the underlying set of component and focus CADIQ development on our true added value rather than re-invent the graphics power and functionality encapsulated within the HOOPS product set."*

*Don Hemmelgarn, President*

#### Business Profile

Customer Name  
Transcendata

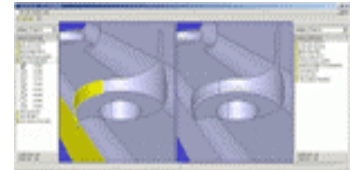
More Info  
[www.transcendata.com](http://www.transcendata.com)

Industry  
CAD Interoperability

TS3D Products  
HOOPS/3daf, HOOPS  
Stream Toolkit

#### Company Brief

Transcendata, an ITI Business, provides interoperability solutions which help companies effectively exchange, reuse and share engineering product data among diverse software applications. The company's CADIQ solution analyzes, identifies and highlights potential shape and fit problems within CAD models that may affect downstream applications.



#### The Challenge

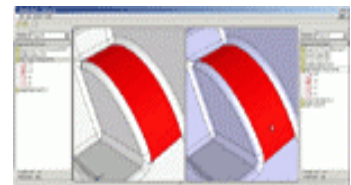
With its initial release, CADIQ established itself as an intelligent solution for the analysis, comparison and improvement of CAD geometry. Transcendata then set out to create a next generation version with a new module called CADIQ Compare containing more sophisticated graphics. Although new R&D resources were not available to expand the CADIQ development team, the company needed to find ways to deliver added functionality while meeting key customer deadlines.

#### The Solution

Transcendata came to TS3D with a long list of visualization and interaction requirements for the new CADIQ compare module. TS3D worked with CADIQ's R&D team to help create a working prototype that demonstrated that HOOPS/3dAF included all of the 2D, 3D and text capabilities the company needed. The prototype also showed that HOOPS/3dAF provides intelligent ways to tightly associate CAD geometry and feature information with HOOPS graphical objects.

#### The Results

- Transcendata delivered the CADIQ Compare Module to key customers on time and under budget.
- The R&D team was able to deliver a significantly rich product without an increase in headcount.
- The performance gains and new visualization capabilities in CADIQ have become key selling points for the product.
- The CADIQ Compare module has become an essential element in the success of the CADIQ solution and the Transcendata business unit of ITI.



#### About Tech Soft 3D

HOOPS toolkits from Tech Soft 3D (TS3D) dramatically simplify the design, development and maintenance of high-performance, interactive 2D/3D engineering software. HOOPS components are part of over 175 commercial software applications that run on millions desktops worldwide. Headquartered in Berkeley, CA, TS3D is on the web at <http://www.techsoft3d.com>. For more information, contact Ron Fritz, Managing Partner: 510.883.2180 x 201 or [ron@techsoft3d.com](mailto:ron@techsoft3d.com).