



"At Hitachi Zosen Information Systems we know what it takes to develop superior software that will meet the present and evolving needs of the 3D Visualization/Collaboration marketplace. With the HOOPS component technology we recognized an opportunity to rapidly deliver a solution of the highest quality for a new market opportunity."

Ichiro Kojima, Director - New Product Headquarters

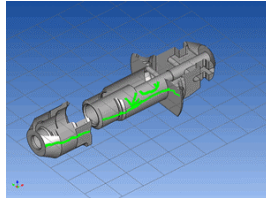
Business Profile

Products Using HOOPS
Darwin Revue

More Info
www.hzs.co.jp

Industry
CAD Interoperability

TS3D Products
HOOPS/3daf
HOOPS Stream Toolkit

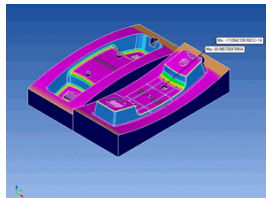
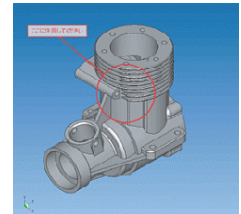


Company Brief

Hitachi Zosen Information Systems Co., Ltd (HZS) is a leading Japanese Systems Integrator and Software Vendor, providing successful solutions for various industries including CAD/CAM/CAE, GPS/GIS and ERP/SCM. The company's collaborative view/mark-up solution, Darwin Revue, makes use of HOOPS component toolkits.

The Challenge

HZS faced a problem familiar to every company that builds software: How should you introduce a new product when it is difficult to gauge potential market demand for the concept? HZS sought to minimize the risk by keeping its initial R&D costs as low as possible while it market tested the new solution. However, the company also wanted to give the product the best chance to succeed by making it a feature-rich, high-performance solution in keeping with HZS's reputation for producing innovative software.



The Solution

The HOOPS 3D Application Framework (HOOPS/3dAF) and HOOPS Stream Toolkit (HOOPS/Stream) provided HZS with a strong yet affordable foundation technology on which to build. Delivering an array of pre-written graphics interaction functionality, HOOPS/3dAF enabled HZS to focus on adding high-quality application logic. In addition, HOOPS/Stream gave HZS a compressed, engineering-specific, information-rich file format for streaming data between clients.

The Results

- TS3D's low up-front licensing model enabled HZS to ship product and test market response without a large initial R&D investment.
- HZS estimates that its time-to-market was reduced by at least 1 year through the use of HOOPS, enabling the company to get its innovative solution to market ahead of competitors.
- HZS also estimates that the necessary headcount for the project was reduced by at least 3 members.
- Drawing on HOOPS components, Darwin Revue has unique functionality - including the streaming of model, mark-up and text data - that provides competitive advantage.

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.