

PRESS RELEASE



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New Radio-Translucent Transmitter Enables Precise Tracking of Catheters For Cardiac Procedures

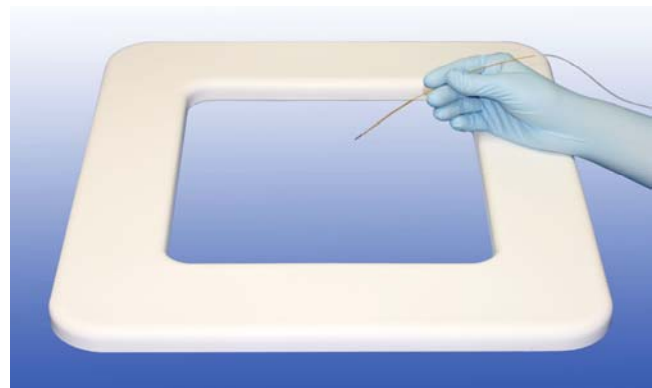
Ascension Presents Latest Magnetic Technology For Navigating Interventional Devices

BURLINGTON, VERMONT; May 8, 2009: Ascension Technology Corporation will showcase latest advancements in DC magnetic guidance technology for interventional cardiology at the Heart Rhythm Society (HRS) Meeting 2009, (www.hrsonline.org), in Boston, MA, May 14-16, 2009.

The improvements provide the vital navigation link for minimally invasive interventions in the structural heart. In conjunction with imaging equipment and visualization software, its **3D Guidance medSAFE™** sensors precisely navigate medical instruments to predetermined internal targets. Sensor tracking is unaffected by line-of-sight limitations while reducing radiation exposure to the patient and medical team.

New Magnetic Technology for Cardiac Intervention

Ascension's newest 3D Guidance magnetic sensor and field transmitter combinations enable physicians to accurately and safely navigate minimally invasive instruments within a patient's heart and vascular system. Its new transmitter pad, shown at right, contains an open center compatible with fluoroscopic x-rays. Low cost, disposable sensors, such as the one being held above the pad, have been miniaturized for use in catheters as small as 3 French.



Procedural uses include real-time guidance for building 3D anatomical maps and ablating tissue during EP procedures, navigating intracardiac ultrasound (ICE) catheters, measuring heart function, and fusing imaging modalities for widening ultrasonic fields of view.

The company's new generation of DC magnetic sensors let clinicians localize catheters in five and six degrees-of-freedom and spatially visualize catheter tip location with accuracies of 1mm. The DC approach eliminates errors resulting from low frequency noise sources and 300-series stainless steel, titanium, and aluminum instruments and objects. Measurement accuracies are unchanged when tracking in close proximity to intravascular ultrasound arrays and composite beds.

Ascension's heart-safe trackers are classified as a Class 1, Type CF, Defib Proof. The designation allows use of sensors within the human heart when incorporated into an approved medical instrument.

Heart Rhythm Society sessions will be held this year at the Boston Convention and Exhibition Center. Ascension's exhibit will be in **Booth #372**.

Ascension Technology Corporation, based in Burlington, Vermont, USA, is a world leader in magnetic, optical, and hybrid tracking solutions for intra-body navigation of minimally invasive instruments in a wide range of medical procedures. See www.ascension-tech.com or contact Trish Scott at 802-893-6657, ext 34.

The use of Ascension's sensors in medical devices and procedures assumes strict user compliance with all pertinent FDA/CE/IRB directives.

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