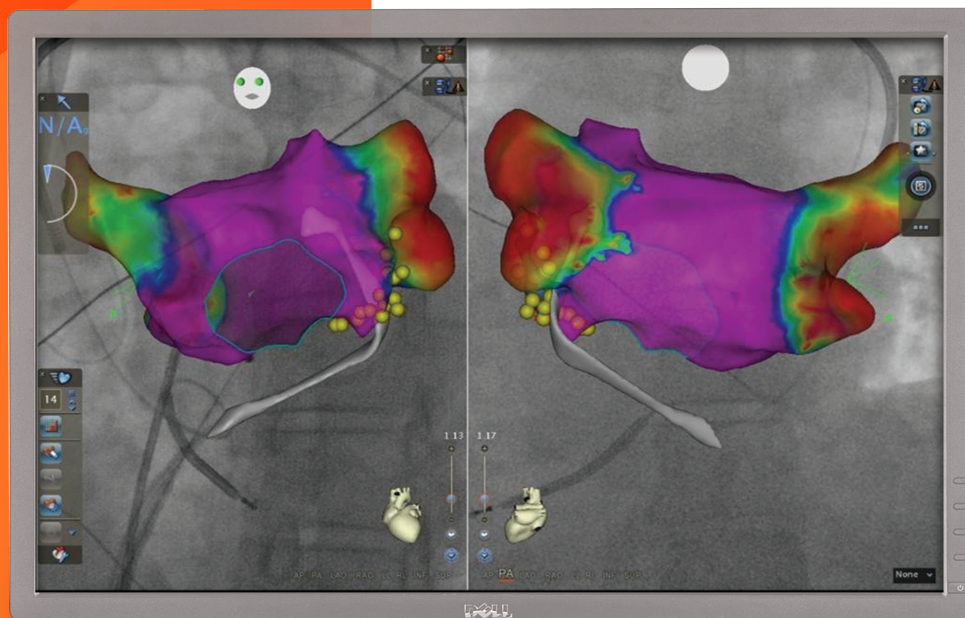


# The CARTO<sup>®</sup> 3 System






The only 3D mapping system with the integration, scalability and insights to help electrophysiologists optimize treatment decisions.



**CARTO<sup>®</sup> 3**  
System

Designed with every phase of the procedure in mind

Obtain robust information with an array of versatile diagnostic, mapping and treatment options with CARTO® 3 System products.

 <p><b>DISCOVER</b></p> <p>High-quality data points offer physicians electrical and anatomical detail in simple and complex cases.</p>	 <p><b>INTERPRET</b></p> <p>Advanced 3D mapping modules integrate multiple data sets and images into one resource for highly detailed, real-time information.</p>	 <p><b>TREAT</b></p> <p>With the broadest portfolio of catheters available; physicians can optimize their treatment strategy, whether it's to ablate or wait.</p>
<p><b>Includes traditional and advanced diagnostic catheters such as</b></p> <ul style="list-style-type: none"> <li>■ SOUNDSTAR® Ultrasound Catheter</li> <li>■ PENTARAY® NAV ECO High Density Mapping Catheter</li> </ul>	<p><b>Includes image integration tools, as well as advanced mapping and ablation software such as</b></p> <ul style="list-style-type: none"> <li>■ CONFIDENSE® Module</li> <li>■ VISITAG SURPOINT® Module</li> <li>■ CARTOUNIVU® Module†</li> <li>■ PASO® Module</li> <li>■ CARTOSOUND® Module</li> </ul>	<p><b>Includes Contact Force Technology and Irrigated Ablation Technology such as</b></p> <ul style="list-style-type: none"> <li>■ THERMOCOOL SMARTTOUCH® SF Catheters</li> <li>■ THERMOCOOL SMARTTOUCH® Catheters</li> </ul>

Contact a sales representative for more information on these products and/or a complete list of products available.

From diagnosis to treatment, the CARTO® 3 System and compatible technologies support most types of cases

†Always verify catheter tip location using fluoroscopy or IC signals and consult the CARTO® 3 System User Guide regarding recommendations for fluoroscopy use. Pellegrino, P.L., Brunetti, N.D., Gravina, D., Sacchetta, D., De Sanctis, V., Panigada, S., Di Biase, L., Di Biase, M., and Mantica, M. (2013). Nonfluoroscopic mapping reduces radiation exposure in ablation of atrial fibrillation. Journal of cardiovascular medicine 14, 528-533. Earley, M.J., Showkathali, R., Alzetani, M., Kistler, P.M., Gupta, D., Abrams, D.J., Horrocks, J.A., Harris, S.J., Sporton, S.C., and Schilling, R.J. (2006). Radiofrequency ablation of arrhythmias guided by non-fluoroscopic catheter location: a prospective randomized trial. Eur Heart J 27, 12231229.

DO NOT use PENTARAY® NAV ECO High Density Mapping Catheters in patients with prosthetic valves.

\*The clinical significance of utilizing the PASO® Module to help pace mapping for catheter ablation of ventricular arrhythmias has not been demonstrated by clinical investigations.

The THERMOCOOL SMARTTOUCH® SF Catheter is indicated for the treatment of drug refractory recurrent symptomatic paroxysmal atrial fibrillation (AF) and for drug refractory recurrent symptomatic persistent AF (continuous AF > 7 days but < 1 year), refractory or intolerant to at least 1 Class I or III AAD, when used with the CARTO® 3 System.

The CARTO VISITAG™ Module provides access to data collected during the application of RF energy. The Tag Index values should not be used to replace standard handling precautions or other clinically accepted endpoints for RF applications such as reduction of IC signals, impedance drop, and duration. All safety considerations, cautions, and warnings that apply to the general use of the CARTO® 3 System also apply while using this module. Users should follow the instructions for use of the compatible ablation catheters (i.e. THERMOCOOL SMARTTOUCH® Catheter and THERMOCOOL SMARTTOUCH® SF Catheter) to select ablation settings for an ablation procedure.

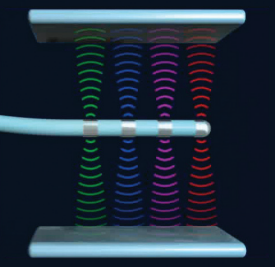
Find the paths and patterns that matter most to patients

The CARTO® 3 System enables EPs to be efficient while empowering them to diagnose and treat many arrhythmias.

- INTEGRATION** Products work together on a system that adapts to the lab.
- SCALABILITY** Flexible tools for today, built on a platform ready for tomorrow.
- INSIGHTS** Electrophysiologists (EPs) make the most informed decisions about when and how to treat.

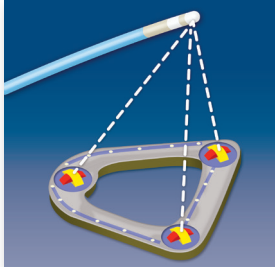
**Built On Hybrid Technology**

Only the CARTO® 3 System uses current- and magnetic- based technology to deliver outstanding catheter visualization and location accuracy.



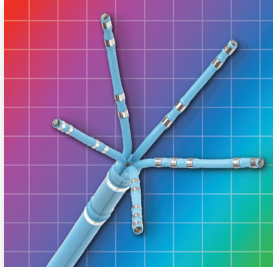
Current-based navigation

+



Magnetic-based navigation

=



**CARTO® System hybrid navigation**

The CARTO® 3 System is a 3D mapping system built to take on the complexities of arrhythmias

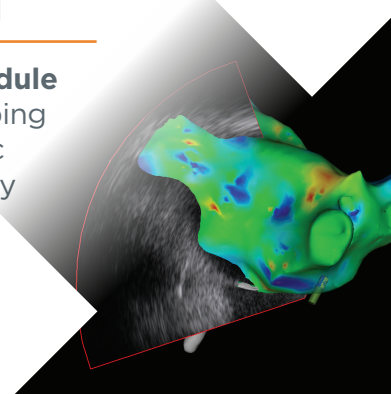
## Combine diagnostic data, mapping, imaging and treatment into one resource

The CARTO<sup>®</sup> 3 System is designed to streamline information and simplify procedures.

### High-quality data points

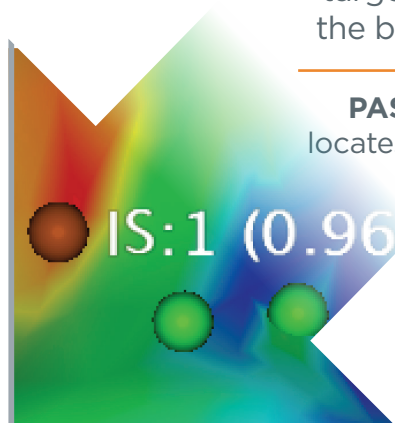
that show enhanced anatomical and electrical detail

**CARTOSOUND<sup>®</sup> Module** combines 3D mapping with intracardiac echocardiography (ICE) imaging.



**Refined localization of complex arrhythmias** to identify the patterns of target areas and develop the best possible strategy

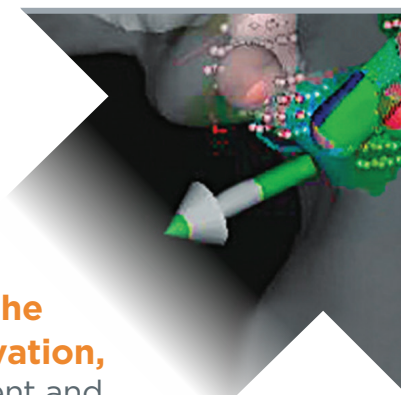
**PASO<sup>™</sup> Module\*** quickly locates and catalogs multiple VT sources



### INTEGRATION

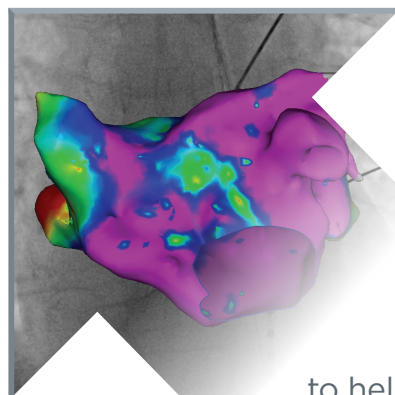
**Catheters at the forefront of innovation,** driving more efficient and successful treatments<sup>††</sup>

**THERMOCOOL SMARTTOUCH<sup>®</sup> SF Catheter** reduces ablation and procedure time while regulating total energy delivered.<sup>††</sup>



**Enhanced visualization** to help reduce fluoroscopy exposure levels

**CARTOUNIVU<sup>®</sup> Module** integrates maps, catheters and fluoro imaging.<sup>†</sup>

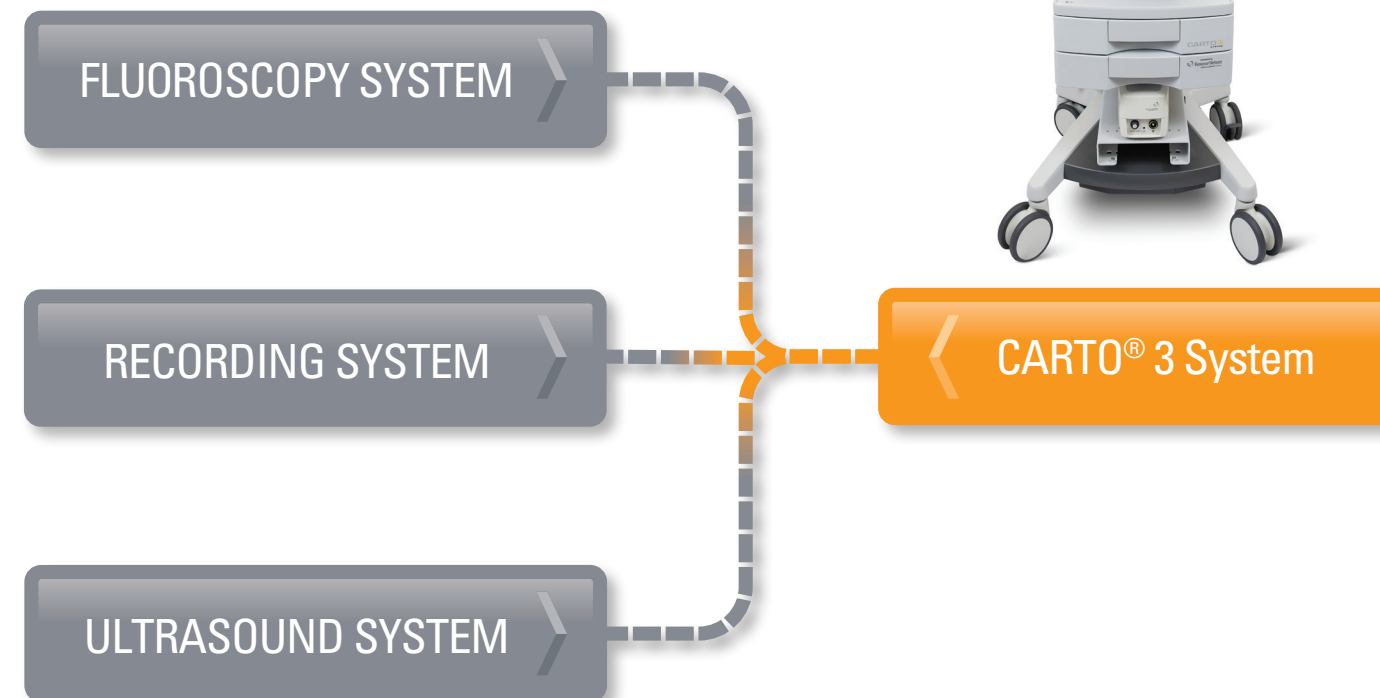


**Innovation and integration drive every aspect of CARTO<sup>®</sup> 3 System technology to optimize treatment decisions**

\*The clinical significance of utilizing the PASO<sup>™</sup> Module to help pace mapping for catheter ablation of ventricular arrhythmias has not been demonstrated by clinical investigations.

## Seamlessly integrate a complete suite of technologies in the lab

Strategic partnerships with industry leaders provide compatibility with standard EP lab technology from hospitals' most preferred vendors.

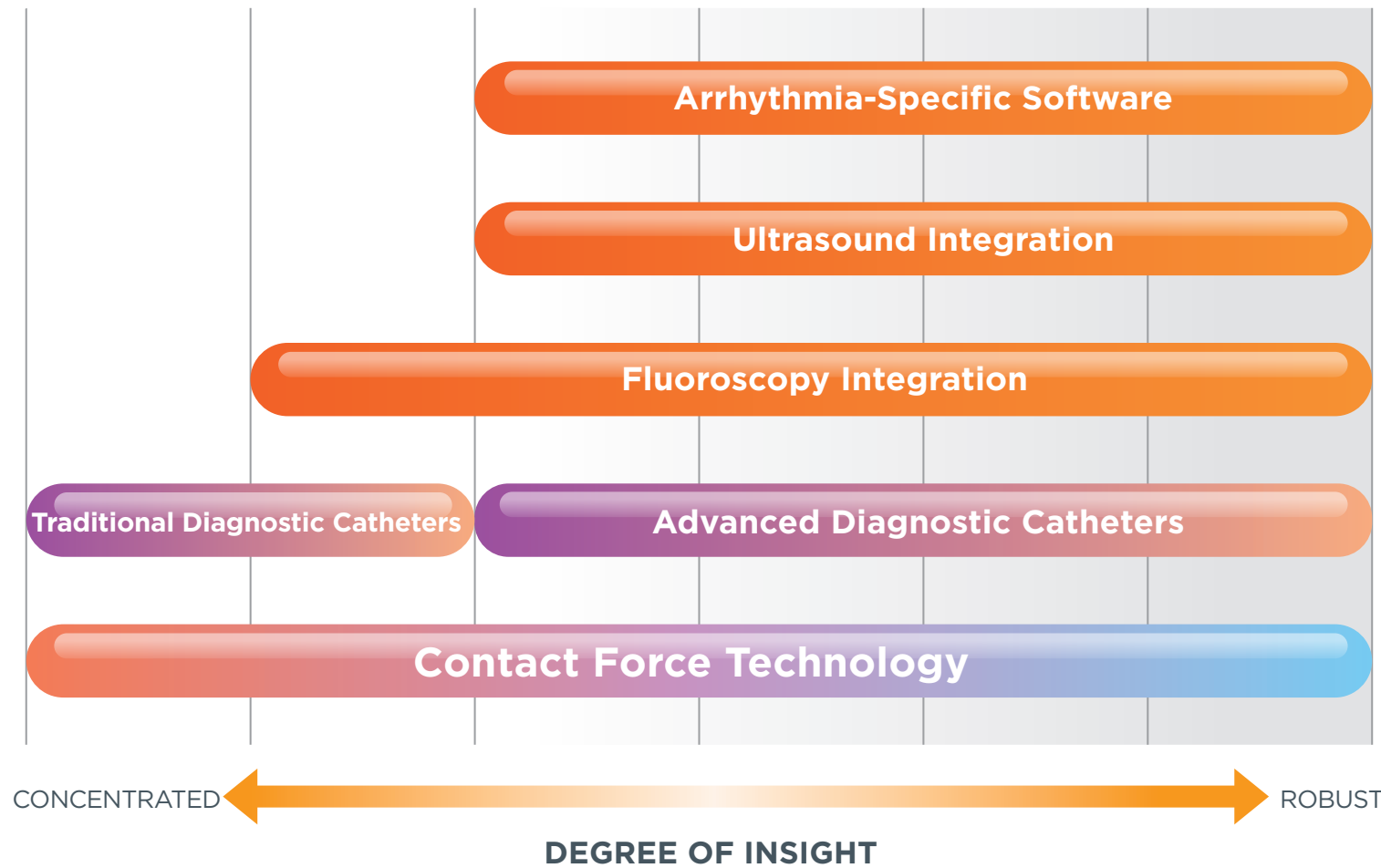


**The CARTO<sup>®</sup> 3 System has compatibility with most EP equipment**



## Build a unique approach for any case

Flexibility allows physicians to personalize their strategy based on technique preferences and procedure demands.



The CARTO® 3 System lets physicians scale procedures based on technique preferences and case complexity

## Enhance and upgrade without replacing

Stay up to date and acquire the latest technology to meet increasing demands in fast-growing areas, such as AF and VT, without having to reinvest in a new system.

### A legacy of *first-to-market* innovation

- Biosense Webster, Inc. has provided groundbreaking technological advancements to support physicians, such as:
  - image integration
  - irrigated ablation technology
  - 3D integrated contact force therapy

### Setting the *standards of today*

- For over 20 years, Biosense Webster, Inc. has been a leader in cardiac electrophysiology, with numerous first-to-market products that have advanced the field and gone on to become today's benchmarks

### Focused on *advancements for tomorrow*

- With over 2000 patents in the electrophysiology space, we continue to partner with customers with the goal of improving lab efficiencies, safety during procedures, and, ultimately, finding a cure for all arrhythmias

The CARTO® 3 System is an investment in innovation for today and tomorrow



## The CARTO<sup>®</sup> 3 System allows physicians to make the most informed treatment decisions



High-quality diagnostic data are pulled from a variety of sources

Fully integrated software modules create a robust clinical picture

Hybrid technology delivers outstanding accuracy

Built-in compatibility with broader lab technologies

Scalability and flexibility to support any workflow or patient anatomy

Get real-time feedback and unique insights about when and how to proceed with treatment.

Contact your Biosense Webster, Inc. representative about the CARTO<sup>®</sup> 3 System today.

**CARTO<sup>®</sup> 3**  
System



**Biosense Webster, Inc.**  
31 Technology Drive, Suite 200  
Irvine, CA 92618, USA  
Tel: 909-839-8500 | Tel: 800-729-9010  
Fax: 909-468-2905  
[www.biosensewebster.com](http://www.biosensewebster.com)

©Biosense Webster, Inc. 2022  
All rights reserved. 027669-220124

1. Natale A, Reddy VY, Monir G, Wilber DJ, Lindsay BD et al. Paroxysmal AF catheter ablation with a contact force sensing catheter: results of the prospective, multicenter SMART-AF trial. (2014) J Am Coll Cardiol 64 (7): 647-656.

<sup>†</sup>Success defined as freedom from any symptomatic atrial arrhythmia (atrial fibrillation, atrial flutter, atrial tachycardia) 12 months postprocedure when operator remained in the preset contact force range. Further sub-analysis showed that when the contact force was within investigator-selected range  $\geq 85\%$  of time, success rate increased by 21% to 88% ( $\geq 85\%$ : n = 32;  $< 85\%$ : n = 73).

<sup>‡</sup>Always verify catheter tip location using fluoroscopy or IC signals and consult the CARTO<sup>®</sup> System User Guide regarding recommendations for fluoroscopy use.

Pellegrino, P.L., Brunetti, N.D., Gravina, D., Sacchetta, D., De Sanctis, V., Panigada, S., Di Biase, L., Di Biase, M., and Mantica, M. (2013). Nonfluoroscopic mapping reduces radiation exposure in ablation of atrial fibrillation. Journal of cardiovascular medicine 14, 528-533. Earley, M.J., Showkathali, R., Alzetani, M., Kistler, P.M., Gupta, D., Abrams, D.J., Horrocks, J.A., Harris, S.J., Sporton, S.C., and Schilling, R.J. (2006). Radiofrequency ablation of arrhythmias guided by non-fluoroscopic catheter location: a prospective randomized trial. Eur Heart J 27, 12231229.

Caution: Federal law restricts this device to sale by or on the order of a physician.

Important information: Prior to use, refer to the instruction for use supplied with this device for indications, contraindications, side effects, suggested procedure, warnings and precautions.