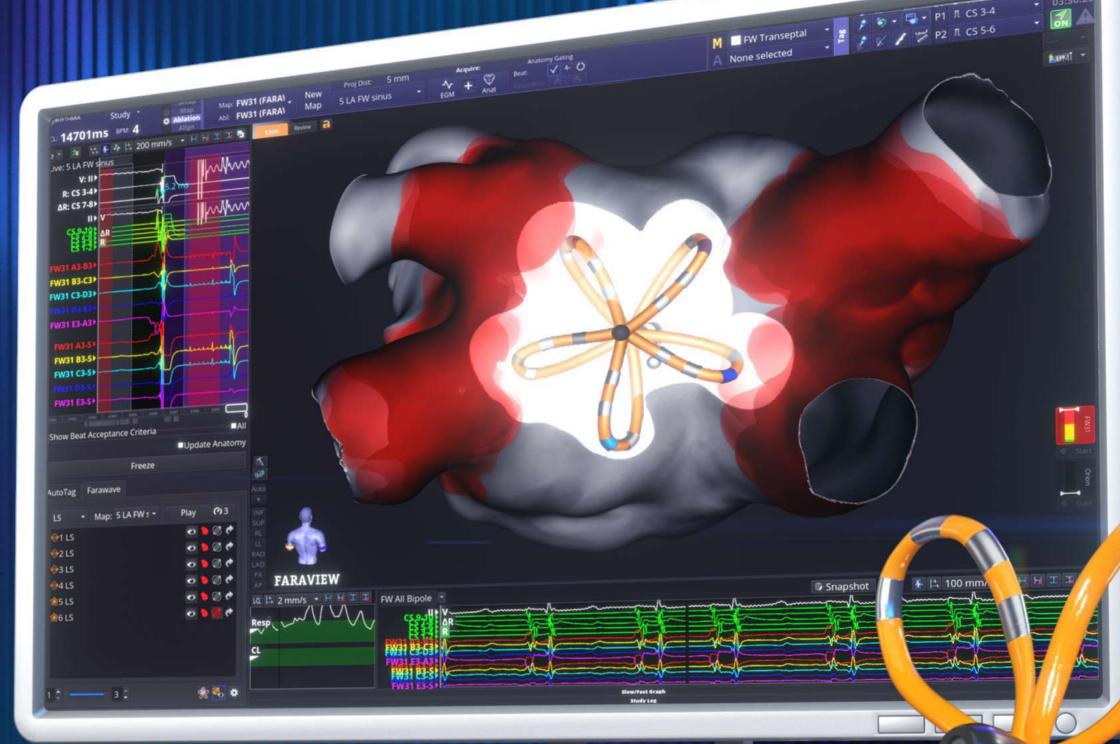
SBoston Scientific

Advancing science for life™



The leading PFA System, now integrated.

eDetail









FARAVIEW SOFTWARE MODULE

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The Future is FARAPULSE PFA

Leadership in PFA Education







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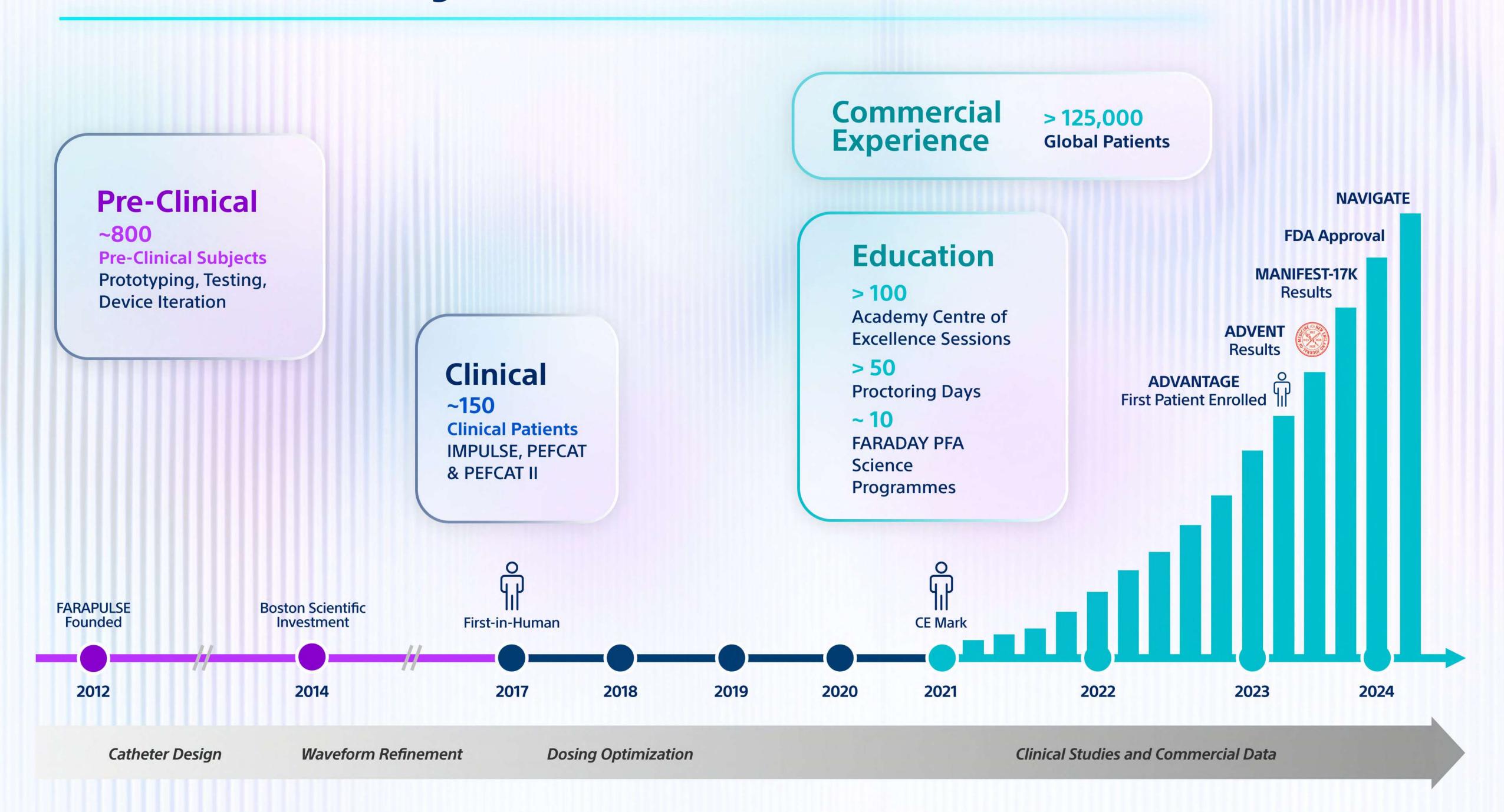
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All PFA are Unique

FARAPULSE™ PFA Therapy

Evolution of FARAPULSE PFA Portfolio

FARAPULSE: Advancing AF Ablation with Over a Decade of PFA Innovation









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FARAPULSE: Leading the Way in PFA

Maximizing clinical outcomes with robust clinical evidence



With over 125,000 patients treated, FARAPULSE PFA is the most studied and clinically proven PFA system on the market.

Ensure access to the latest technology for patients suffering from Atrial Fibrillation:

- Optimized PFA workflow
- 125,000+ patients treated globally
- 120+ publications









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All PFA are Unique

FARAPULSE™ PFA Therapy

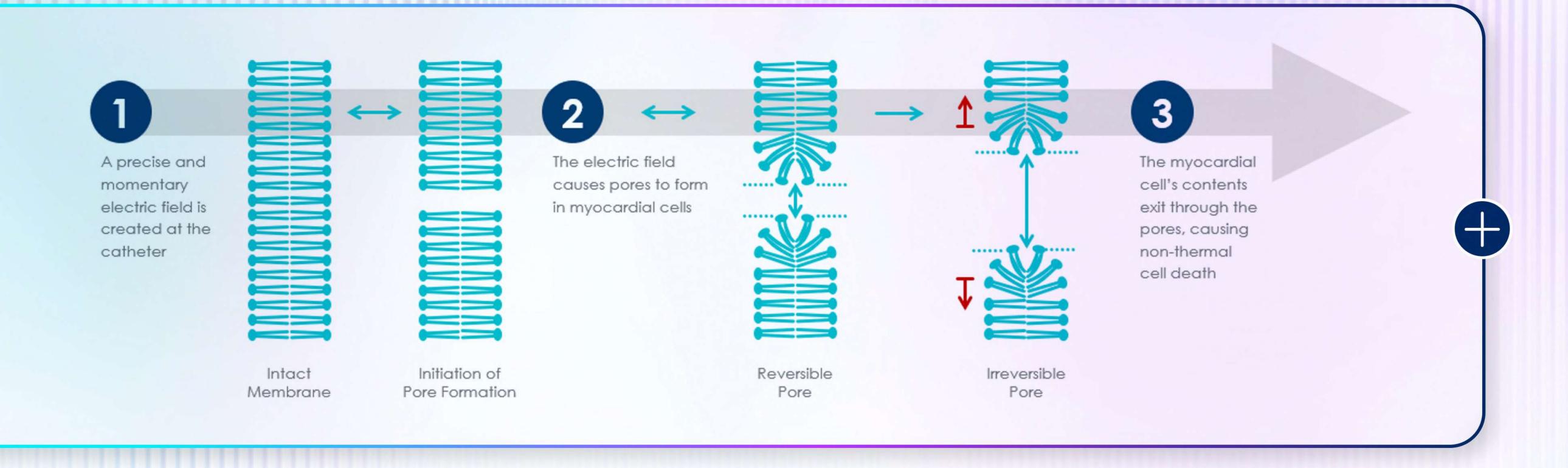
Evolution of FARAPULSE PFA Portfolio

Pulsed Field Ablation Mechanism of Action

PFA is a non-thermal mechanism of ablation

Irreversible Electroporation

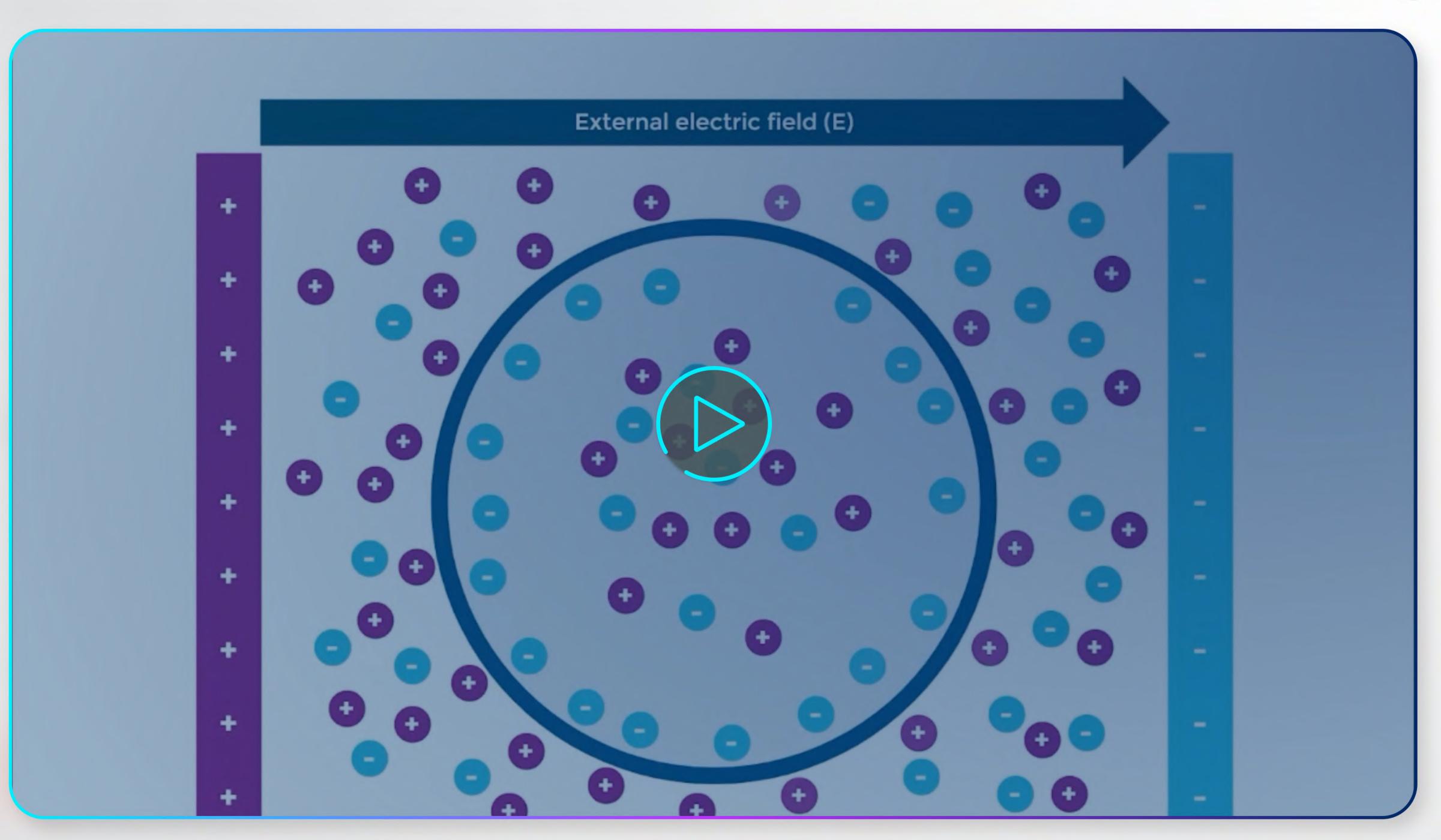
Cell membrane pore formation & cell death occurs with sufficient electric field



Yarmush et al. Annu. Rev. B Electroporation-Based Technologies for Medicine: Principles, Applications, and Challenges, iomed. Eng. 2014. 16:295–320. T. Kotnik et al, Cell membrane electroporation- Part 1: The phenomenon, IEEE Electrical Insulation Magazine, Vol. 28, No. 5 p. 14-23, 2012.

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Catheter Variable Deployment

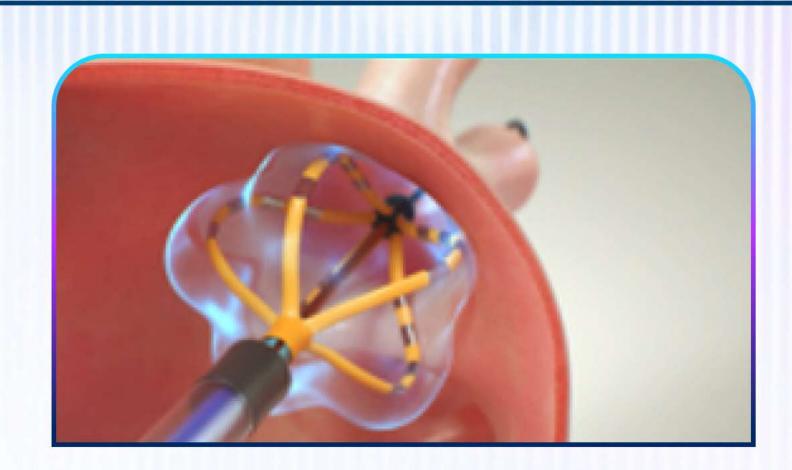
Basket/flower design to treat variety of anatomies

Reproducible Workflow validated in randomised trials - 96% durable PVI @ 3 months with remap¹ 4 pairs per vein (8 total applications):

BASKET POSITION

Ostial positioning & centering capability

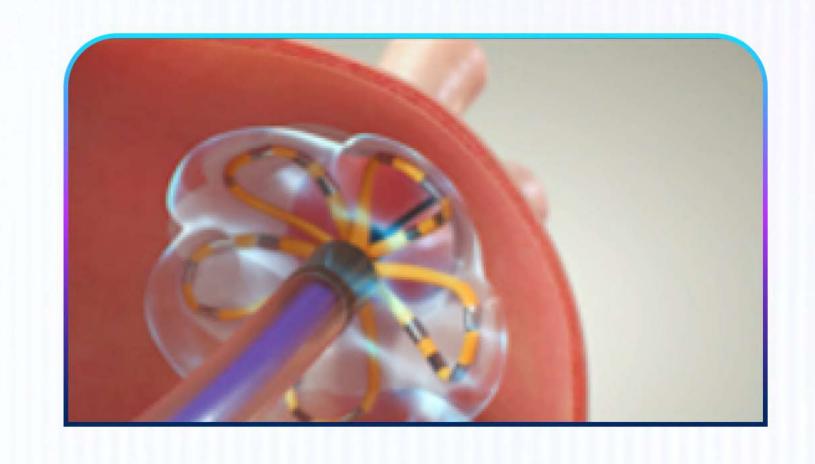
Basket: 2x applications - Rotate - 2x applications



FLOWER POSITION

Antral positioning & radially widest

Flower: 2x applications - Rotate - 2x applications



1. Reddy et al., Pulsed Field Ablation of Paroxysmal Atrial Fibrillation: 1-Year Outcomes of IMPULSE, PEFCAT, and PEFCAT II JACC: Clinical Electrophysiology 7.5 (2021): 614-627.







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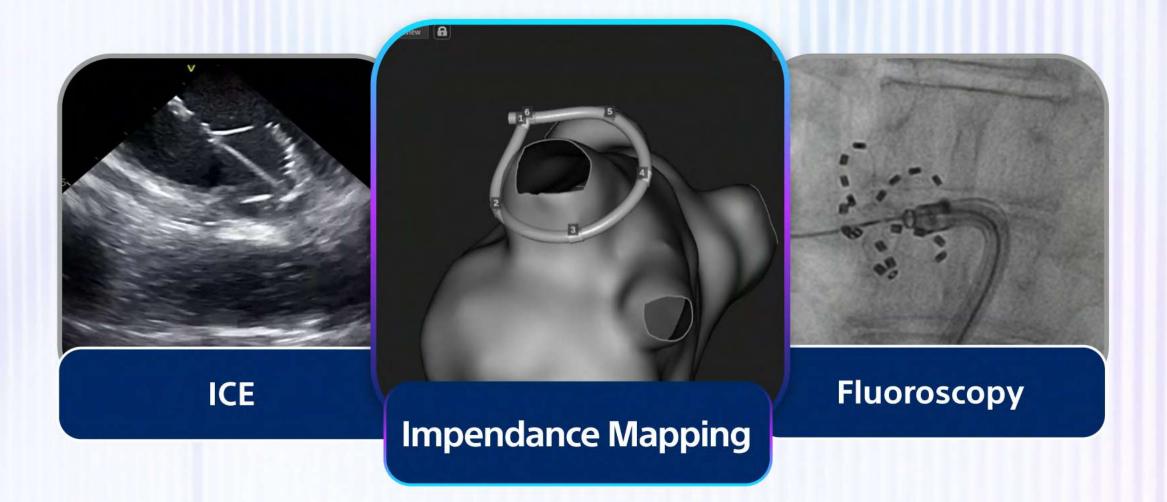
Evolution of FARAPULSE PFA Portfolio

Supporting consistent, efficient workflows

Today with FARAWAVE

Workflow options for all physicians

>125,000 patients treated with a variety of imaging



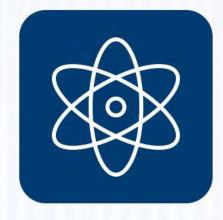
BUT THERE ARE LIMITATIONS IN MAPPING



Limitations in mapping and ablation capabilities



Cross company integrations are impedance tracked and limited capabilities



Tagging is based upon legacy RF Workflow





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All PFA are Unique

FARAPULSE™ PFA Therapy

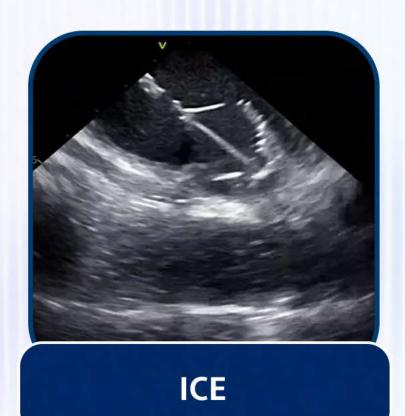
Evolution of FARAPULSE PFA Portfolio

FARAPULSE Your Way

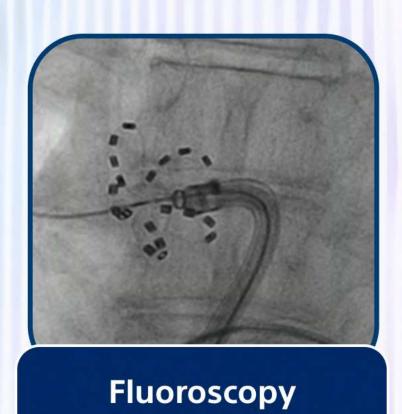
Expanding workflow options

Today with FARAWAVE

Workflow options for all physicians >125,000 patients treated with a variety of imaging



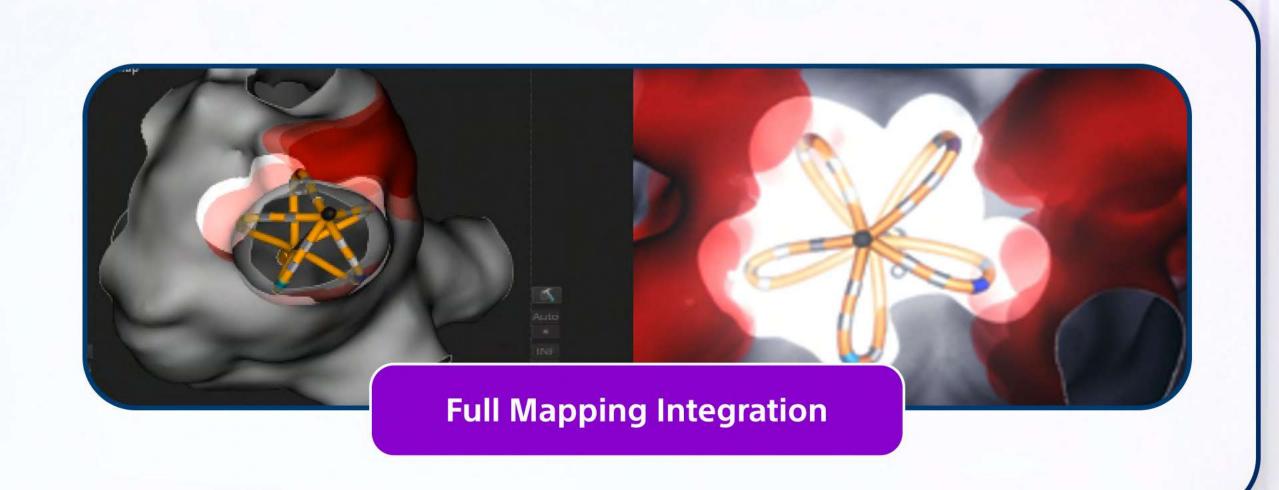
Impendance Mapping



FARAWAVE NAV with FARAVIEW

Mapping integration for optimized, efficient procedures

Precise 3D mapping with FARAVIEW™







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Evolution of FARAPULSE PFA Portfolio

The Leading PFA System, Now Integrated

Visualize catheter rotation, shape, position, and orientation in real-time with the FARAVIEW Software Module









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Map and Ablate with FARAWAVE™ NAV

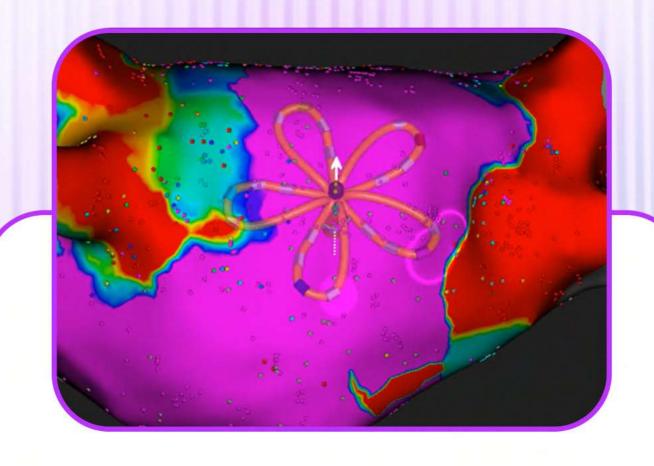
Dynamic Shape Visualisation

FIELDTAG™ Technology

System Overview

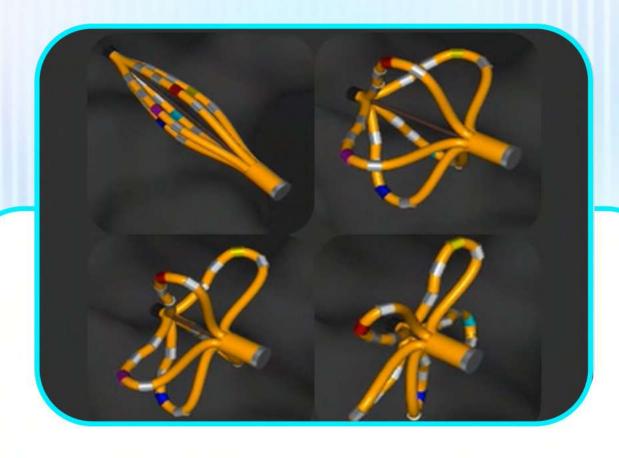
FARAVIEW Software Module

OPAL HDx™ Mapping System: A full-spectrum experience at the leading edge of FARAPULSE PFA



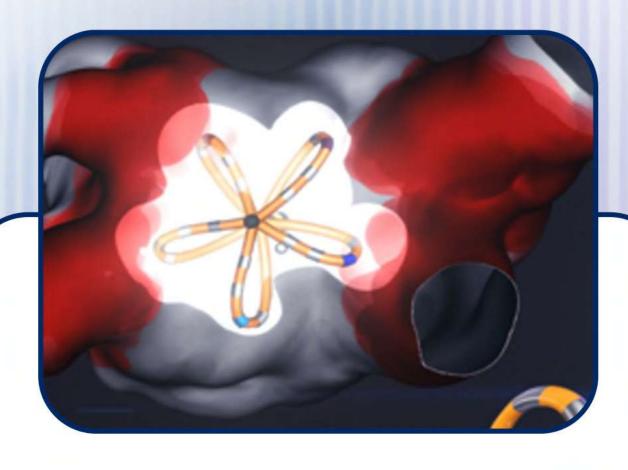
Map and Ablate with FARAWAVE NAV

Reduce need for an additional mapping catheter



Dynamic Shape Visualisation

Enable fluoro reduction with an enhanced understanding of catheter shape, positioning, and rotation



Automated FIELDTAG

Estimate size and shape of the pulsed field;
Track workflow completion and location overlap





FARAVIEW SOFTWARE MODULE

REAL WORLD EXPERIENCE

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Map and Ablate with FARAWAVE™ NAV

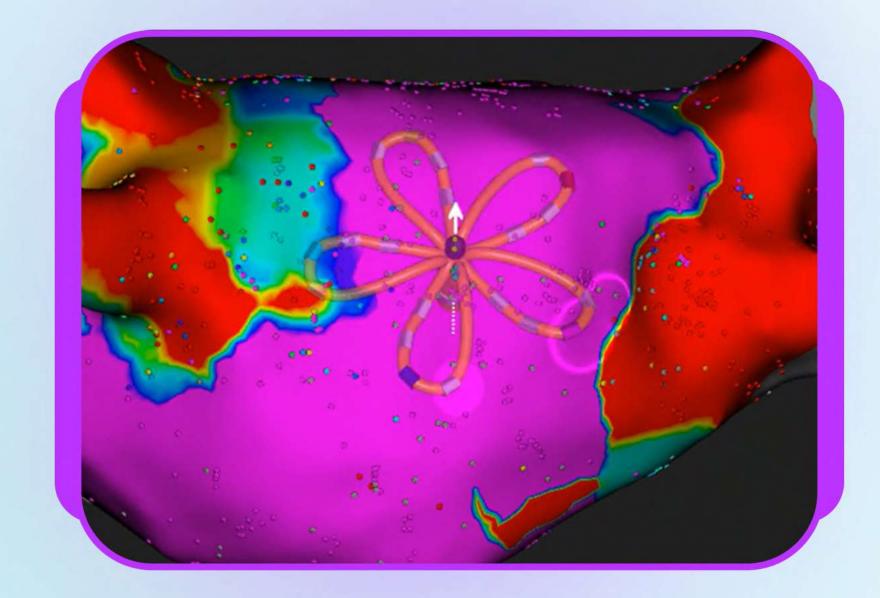
Dynamic Shape Visualisation

FIELDTAG™ Technology

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Map and Ablate with FARAWAVE NAV

The FARAVIEW software module and FARAWAVE NAV empower a seamless PFA workflow

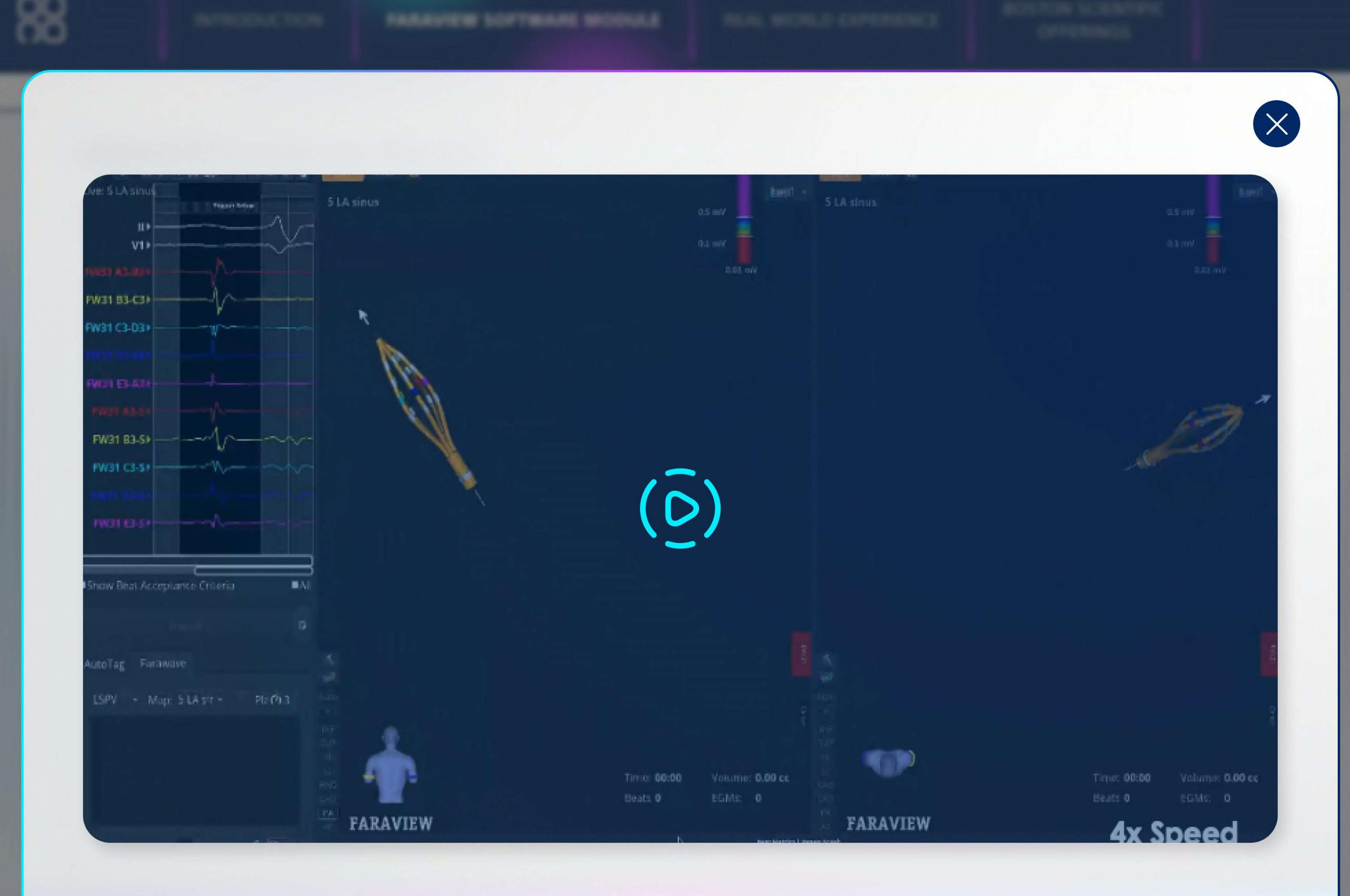


Support a single map and ablate catheter workflow

- Maintain current workflow simplicity while maximizing procedure reproducibility.
- Create anatomy, voltage, and activation maps with FARAWAVE NAV, limiting the need for an additional mapping catheter.



See FARAWAVE NAV Catheter Mapping in action



Map and Ablate

PROBLEM

What are your concerns about the need for catheter exchange / to use an extra catheter during a PFA mapped procedure?

IMPLICATION

What is the potential impact of using two catheters in the same procedure?

NPO - CLARIFYING

Do you think having an integrated PFA mapping system will have a beneficial impact upon your daily practice?

BENEFITS STATEMENT

With the FARAVIEW software module and the FARAWAVE NAV catheter, you will be able to map and ablate with a single catheter, reducing the need to open an additional NAV mapping catheter, and therefore reducing overall consumable cost and the need of exchanging catheters in the left atrium.





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Map and Ablate with FARAWAVE™ NAV

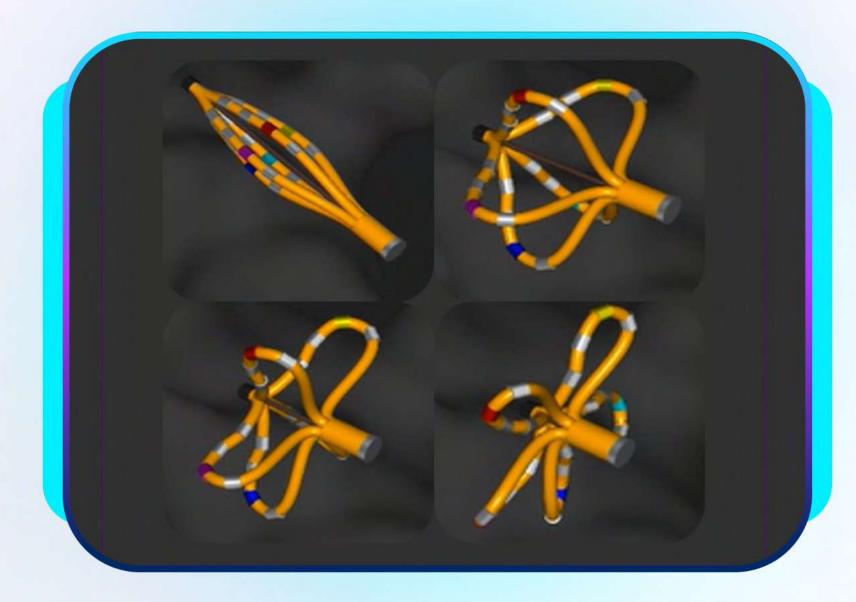
Dynamic Shape Visualisation

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Dynamic Shape Visualisation

Transform your visual experience with the FARAVIEW Software Module

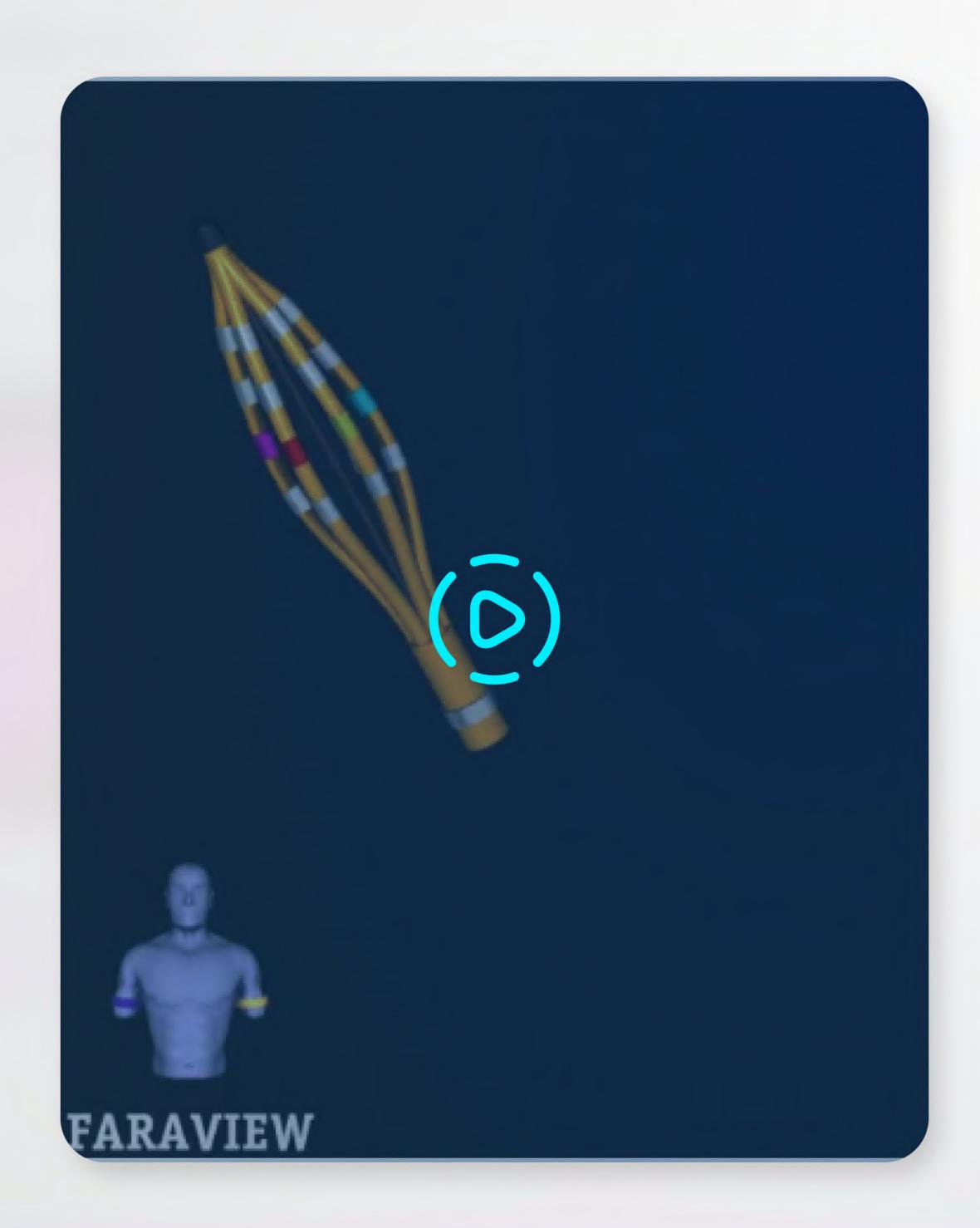


Visualise catheter shape, position and rotation enabling fluoro reduction

- FARAVIEW delivers an enhanced understanding of the catheter's current shape, positioning and rotation—with a potential to reduce the use of fluoro during procedures.
- Designed specifically for the unique shapes of the FARAWAVE NAV catheter, FARAVIEW provides operators with valuable insights to assess spline distribution, petal deflection, flower bias and sheath location.



See Dynamic Shape Visualisation in action





Dynamic shape visualisation

PROBLEM

During your mapped PFA procedure, how concerned are you with the limited catheter visualisation?

IMPLICATION

During your mapped PFA procedure, what is the potential impact of having a limited visualisation of the catheter shape, position and rotation?

NPO - CLARIFYING

How important is for you to have an accurate visualisation of the catheter and optimize catheter position, while reducing the fluoroscopy time?

NPO - EXTENDING

Would an enhanced catheter visualisation have procedural benefits, or efficiency gains?

BENEFITS STATEMENT

With the FARAVIEW software module and the FARAWAVE NAV catheter you have dynamic shape visualisation, which helps in the understanding of the catheters shape, positioning and rotation. The dynamic shape visualisation provides operators with valuable insights to assess spline distribution, petal deflection, flower bias and sheath location, and it's hugely beneficial when optimising catheter position, placement, and rotation – which in turn will aid in the reduction of fluoroscopy.









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Map and Ablate with FARAWAVE™ NAV

Dynamic Shape Visualisation

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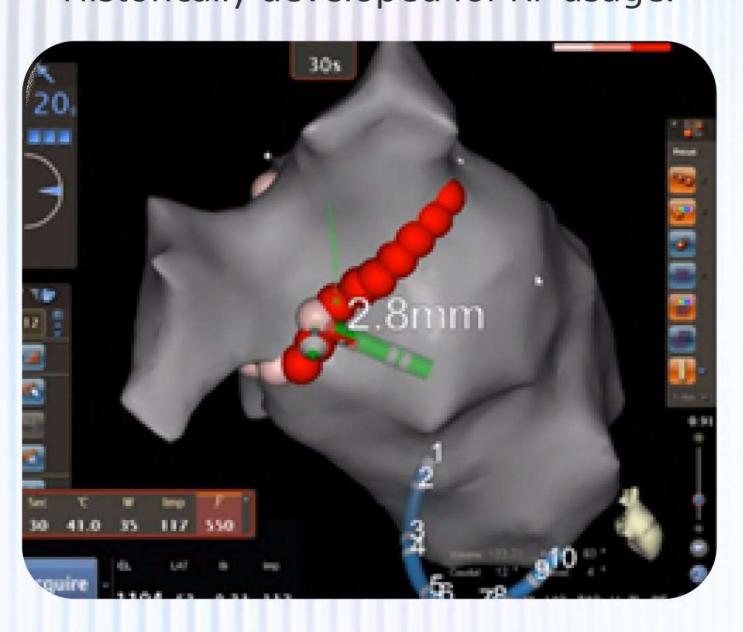
Automated FIELDTAG

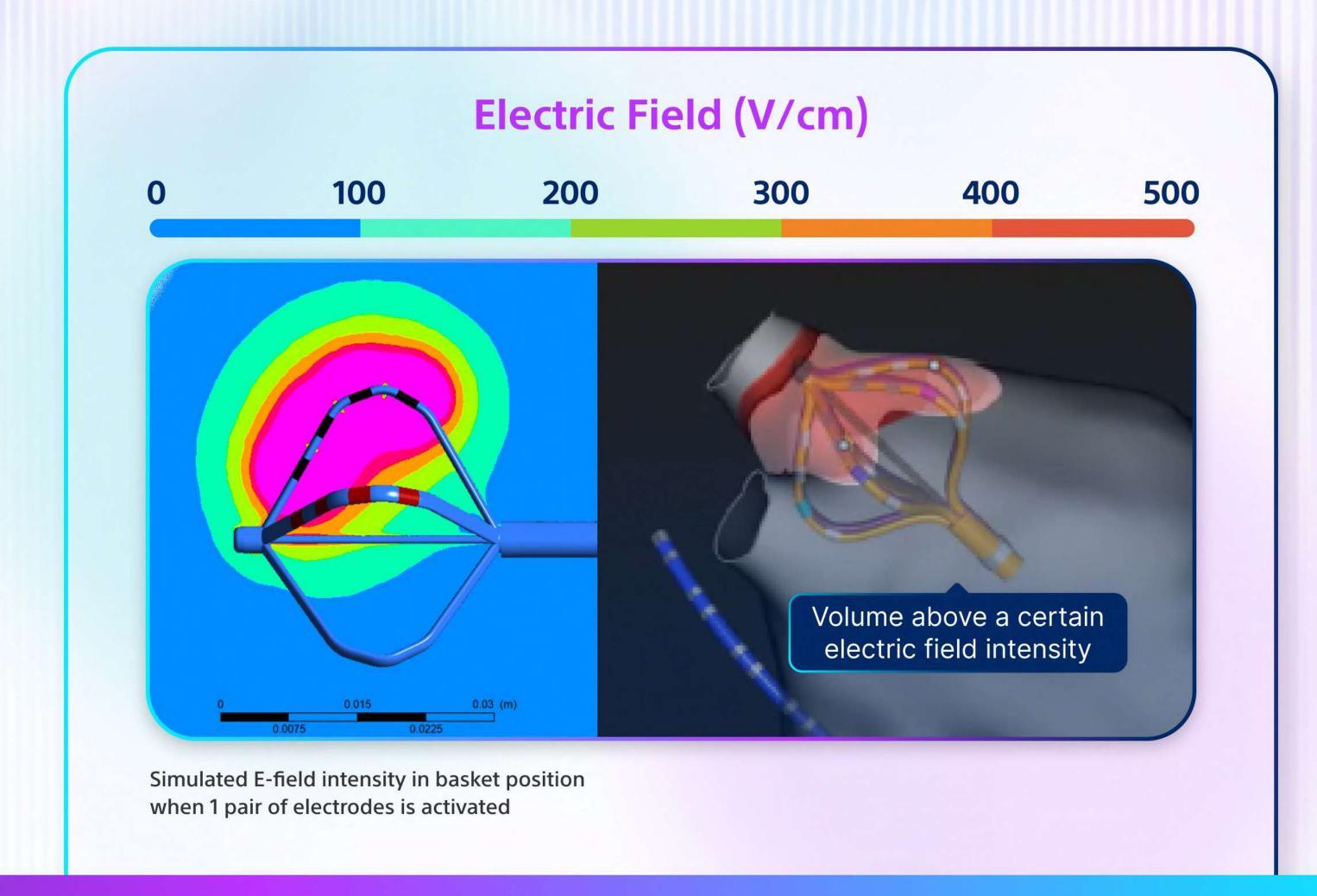
Intuitive FIELDTAG, designed specifically for PFA

Why FIELDTAG ablation marking? To ensure a durable lesion, PFA requires:

- A minimum electric field intensity known as THRESHOLD.
- A minimum number of applications.

Ablation tag modalities. Historically developed for RF usage.





Automated FIELDTAG

PROBLEM

How concerned are you about the current limitation of mapping system ablation tag in PFA mapped procedures?

IMPLICATION

What is the potential impact of the limited ablation tag in tracking PFA delivery?

NPO - CLARIFYING

How important is for you the information provided by the mapping system ablation tag?

BENEFITS STATEMENT

Our FIELDTAG ablation markings help you understanding the area of cardiac tissue that is in proximity of the electric field, and the number of applications that a specific region of tissue receives.

Our Automated FIELDTAG estimate the size and shape of the pulse field. So, you can PLAN the estimated ablation field, EXCUTE and tag the applications, and CONFIRM you have sufficient position and overlap of your ablations.







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Map and Ablate with FARAWAVE™ NAV

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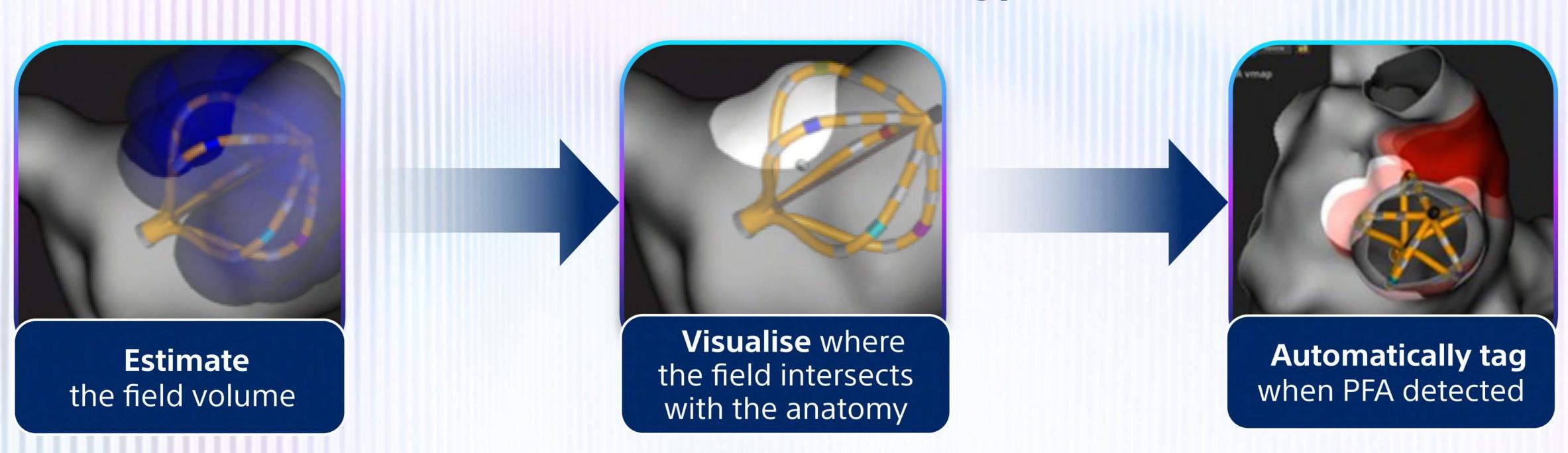
FIELDTAG™ Technology

System Overview

Automated FIELDTAG

Tagging redesigned for a PFA workflow

How does FIELDTAG Technology work?



FIELDTAG help to understand the area of cardiac tissue that is above an electric field intensity and the number of applications that a specific region of tissue received.





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Map and Ablate with FARAWAVE™ NAV

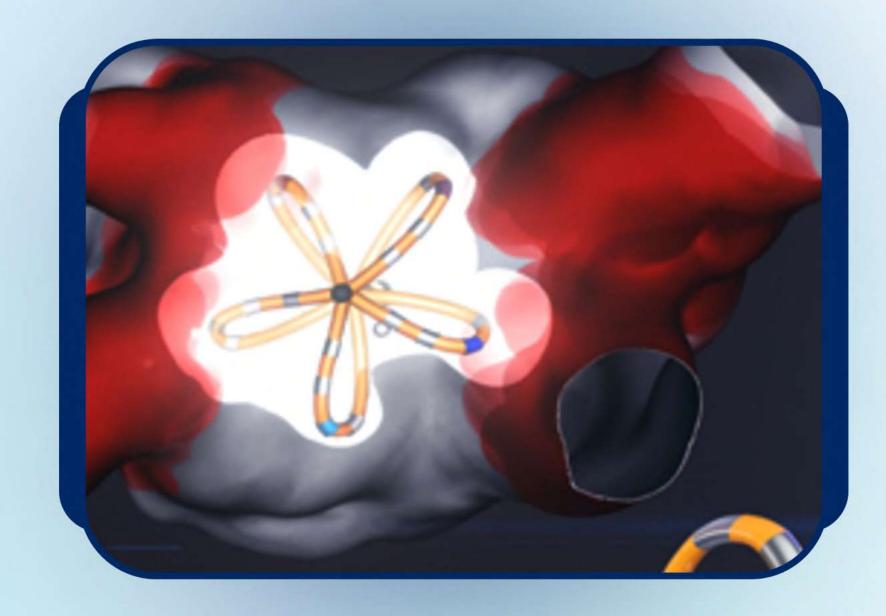
Dynamic Shape Visualisation

FIELDTAG™ Technology

System Overview

Automated FIELDTAG

Guide your workflow with intuitive FIELDTAG



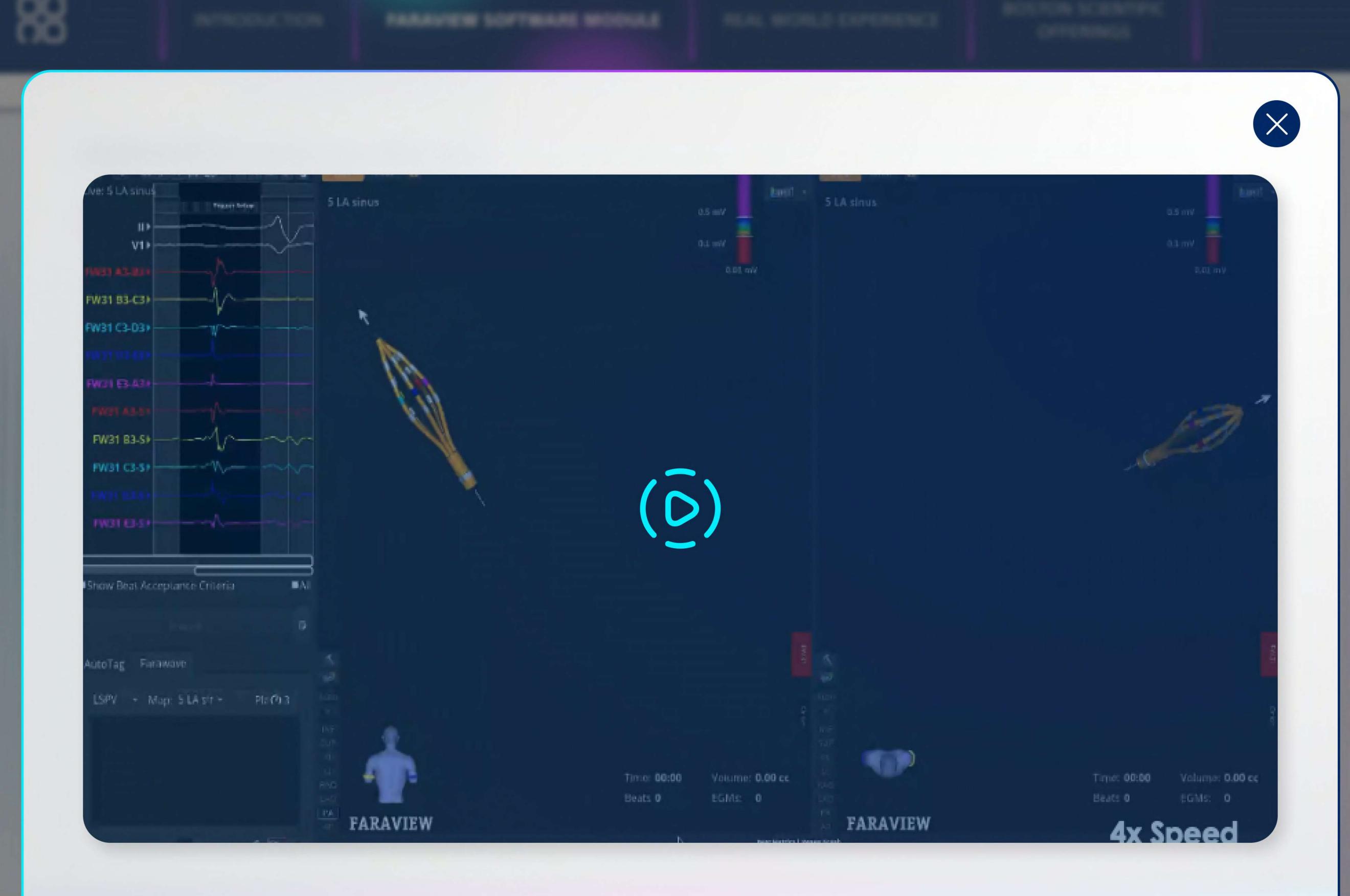
Estimate the size and shape of the pulsed fields

Plan, Execute & Confirm with FIELDTAG Technology:

- Plan: estimate field volume and visualise where the pulsed field will intersect with the anatomy.
- Execute: FARAVIEW automatically indicates when PFA is delivered and applies intuitive FIELDTAG.
- Confirm: FIELDTAG provides confirmation of sufficient overlap between ablations.



See Automated FIELDTAG in action







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Map and Ablate with FARAWAVE™ NAV

Dynamic Shape Visualisation

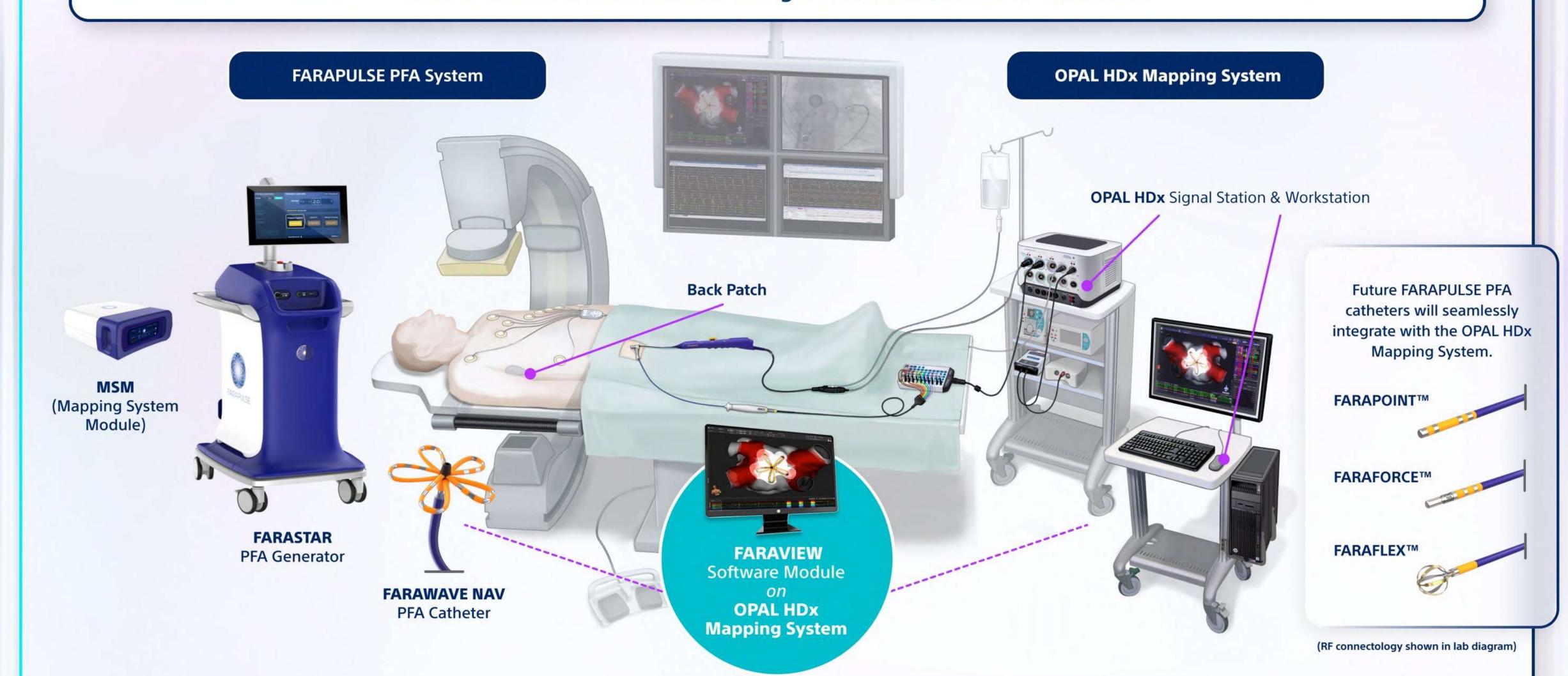
FIELDTAG™ Technology

System Overview

FARAVIEW, FARAWAVE NAV & OPAL HDx™ Mapping System

Seamless mapping experience at the leading edge of PFA

The FARAVIEW Software Module on the OPAL HDx Mapping System enables mapping-integrated FARAPULSE PFA workflows using the FARAWAVE NAV Catheter.







FARAVIEW SOFTWARE MODULE

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Map and Ablate with FARAWAVE™ NAV

Dynamic Shape Visualisation

FIELDTAG™ Technology

System Overview

The leading PFA System, now integrated.

FARADRIVE™

Steerable Sheath



Steerable sheath designed to navigate the FARAWAVE catheter to targeted cardiac anatomy.

FARAWAVE™ NAV

Pulsed Field Ablation Catheter



Over-the-wire PFA catheter
with distal end variable
morphology designed
to treat a range of
PV anatomies.

FARASTARTM

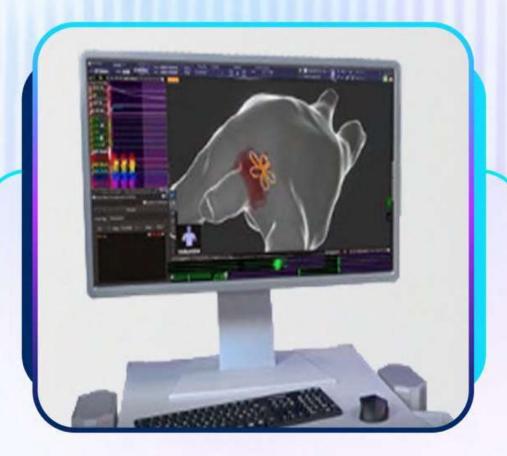
Pulsed Field Ablation Generator



Bipolar & biphasic waveform generator designed to deliver proprietary PFA therapy through the FARAWAVE catheter.

FARAVIEWTM

Software Module



An integrated mapping module used to visualize the placement, shape, rotation, field application and more of the FARAWAVE NAV catheter.



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Map and Ablate with FARAWAVE™ NAV

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FIELDTAG™ Technology

System Overview

FARAWAVE NAV

Additional enhancements in catheter design

NAV Sensor

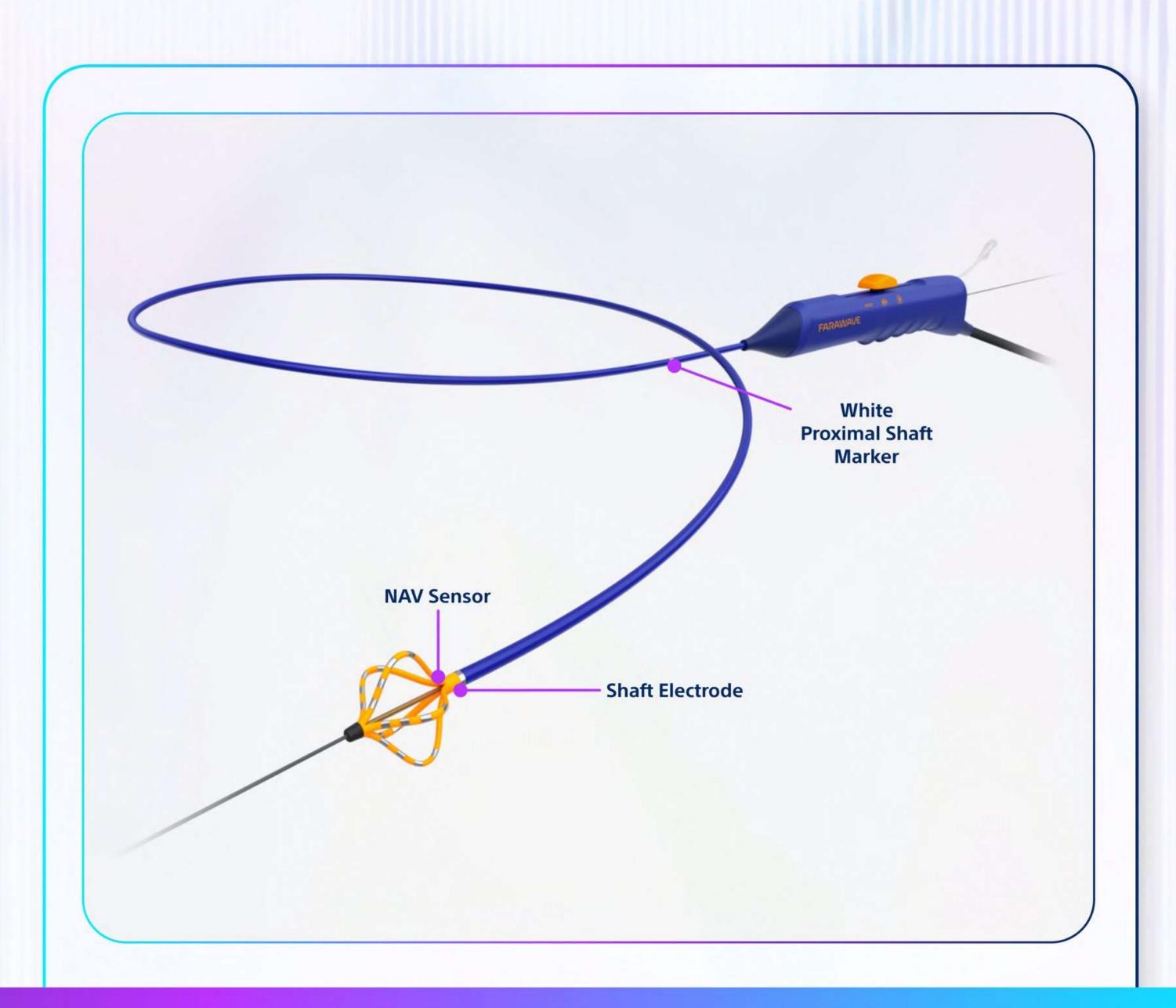
Used for catheter tracking and 3D EAM mapping; guide catheter rotations between PFA deliveries.

Shaft Electrode

Enables sheath detection; used with spline electrodes to render basket shape detection and uniform petal deflection.

Proximal Marker Band

Visual indicator when catheter tip position is within the steerable region of the FARADRIVE sheath.









FARAVIEW SOFTWARE MODULE

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Map and Ablate with FARAWAVE™ NAV

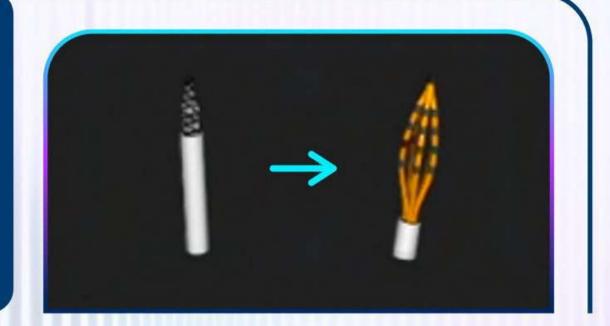
Dynamic Shape Visualisation

FIELDTAG™ Technology

System Overview

FARAVIEW is Designed to Enhance the FARAPULSE Mapped Procedure

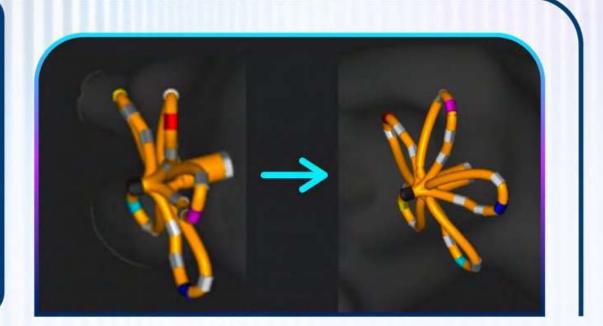
DETECT SHEATH
COVERAGE DURING
NAVIGATION



Understand sheath location

Utilizing shaft electrode and spline electrode

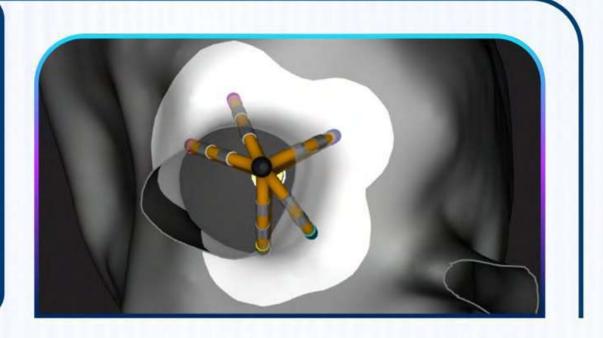
GUIDE POSITIONING
AND CONTACT IN FLOWER



Visualise petal deflection

Uniform petal deflection displayed across petals

ENSURE APPROPRIATE SPLINE DISTANCE



Assess spline crowding

Visualise splines and optimise position as needed





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Map and Ablate with FARAWAVE™ NAV

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System Overview

FARAVIEW is Designed to Enhance the FARAPULSE Mapped Procedure

GUIDE ROTATION
BETWEEN ABLATIONS



Catheter shadows

View previous ablations and current position

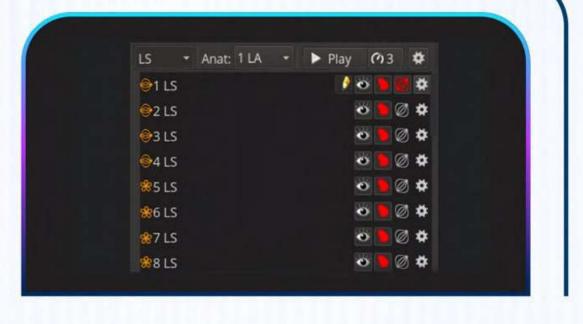
SHOW READINESS FOR PFA DELIVERY



FARASTAR widget

Visualise generator status on mapping screen

TRACK WORKFLOW PROGRESS



FARAWAVE widget

Displays number of applications in basket & flower





FARAVIEW SOFTWARE MODULE

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Map and Ablate with FARAWAVE™ NAV

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System Overview

Comparison: FARAVIEW vs Others

Overview

Availability	Q1 2025			
	Q12025	Available	Limited Availability	Available
FARAWAVE Tracking Accuracy	Magnetic and Impedance	- Impedance	- Impedance	Impedance
Catheter Visualisation	O Dynamic shape visualisation	Manual: Flower or Basket	Dynamic and manual override	× Dynamic circular onl
PFA Ablation Tagging	Automated Field Tagging	Manual: Projection & Shadow	Manual: Spheres / Shadows	Manual: Spheres / Shadows
Single Catheter Map & Ablate	Optimized	Sub-optimal	Mapping catheter required	Mapping catheter required
Guidewire Tracking	Alligator Clip or Duomode Cable	 Alligator Clip or Duomode Cable 	 Alligator Clip or Duomode Cable 	 Alligator Clip or Duomode Cable





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FARAVIEW Workflow Options

Clinical Experience

FARAVIEW Mapping/Workflows

FARAVIEW Software Module:

Workflow Simplicity

Accurate Catheter Positioning

Lesion Assessment

Low Fluoro Workflow

Reproducible Results

Highly-skilled team to support cases

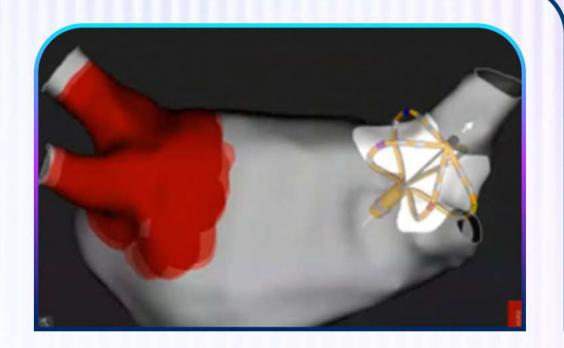
EFFICIENT

- Maintain maximum FARAWAVE efficiency
- Quality PV & Antrum anatomy collection
- Automated FIELDTAG and catheter rotation guidance



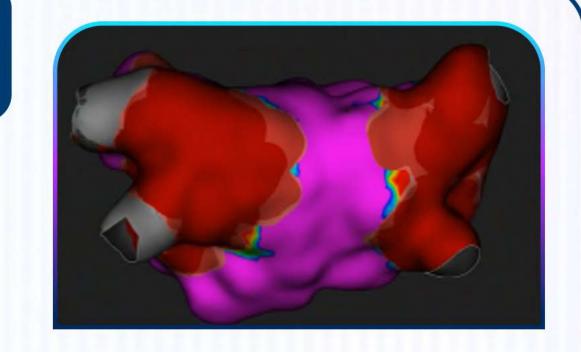
BALANCED

- Full chamber anatomy
- Single map and ablate catheter workflow
- Automated FIELDTAG and catheter rotation guidance



DETAILED

- Full chamber electro-anatomical anatomy/validation
- Single map and ablate catheter workflow
- Automated FIELDTAG and catheter rotation guidance



Mapping workflows

PROBLEM

How concerned are you with the lack of flexibility of the current mapping / ablation systems to fit your workflow needs?

NPO - CLARIFYING

How important is for you to have a system that fits into your current practice?

NPO - EXTENDING

Would a flexible system that supports a broad variety of workflows have procedural benefits, or efficiency gains?

BENEFITS STATEMENT

There are multiple ways to utilise the FARAVIEW system, adapting a workflow that fits into your current practice. You could decide the most efficient use of the system is what works best for you, with a quick map and ablate approach. Or you could decide to go one step further with a full fast map model. Or you can even decide to do a full substrate map of the chamber, getting as much information as possible prior to ablation.









FARAVIEW SOFTWARE MODULE

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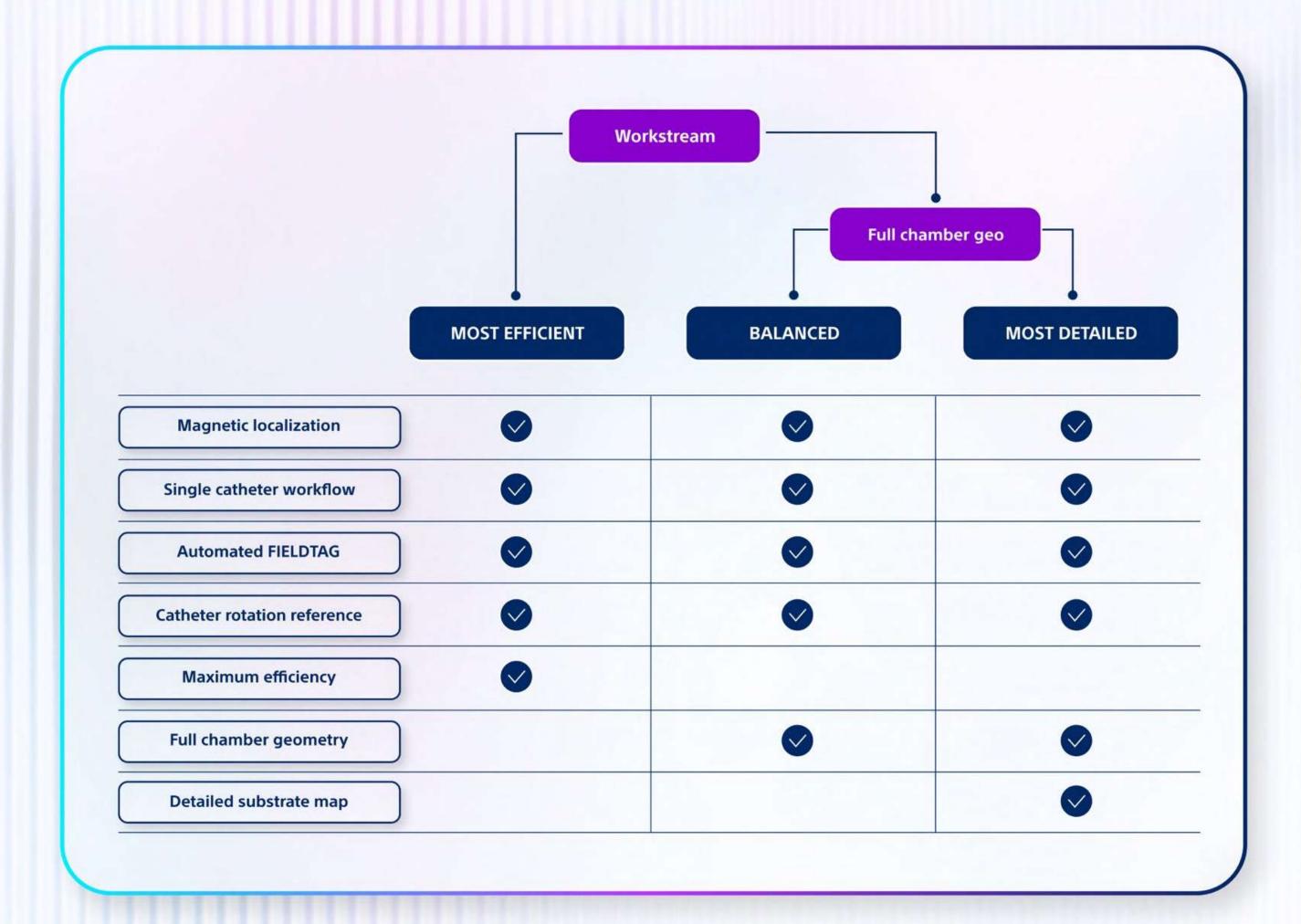
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FARAVIEW Workflow Options

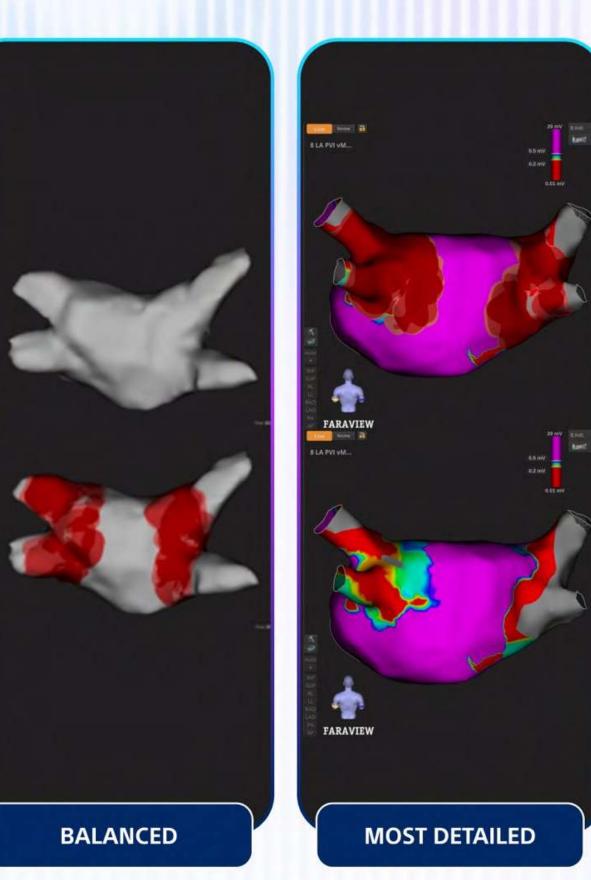
Clinical Experience

FARAVIEW Mapping/Workflows

Summary













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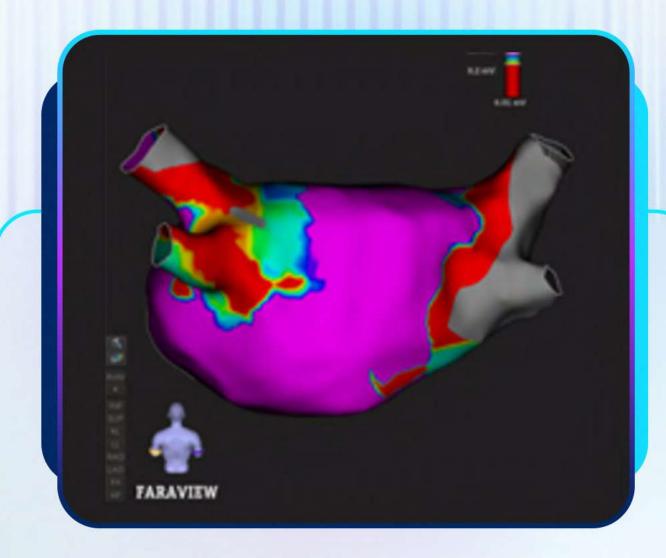
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FARAVIEW Workflows Options

Clinical Experience

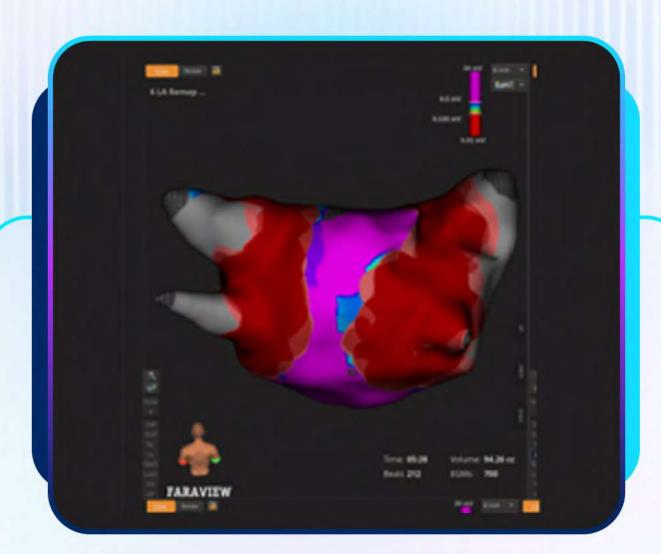
FARAVIEW Case Experience

MAP



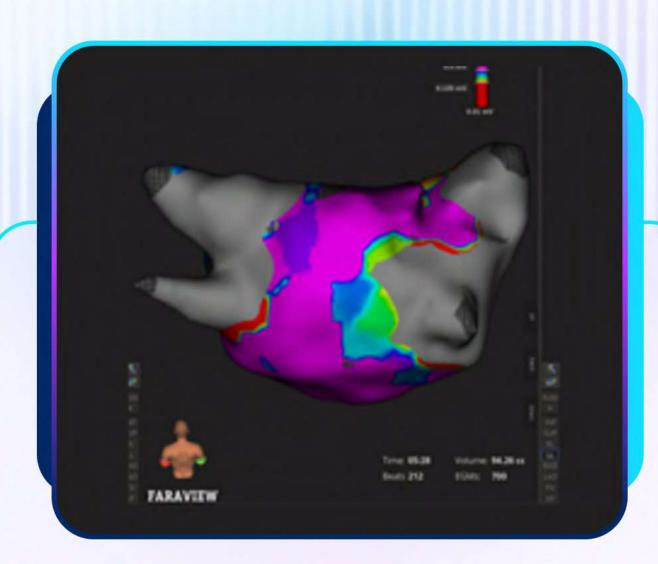
- Homolka Hospital, Prague
- Clínica Universidad de Navarra, Pamplona
- Clínica Universidad de Navarra, Pamplona

ABLATE



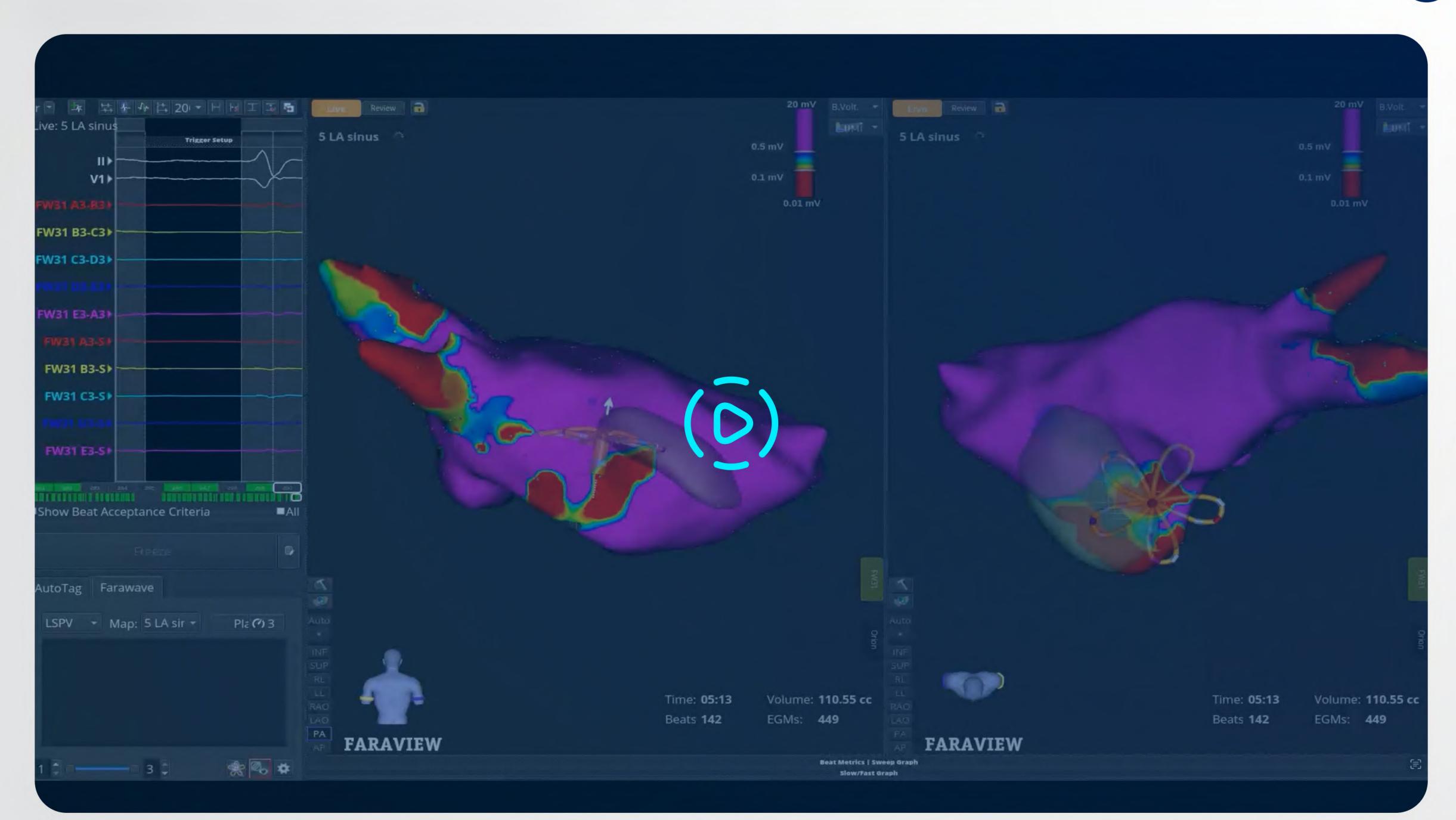
- Homolka Hospital, Prague
- Mater Private, Dublin
- Homolka Hospital, Prague

VALIDATE



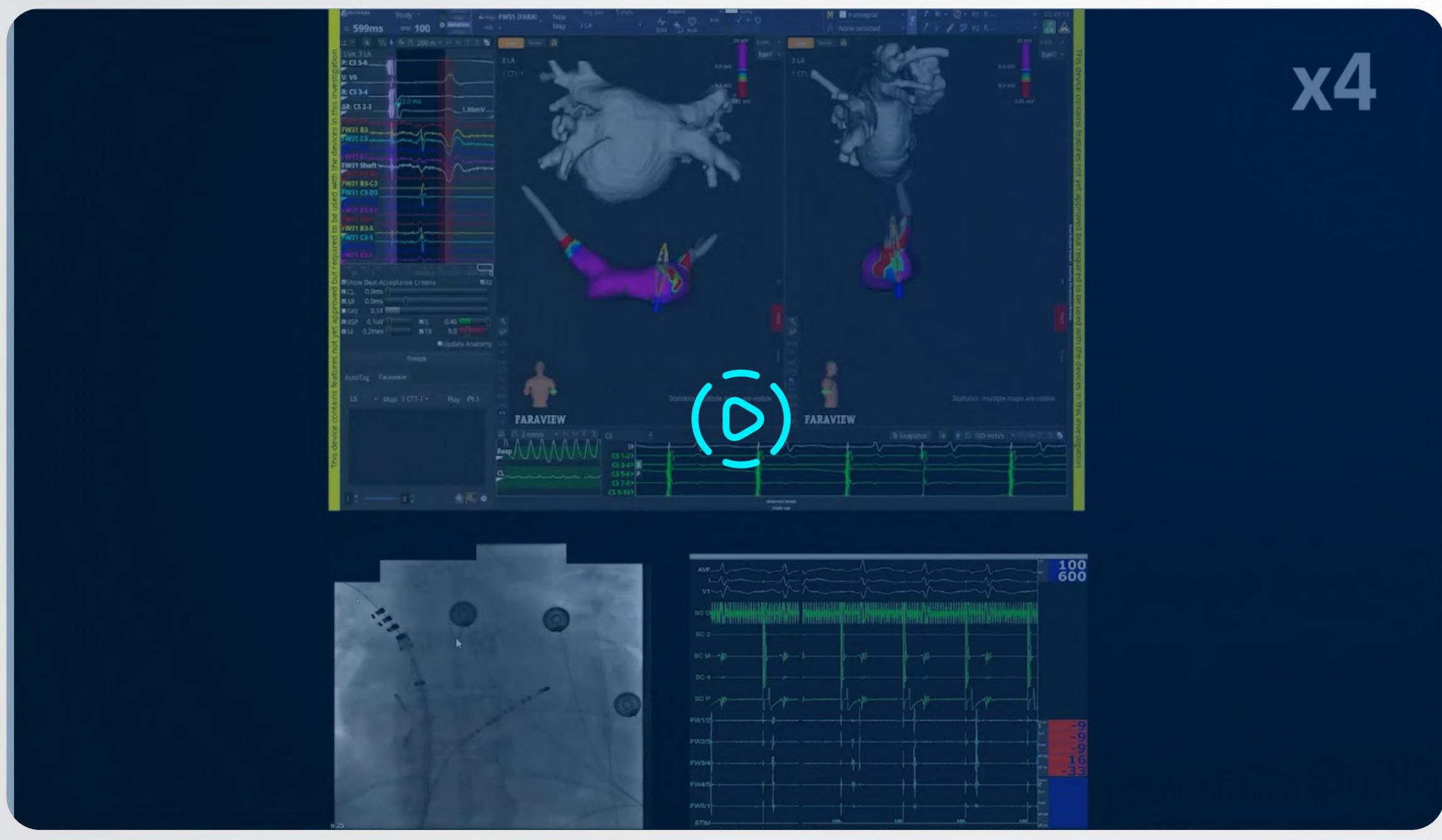
- Mater Private, Dublin
- Mater Private, Dublin





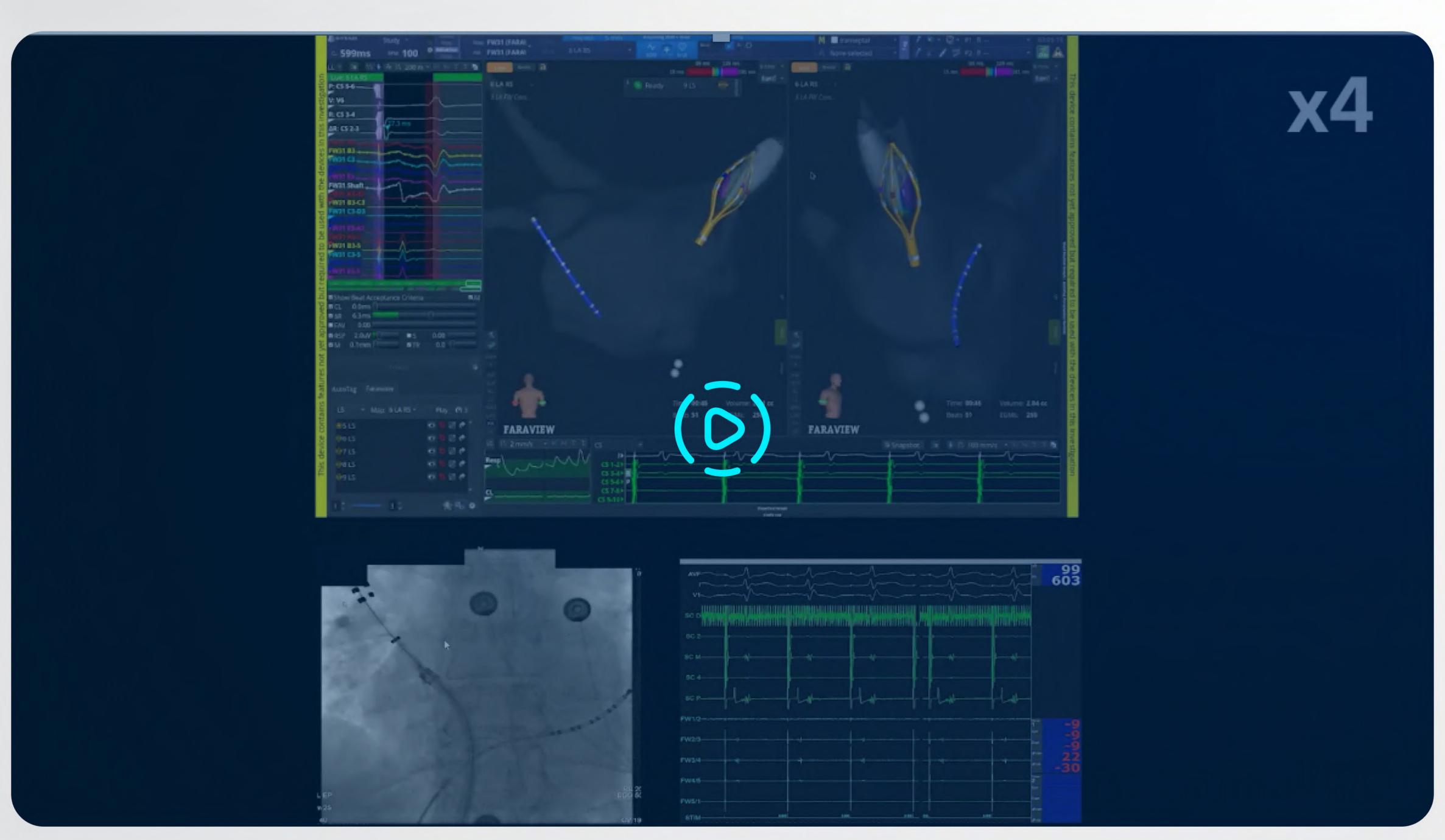
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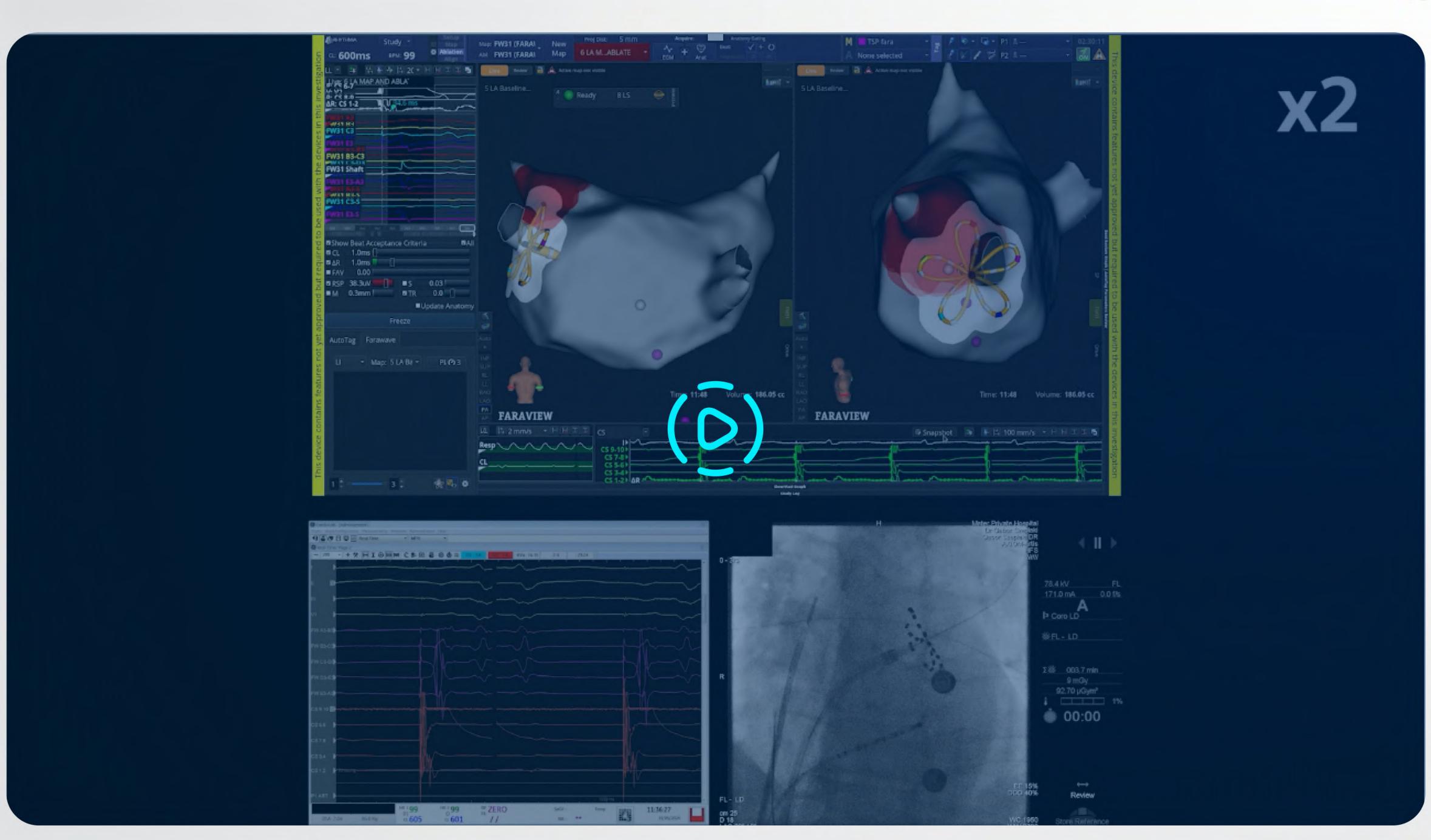


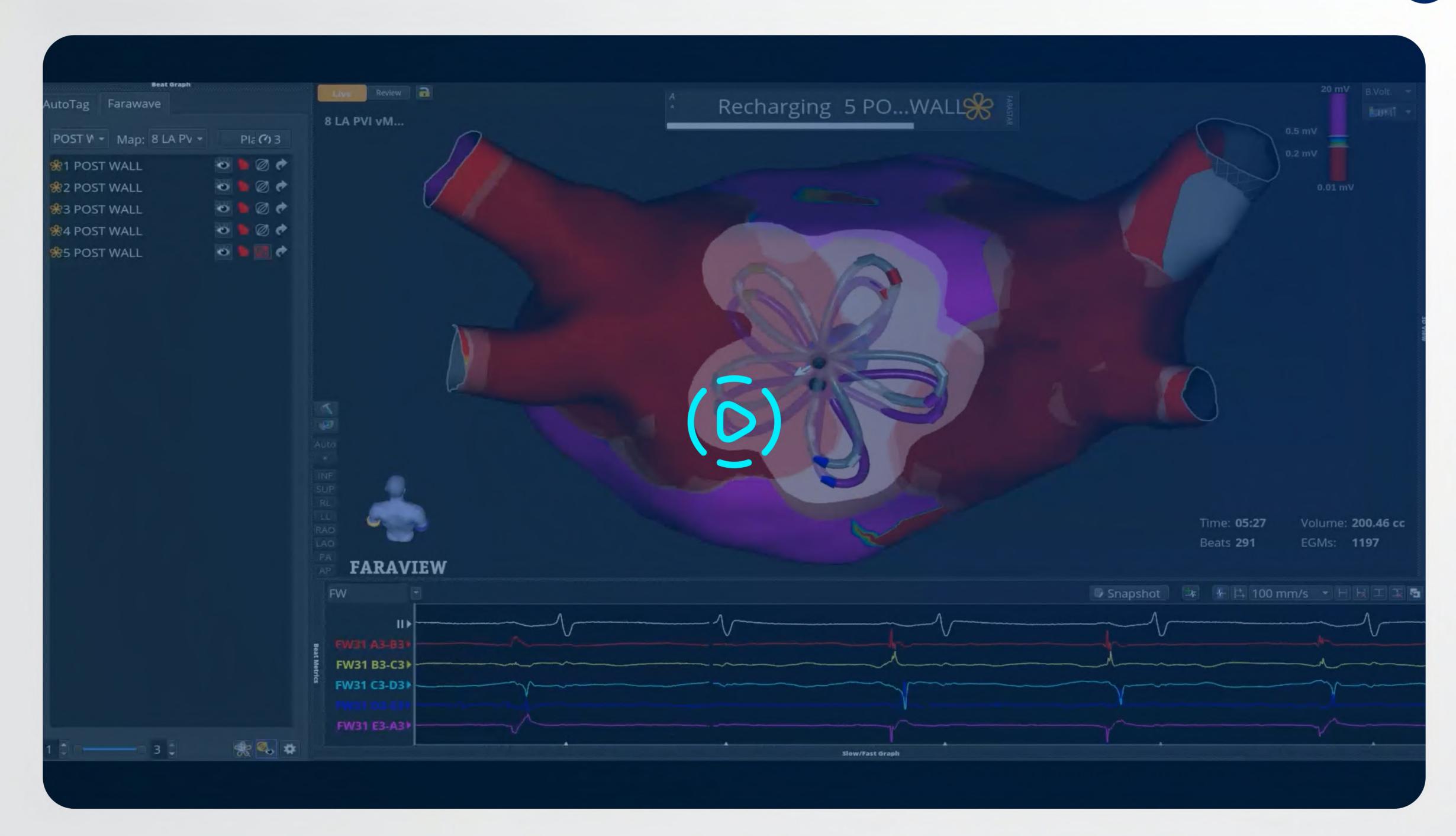








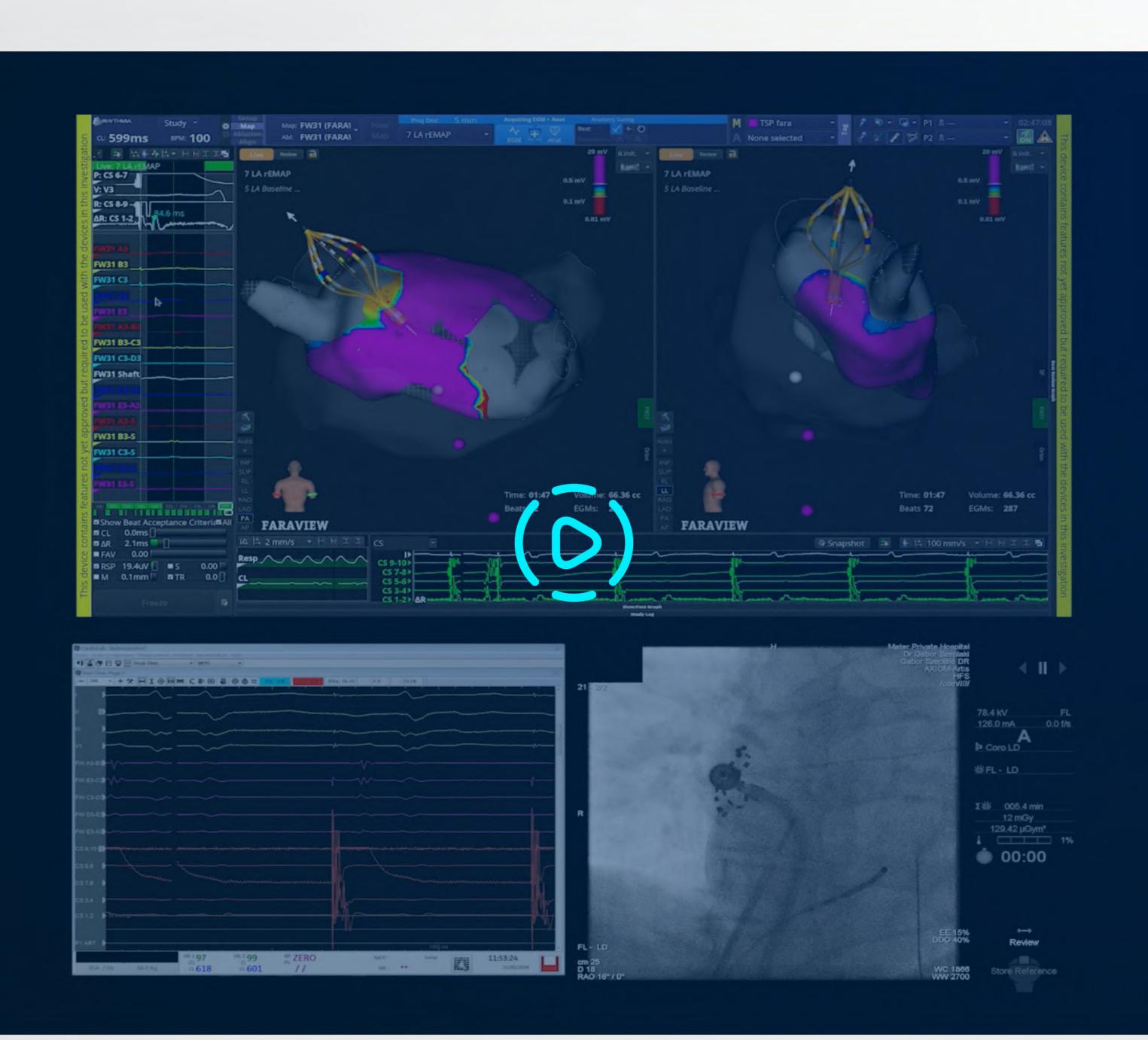


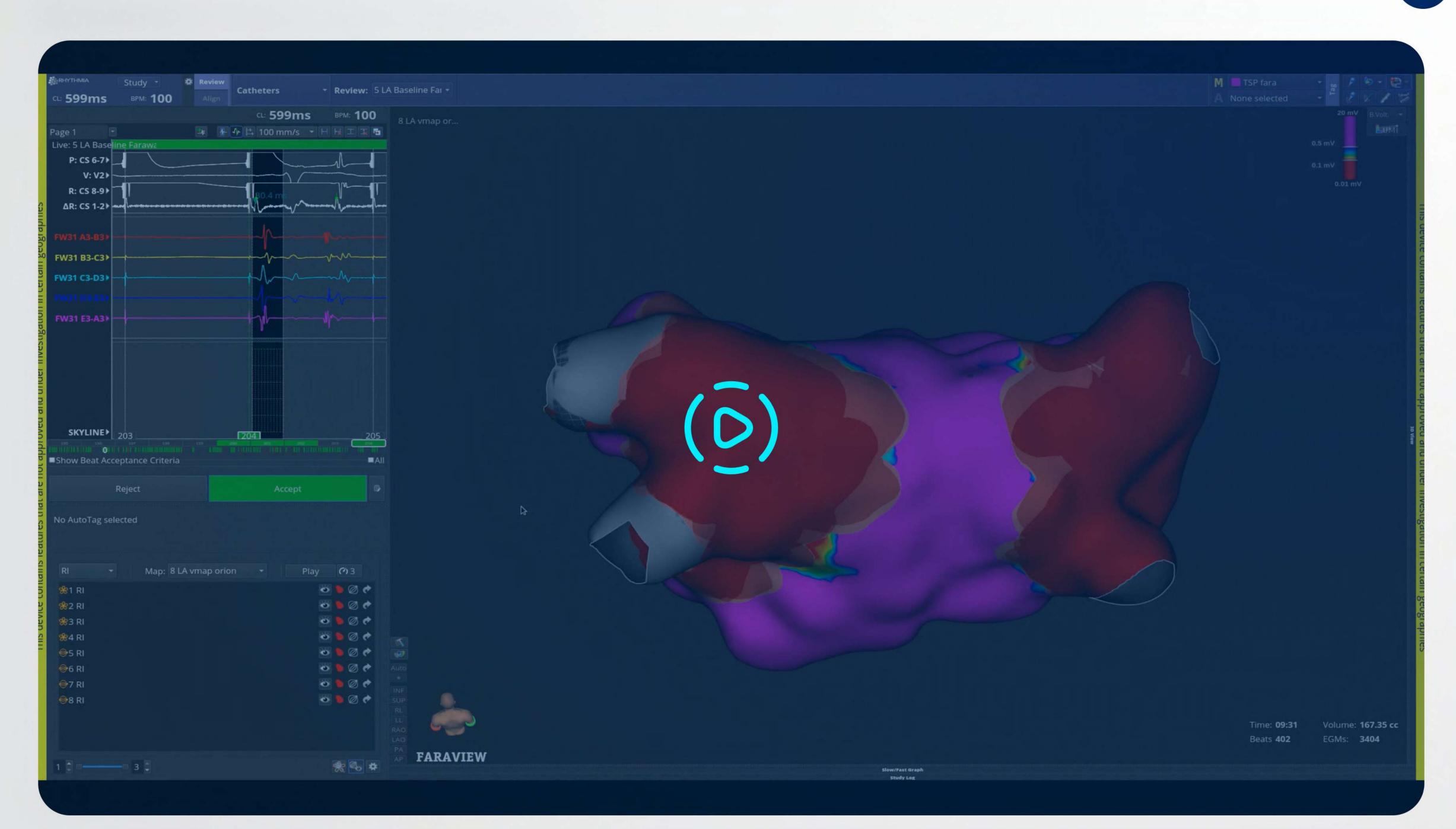


FARAVIEW"

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The Future is FARAPULSE PFA

Leadership in PFA Education

Forward Thinking

Focused on advancing the field

Expanding PFA technology platform for the future next generation PFA pipeline



2. Next-Gen Catheter Designs

DESIGN GOALS

- Treat broader range of arrhythmias
- Meet anatomy target requirements

FARAPOINT™

Precision Focal PFA Catheter

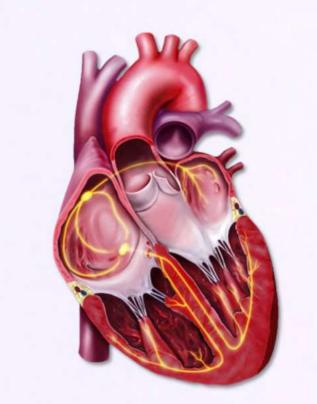
FARAFORCE™
Featuring Force Sensor
Dual-Energy (PF + RF)

FARAFLEX™
Wide Area Focal PFA Catheter

3. Expand Indications

POTENTIAL

- Persistent AF
- AFL
- VT







INTRODUCTION

FARAVIEW SOFTWARE MODULE

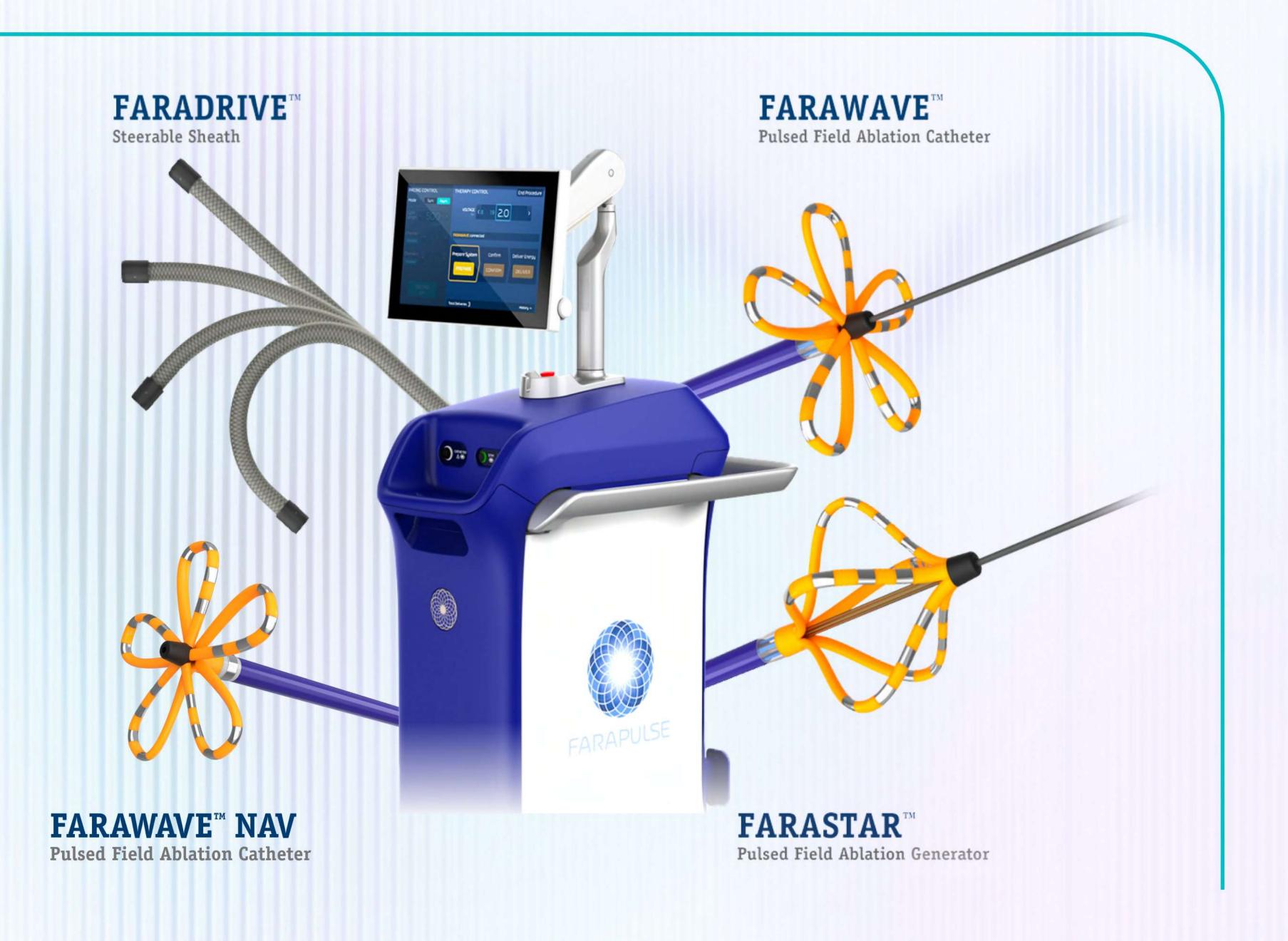
REAL WORLD EXPERIENCE

BOSTON SCIENTIFIC OFFERINGS

The Future is FARAPULSE PFA

Leadership in PFA Education

FARAPULSE is a Complete and Growing Portfolio of PFA-Enabled Technology



Future FARAPULSE catheters will seamlessly integrate with OPAL HDx Mapping System









FARAVIEW SOFTWARE MODULE

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Leadership in PFA Education

FARAPULSE Will Continue to Innovate, Backed by World-Class Clinical Evidence

Portfolio Investments

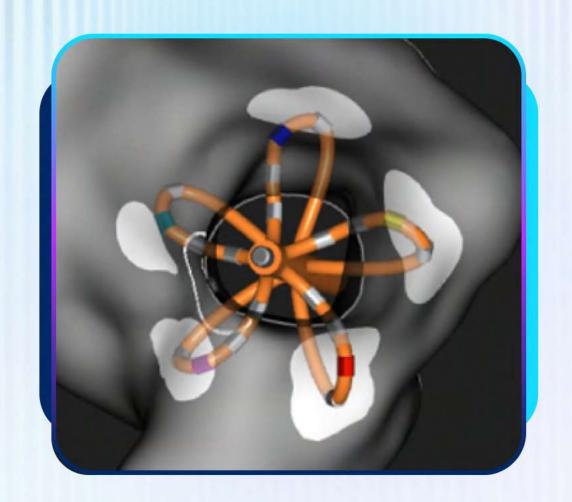
FARAWAVE

EU: Launched Q2 2021

FARAWAVE NAV & FARAVIEW EU: Q1 2025

FARAPOINT EU: Q3 2025 Indication Expanding
Clinical Trials









Paroxysmal AF with PVI

ADVANTAGE LPI (P1): Q3 '23 LPI (P2): Q2 '24

Persistent AF w/ PVI + Posterior Wall (PW)

AVANT GUARD FPI: 1H '24

Persistent AF
First-Line Therapy

FARAPULSE PFA platform uniquely positioned to address market across PVI / PVI+



Scientific

Advancing science for life[™]

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The Future is FARAPULSE PFA

Leadership in PFA Education

FARAPOINT PFA Catheter

Advantage of PFA, flexibility of point ablation



- Point-based PFA solution
- Offers flexibility for point-by-point ablation with the benefits of FARAPULSE PFA
- Magnetically tracked and fully integrated with OPAL HDx
 Mapping System
- Utilising next-generation steering platform
- Currently being studied in ADVANTAGE AF Phase 2 IDE Trial











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The Future is FARAPULSE PFA

Leadership in PFA Education

Leadership in PFA Education

Promoting Peer-to-Peer Education:

Facilitating the safe and effective adoption of new technologies through collaborative learning among medical professionals.

Inclusive Training Opportunities:

Ensuring all centers have access to comprehensive education programmes for both physicians and lab teams.

Collaborative Education Partnerships:

Partnering with established, experienced centers to deliver high-quality training.



IMAGING APPROACH	SEDATION	PROGRAMME ORGANISATION	EDUCATION MODE
X-ray only guided	DS Deep Sedation	Day Case Procedures	Center of Excellence
Venogram	Deep sedation led	Anaesthesia Organisation	Proctoring:
3D Mapping	by Sedation Specialists	Workflow	In Person and Remote
	GA General Anaesthesia		Peer-to-Peer Exchange
CT Scan		Future of PFA	
CT X-ray Fusion		PFA Biophysics	



Scientific

Advancing science for life

Advancing

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The Future is FARAPULSE PFA

Leadership in PFA Education

Leadership in PFA Education

High standard of clinical support

• Committed to provide you with the **best clinical** support in the lab.



EDUCARE

- Partner to develop online training content to support best practice adoption.
- Access to our complete library of educational content and programmes for all your team members.
- **PFA Biophysics:** your expert partner for deep diving into **PFA mechanisms.**





CAUTION: The law restricts these devices to sale by or on the order of a physician. Indications, contraindications, warnings, and instructions for use can be found in the product labelling supplied with each device or at www.IFU-BSCI.com. Products shown for INFORMATION purposes only and may not be approved or for sale in certain countries. This material not intended for use in France.

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