Burlington, VT (February 6, 2012) – German medical start-up Curefab is using Ascension's magnetic tracking sensors to enable a powerful new ultrasound technology called Computed Sonography, now available to university medical centers in Europe.

Curefab’s Computed Sonography (CS) scanner can be connected to any conventional 2D ultrasound system. It analyzes and compares data from the 2D system in a unique way, creating high resolution 3D images and making it possible to accurately measure volumes and distances in 3D models. This provides a much higher level of precision than previously possible with 2D scans.

Ascension’s sensors are a critical component of the CS system. They permit building of 3D models with a high level of accuracy – so that the image quality isn’t limited by the skills of the person using it.

“Ascension’s sensors make our 3D volume reconstructions possible,” said Michael Hohenester, co-founder and CEO of Curefab. “It is the high precision of Ascension’s sensors which builds the basis for user-independent measurement with Curefab CS.”

“Together with Ascension, we are setting a new standard for high precision and objectivity in clinical diagnosis and surgical planning,” Hohenester said.

Curefab CS’s main application is diagnosing disease in veins and arteries, as well as measuring volumes of tumors and lymph nodes. The technology produces 3D images of vascular structures, and detects and documents clinically important features, such as calcifications in blood vessels which can lead to stroke.

The technology also has the potential to improve imaging of large internal organs such as the liver or kidney, as well as broad applications in clinical studies and research. Curefab recently debuted its CS system at medical centers throughout Europe, giving leading angiologists, vascular surgeons and neurologists a chance to experience the technology firsthand. Future roadshows are planned for the Middle East, Asia and the U.S.

About Ascension
Ascension’s magnetic navigation and localization devices are key enabling technology for instrument navigation in image-guided surgery. Its magnetic and optical 3D trackers are prominently used worldwide in biomechanics and simulation and training; real-time visualization and computer animation. Its newest generation of 3D tracking systems -- driveBAY, trakSTAR and medSAFE – power medical navigation modules from GE Healthcare, Siemens, Hitachi, Toshiba and Ultrasonix as well as other medical device manufacturers. See also: www.ascension-tech.com

About Curefab
Curefab is a Munich, Germany-based medical start-up company with the vision of bringing high performance software into medical ultrasound. The company, which started with two people in 2008, now has a 20-member team of mathematicians, physicists, computer scientists and experienced entrepreneurs. Curefab has gained a reputation for being fast and flexible in its relations its partners and customers. For more information, visit http://curefab.com