

Synchro

“Project management systems are complex by nature, especially if they integrate with 3D design output to create resources that are the basis for project planning and delivery. By working with HOOPS, a huge part of our development work was shared - with Synchro resources being redeployed toward enriching our system in other areas that ultimately integrate project design timing and cost. ”

Huw Jones, Chairman

Business Profile

Product Using TS3D
Components
Synchro

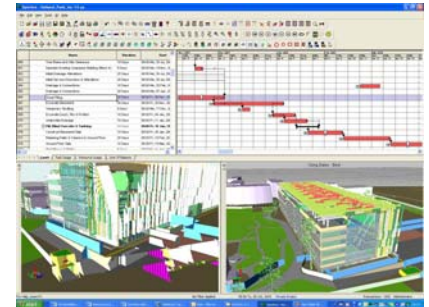
More Info
www.synchro ltd.com

Industry
Construction

TS3D Products
HOOPS/3dAF

Company Brief

Founded in 2001, Synchro offers an advanced 4D project management tool, which significantly streamlines key processes for the construction industry. The system creates a multi-dimensional plan to synchronize architects, engineers, and builders' efforts to envision, plan and execute design and construction projects. By integrating planning, scheduling and visualization, Synchro enables dramatic time and cost efficiencies for complex construction projects.



The Challenge

Versions 1.0 and 2.0 of the Synchro system impressed users with its comprehensive integration of various elements of construction project management. Although the overall Synchro solution scaled well, it became clear that a more powerful underlying graphics solution would be needed to handle the advanced visualization of massive construction projects. Synchro needed to smoothly replace their initial graphics implementation with a solution that would provide increased power and scalability. The transition also needed to be easy enough to allow the Synchro R&D team to focus on their core added-value; a deep understanding of how to dramatically increase the productivity of large design, engineering and construction teams.

The Solution

HOOPS/3dAF offered a high-level starting point with all of the graphics power and capability Synchro required. Using HOOPS/3dAF for version 3.0, Synchro was able to quickly develop an impressive visualization demonstration, which helped to clinch several early sales. HOOPS' ability in the areas of Large Model Visualization, DWG and DWF integration, cutting planes, animation, walk-through operations, textures, transparency mark-up and collision detection all help Synchro deliver a sophisticated visualization solution. These capabilities are all encapsulated in a high-level platform, so the Synchro team did not need to focus on core graphics - the new HOOPS-based solutions relieved them of that concern!

The Results

- Synchro delivered dramatically improved visualization performance and professionalism - helping them land key early adoption customers.
- Synchro has benefited from expanded capabilities made possible through new feature development by the HOOPS team, including added file format support, new Large Model Visualization algorithms and more.
- The Synchro team has helped to improve their products' core capabilities by focusing virtually their entire R&D efforts there, while relying on the TS3D team to deliver market-leading graphics.

About Tech Soft 3D

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