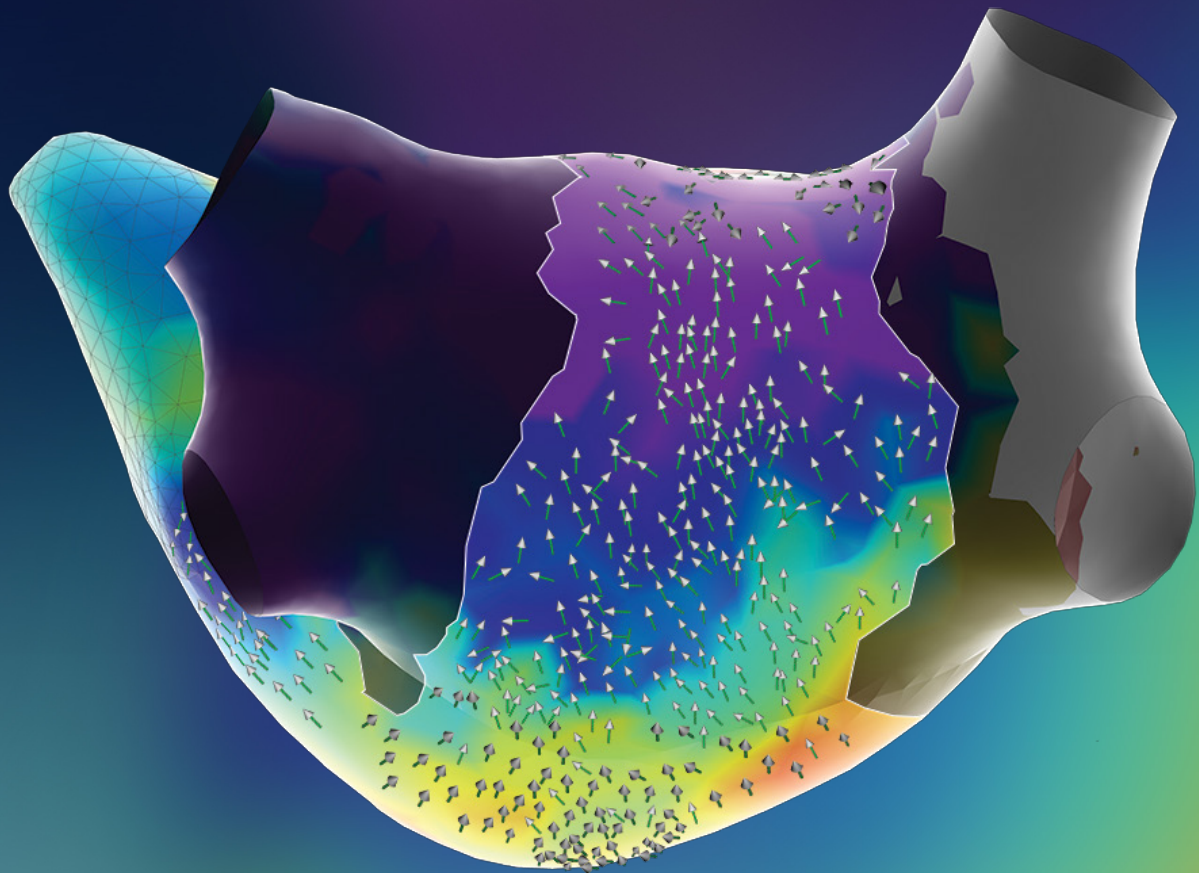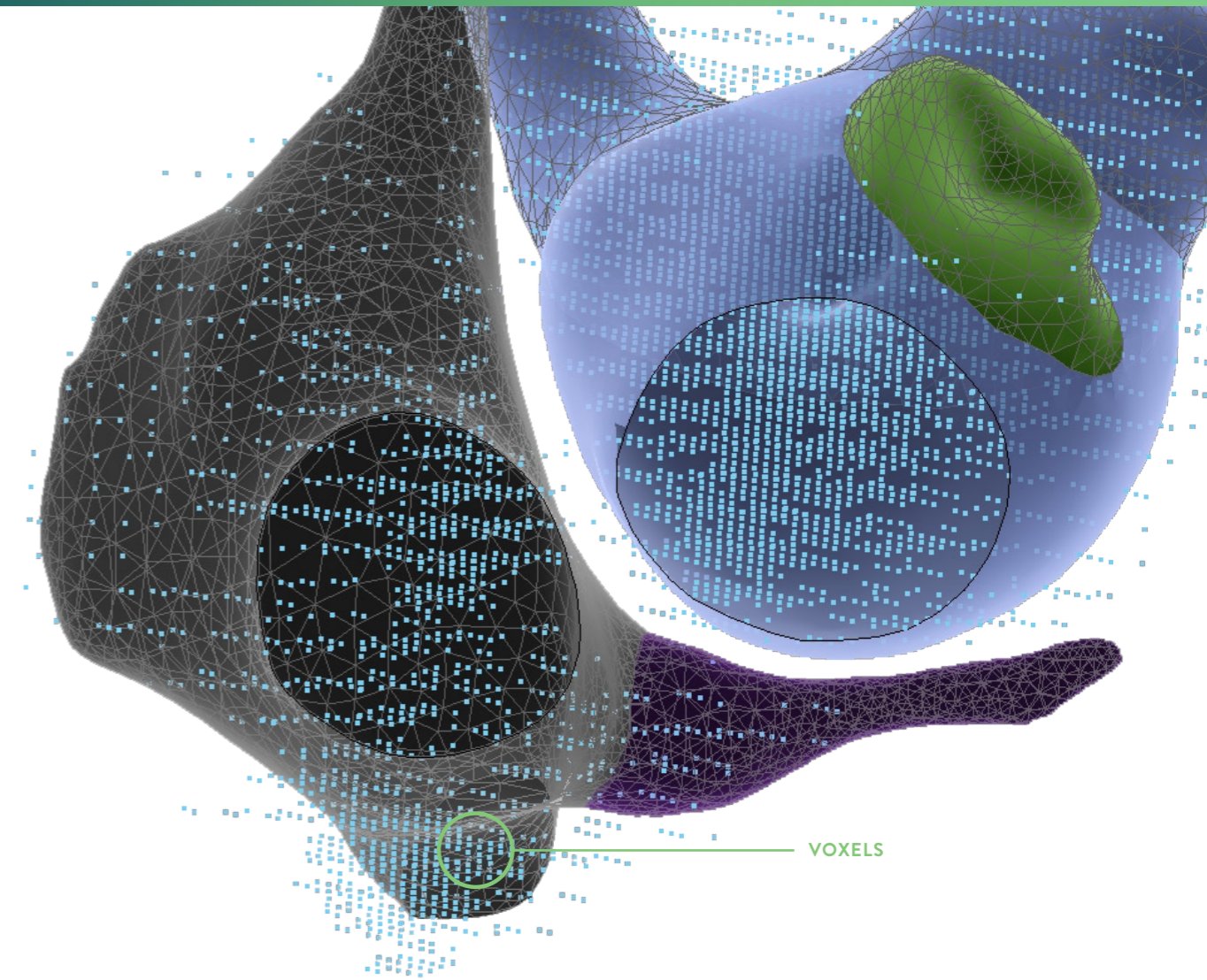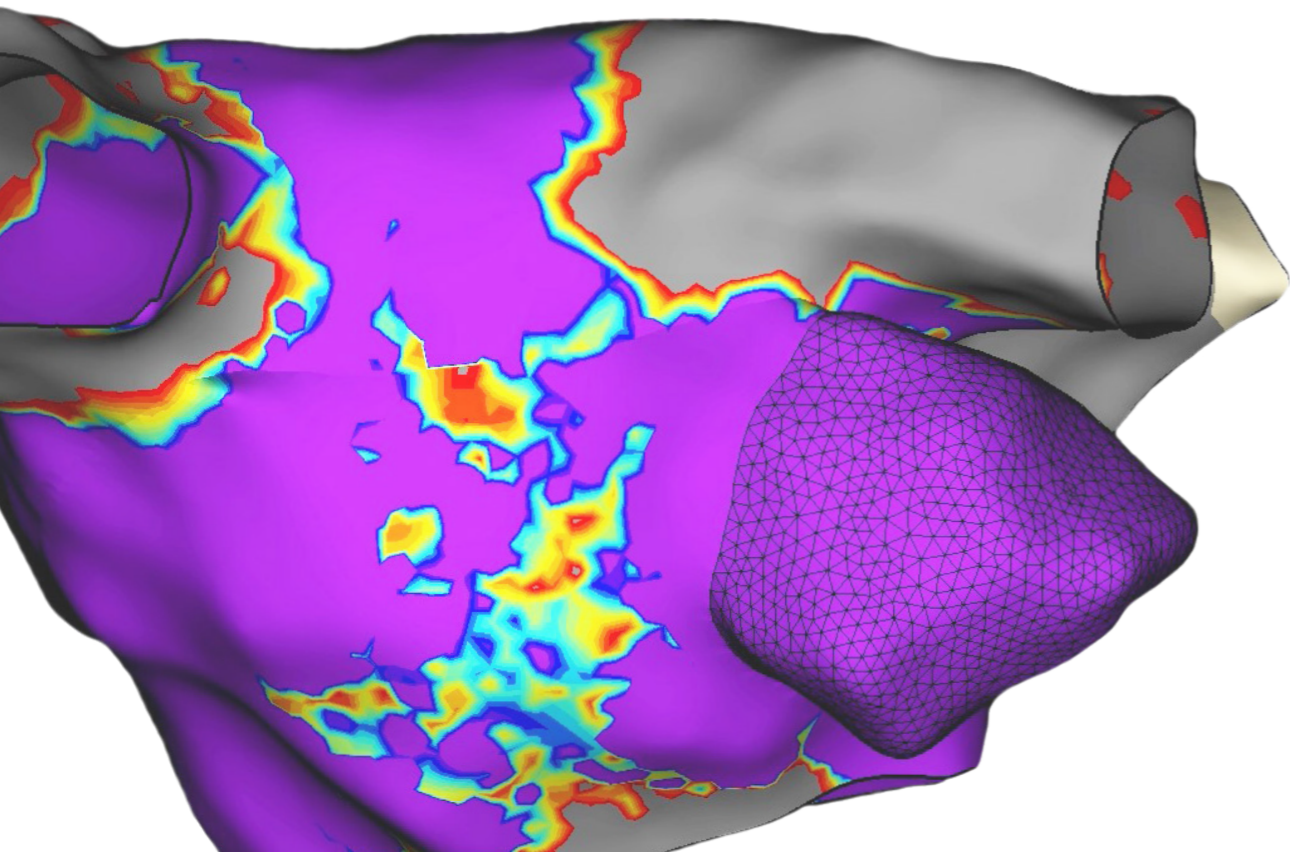# MAPPING WITHOUT COMPROMISE

ENSITE™ X EP SYSTEM WITH
ENSITE™ OMNIPOLAR TECHNOLOGY (OT)

POWERFUL.
RELIABLE.
EFFICIENT.

Revolutionize high-density cardiac mapping with the EnSite™ X EP System and EnSite™ Omnipolar Technology (OT) – a next generation 3D mapping platform created to give you a **POWERFUL**, **RELIABLE** and **EFFICIENT** user experience for every procedure.

VOXELS

MAP ANY ARRHYTHMIA WITHOUT COMPROMISE

Unleash the **POWER** of the Advisor™ HD Grid Mapping Catheter, Sensor Enabled™ and EnSite OT, and EnSite™ OT Near Field to revolutionize high density mapping

Experience **RELIABLE** stability in all procedures with EnSite™ VoXel Mode – allowing users to collect data using magnetic-based coordinates to provide accurate and linear visualization

Ease system setup and improve operator **EFFICIENCY**[1] with a completely redesigned platform

POWERFUL

TRUE ELECTROGRAMS*
WITH ENSITE™ OMNIPOLAR
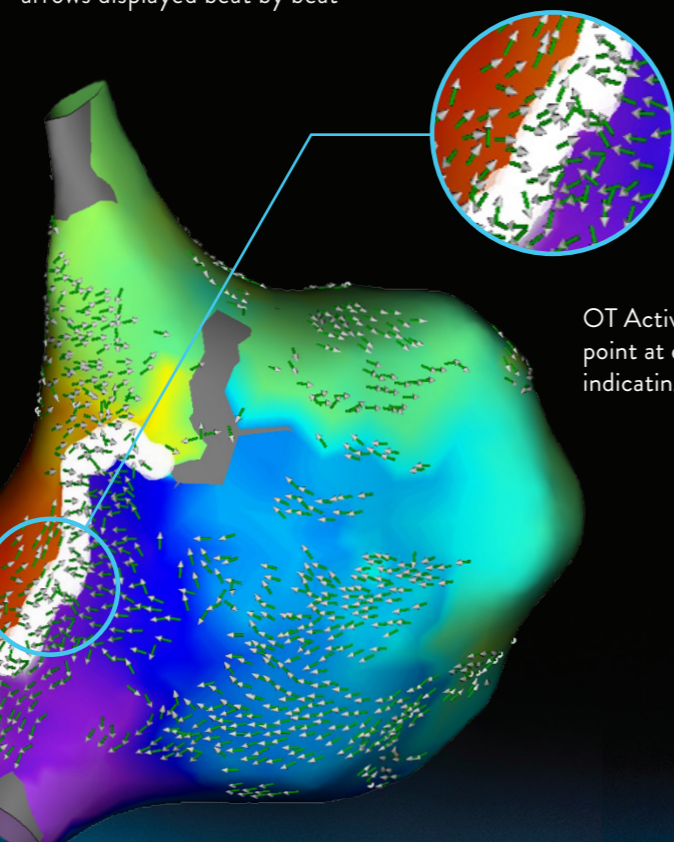## TECHNOLOGY (OT)

Accelerate diagnosis & treatment decisions through accurate mapping with EnSite OT and the Advisor™ HD Grid Mapping Catheter, Sensor Enabled™[2]

IDENTIFY TRUE, LOCAL
annotation-independent tissue characteristics[2]

SEE EVERY SIGNAL IN 360 DEGREES –
capturing signals that no other mapping technology can see**

GAIN INSTANT NEW PERSPECTIVE OF WAVEFRONT DIRECTION
with activation direction arrows displayed beat by beat

ENHANCE MAP ACCURACY
with 3x increase in point density per acquisition***[2]

OT Activation Vectors point at each other indicating line of block

WHAT IS OMNIPOLAR TECHNOLOGY?

Omnipolar technology accelerates diagnosis and treatment decisions by providing a new way to calculate bipolar electrograms that are independent from catheter-wavefront orientation.

OT, in combination with EnSite™ LiveView Dynamic Display, provides instantaneous beat-by-beat visualization of activation direction and maximum voltage calculated in 360 degrees for accurate, high-density mapping.

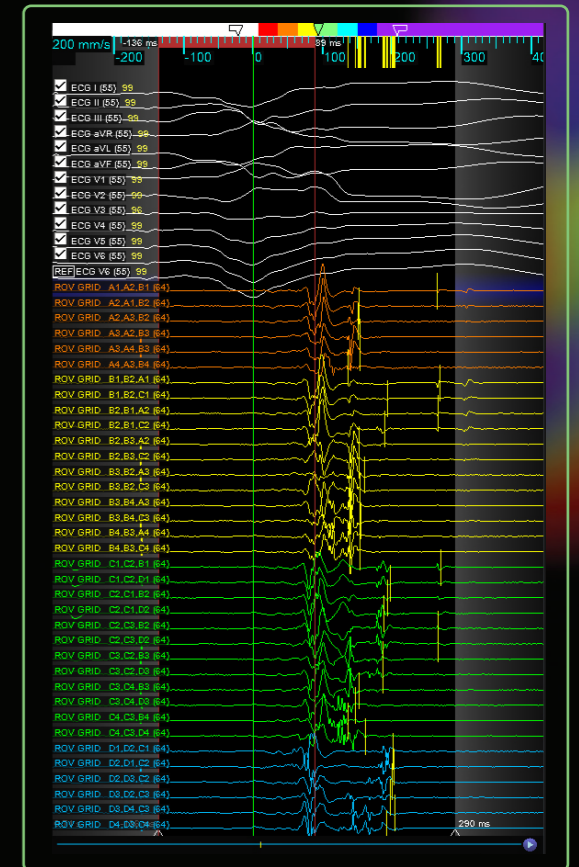## TRUST YOUR MAP:
ABLATE WHERE IT MATTERS

FIRST AND ONLY SYSTEM TO ANNOTATE EARLY AND LATE OMNIPOLAR SIGNALS

EnSite™ X Software Version 3 introduces features that combine the revolution of omnipolar technology with first and last deflection algorithms

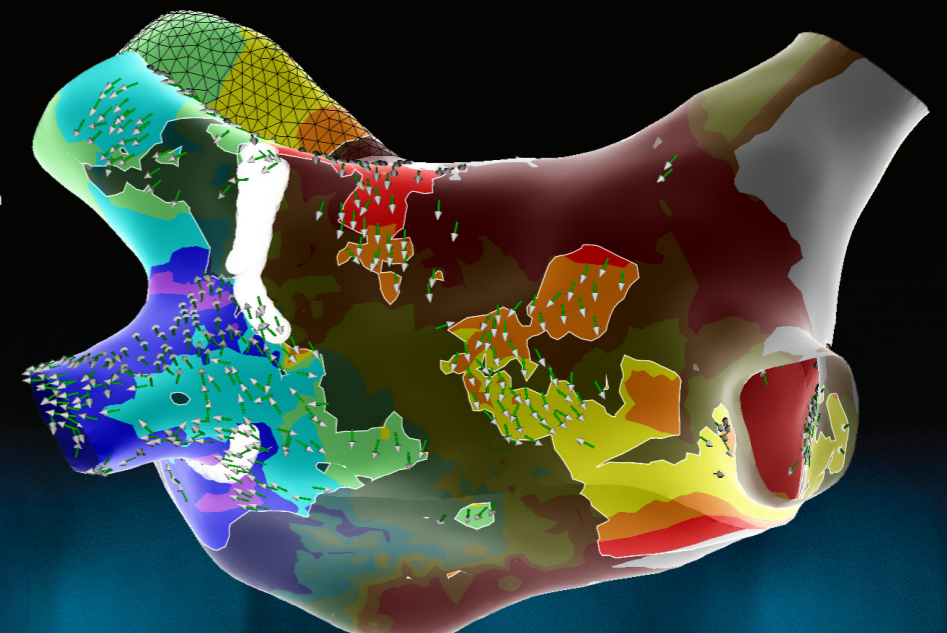### TRUE LOCALIZE SIGNALS, MORE CONFIDENT INSIGHTS

Deliver **more confident insights** by revealing localized electrical specificity automatically with **EnSite OT Near Field**. Further building on the EnSite™ Omnipolar Technology revolution, EnSite OT Near Field is a new mapping technology that automates point annotation by isolating **true localized signals.**

- **SIMPLE, OBJECTIVE AND AUTOMATED** assessment of near field signals

- **GAIN UNIQUE INSIGHTS ON A SUBSTRATE AND TISSUE CONTACT** with new peak frequency data points

- **STREAMLINE MAP INTERPRETATION** by emphasizing key information in related data sets

Early and late omnipole signals correctly and automatically annotated using first and last deflection algorithms

Validate pulmonary vein isolation (PVI) with Peak Frequency and Emphasis Maps, differentiating between PV gaps and far field components instantly

*OT captures true signals independent of catheter orientation relative to the wavefront.
**Every signal can be defined as any signal seen on the RAI window recorded by the HD Grid mapping catheter when the map polarity is set to omnipolar.
***As compared to the use of traditional bipole mapping.

RELIABLE

CLEANER MAPS WITH AUTOMATIC REMOVAL OF OUTLIERS

Your map is ready faster with outlier filtering that reduces editing time

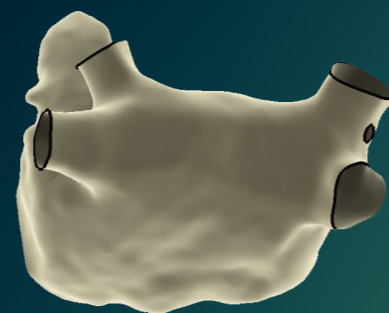## TRUST MODEL AND LOCATION ACCURACY OVER TIME

OVERCOME STABILITY CHALLENGES

with changes in patient management and EP lab environment variables, using the **EnSite VoXel Mode**

- **IMPROVE STABILITY AND CAPTURE DATA FASTER**[1]
  with the new RespCompX algorithm by collecting points throughout the entire respiratory cycle

- **MINIMIZE CASE DISRUPTION**
  due to patient movement, even after cardioversion

- **ACCURATELY COLLECT DATA**
  throughout the procedure by reducing the impact of environmental changes caused by metal distortion
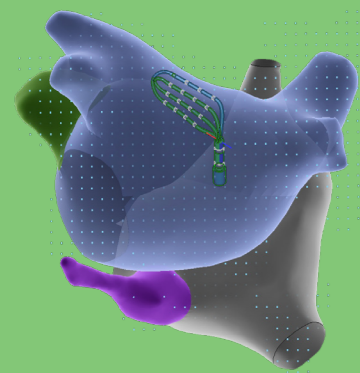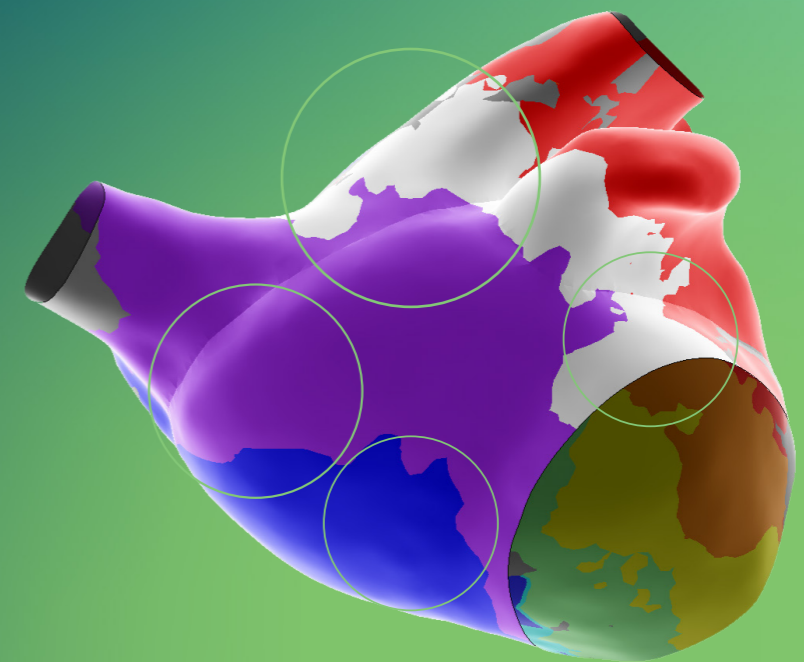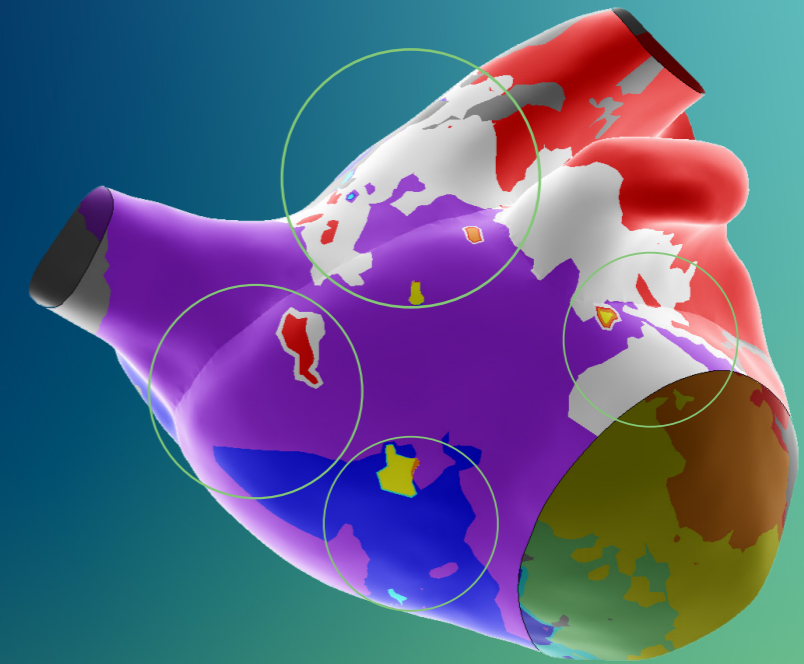
INTRODUCING ENSITE™ VOXEL MODE

WHAT IS A VOXEL?

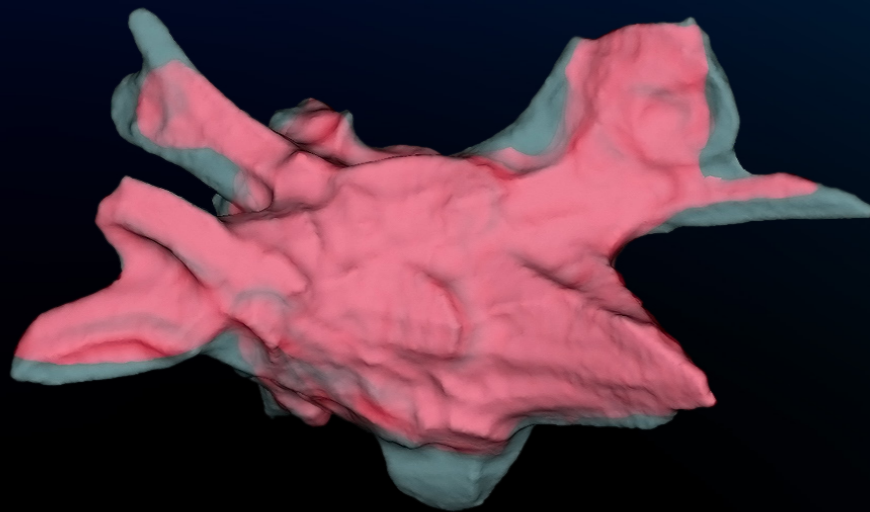In computer graphics, a voxel is a three-dimensional (3D) point in space.

WHAT IS ENSITE VOXEL MODE?

EnSite VoXel Mode allows user to collect modeling data using magnetic-based coordinates to provide accurate and linear visualization.

CT Image

Model Accuracy with
EnSite VoXel Mode

EFFICIENT

DRIVE EFFICIENCY WITH SINGLE-CLICK MODEL REFINEMENT

EnSite™ X Software Version 3 adds the ability to apply only points collected at end-expiration with a single click

Grey area filtered out with single click model refinement, reducing bloat

A SYSTEM BUILT TO LAST

Next generation platform with annual software release cadence

Enhanced cybersecurity capabilities including access restrictions, white listing and strengthened patient data protection

EASE SYSTEM SETUP WITH SIMPLIFIED CONNECTOLOGY AND A COMPLETELY REDESIGNED PLATFORM

50%

REDUCE THE NUMBER OF CONNECTIONS BY UP TO 50%[†] to facilitate a faster, easier system setup

94%

94% of operators saw **IMPROVED SYSTEM USABILITY** with an optimized software user interface[4]

93%

93% of users agreed the new system setup allows for **FASTER TROUBLESHOOTING** and **MINIMIZED DOWNTIME**[4]

CONTINUAL, CONVENIENT PRODUCT COVERAGE[††]

Entitlement	1-, 2- or 3-year Terms Basic Assurance™	1-, 2- or 3-year Terms Assurance™ Plus	1-, 2- or 3-year Terms Assurance™ Premium	3-year Term Only Endurance™ Plus
Technology Performance Package				✓
Standard Software Upgrades (e.g., v.1.0 to v.2.0)		✓	✓	✓
Preventive Maintenance (one visit/year)		✓	✓	✓
On-site Service and Repair (if necessary)	72-hour Response	48-hour Response	24-hour Response	24-hour Response
Telephone Technical Support	✓	✓	✓	✓
Expansion Modules[†††]			✓	✓
Hardware Upgrades and Revisions[†††]			Discounted	
Next Generation Hardware Iterations[†††]			Discounted	

BOLD SOLUTIONS
TO CHALLENGE AFIB

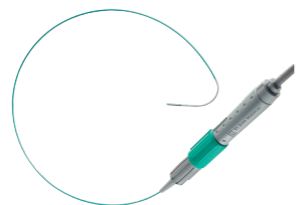| ACCESS	IMAGING	TRANSSEPTAL	MAPPING	ABLATION	LAAO	VASCULAR CLOSURE	MONITORING
Agilis™ NxT Steerable Introducer	ViewMate™ Ultrasound Console	BRK™ Transseptal Needles	Advisor™ HD Grid Mapping Catheter, Sensor Enabled™	FlexAbility™ Irrigated Ablation Catheter, Sensor Enabled™	Amplatzer™ Amulet™ LAA Occluder	Perclose™ ProStyle™ Suture-Mediated Closure and Repair System	Jot Dx™ Insertable Cardiac Monitor
ViewFlex™ Xtra ICE Catheter			EnSite™ X EP System	TactiFlex™ Ablation Catheter, Sensor Enabled™			

1. Abbott. Data on File. Document #90471779; Abbott. Data on File. Document #90529279; Abbott. Data on File. Document #90529261.
2. Deno, D. C., Bhaskaran, A., Morgan, D. J., Goksu, F., Batman, K., Olson, G. K., . . . Nanthakumar, K. (2020). High-resolution, live, directional mapping. Heart Rhythm, 17(9), 1621-1628.
   doi:10.1016/j.hrthm.2020.04.039
3. Abbott. Data on File. Document #90569806.
4. Abbott. Data on File. Document #90471779.

Rx Only. Brief Summary: Prior to using these devices, please review the Instructions for Use for a complete listing of indications, contraindications, warnings, precautions, potential adverse events, and directions for use.

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