

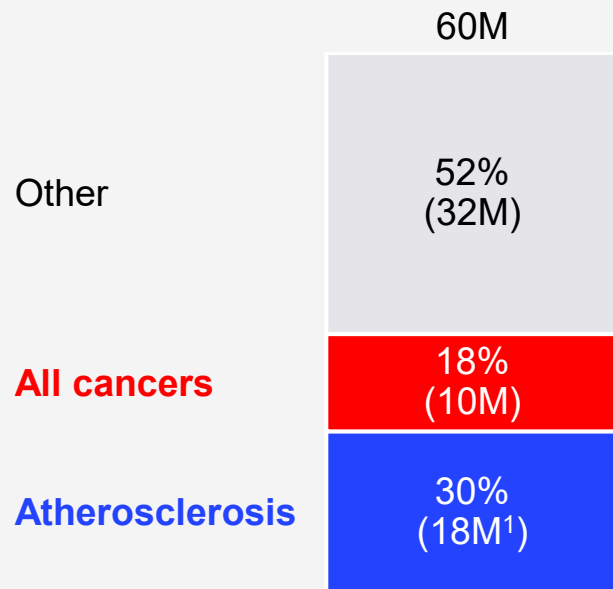
# Resolving Medicine's Deadliest Blindspot

*It's not a treatment gap.  
It's an access and skill gap.*

Ultrasound Intelligent Networks d.o.o. Belgrade

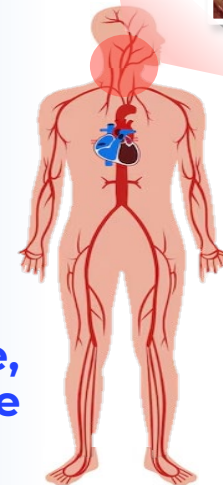
# Atherosclerosis kills more people than all **cancers** combined

## Annual global deaths by disease, in %



## What is atherosclerosis?

- It is a **chronic disease of the arteries**
- It takes **decades to build but strikes in seconds**
- When symptoms appear it is already **advanced, expensive, and often irreversible**



1. Global incidence. In highly developed regions (like the US and Western Europe), atherosclerosis is responsible for approximately 50% of all deaths because the successful suppression of infectious and neonatal diseases has left lifestyle-driven chronic conditions, like heart disease and stroke, as the dominant causes of mortality.

**The paradox:** we already have an ultrasound that can see atherosclerosis early – but it depends on who is holding the probe

### 1. ACCESS GAP

#### Shortage of specialists

**>50%** of world's population has no access to diagnostic imaging

#### Imperfect accuracy

**60-90%** variance in diagnosis accuracy due to operator dependency

### 2. SKILL GAP

#### Time-consuming exams

**20-30** min per procedure

#### Liability risk

**No. 1** cause of medical malpractice in vascular care

These gaps lead to **adverse outcomes** for Patients, HCPs, and Insurers



### **Delayed or missed diagnoses**

due to lack of access to specialized care and false negatives



### **Unneeded procedures, risks, anxiety and costs**

due to false positives



### **Long waiting times**

due to shortage of specialists and time-consuming exams

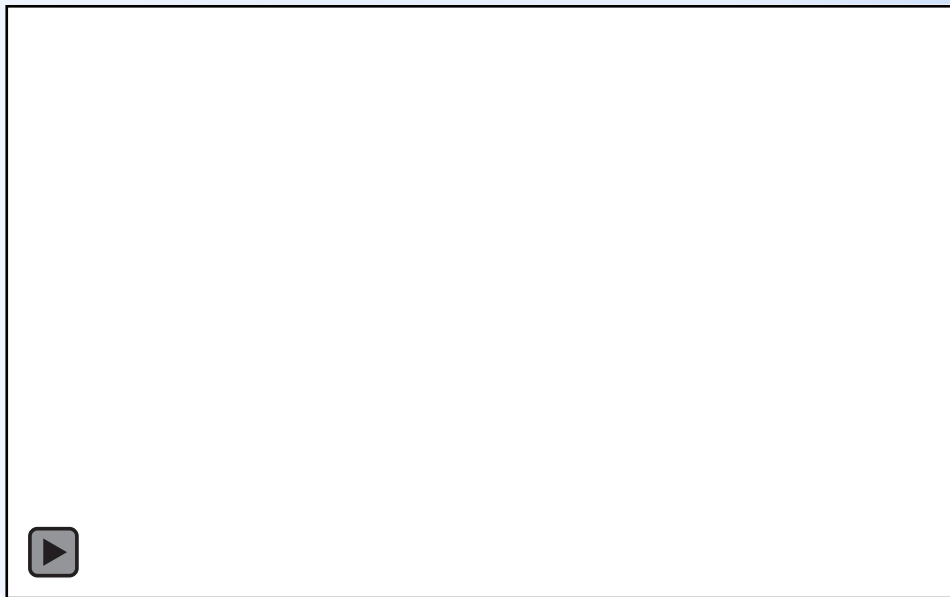
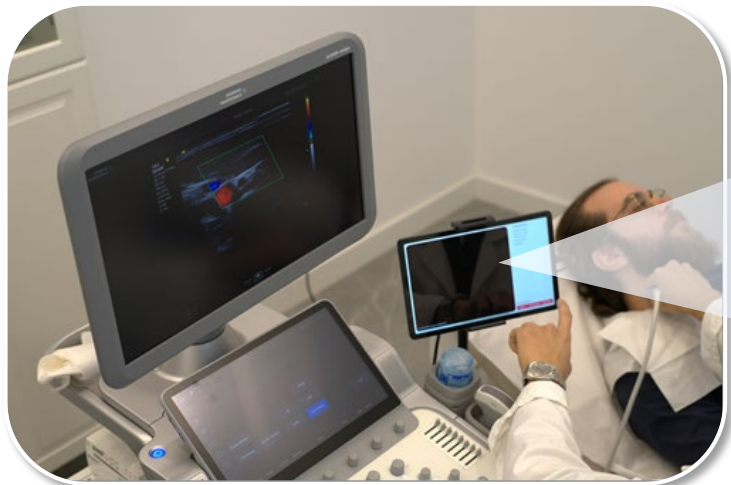


### **Increased liability**

due to subjective interpretations leading to high medico-legal risks

# Our Aassistant assists the operator in real time

*Simple HDMI plug&play solution*



Our Assistant can **empower and assist** any medical professional

Skill level of the practitioner

Low

High

### Targeted medical practitioners



GPs, other specialists with **no** ultrasound expertise

Vascular specialists or sonographers with **limited** ultrasound expertise

Vascular specialists or sonographers with **strong** ultrasound expertise



### Our value proposition



**Empowering** non-skilled practitioners to perform ultrasound exams

**Boosting** diagnostic accuracy and speed

**Boosting** speed and contributing to diagnostic accuracy improvement

Our solution is powered by **robust data and domain clinical expertise**



**~150K fully rights-cleared images** across major veins and arteries, legally owned by Ultrasound Intelligent Networks d.o.o.



**25+ years of ultrasound specialist experience** behind every expertly labeled image



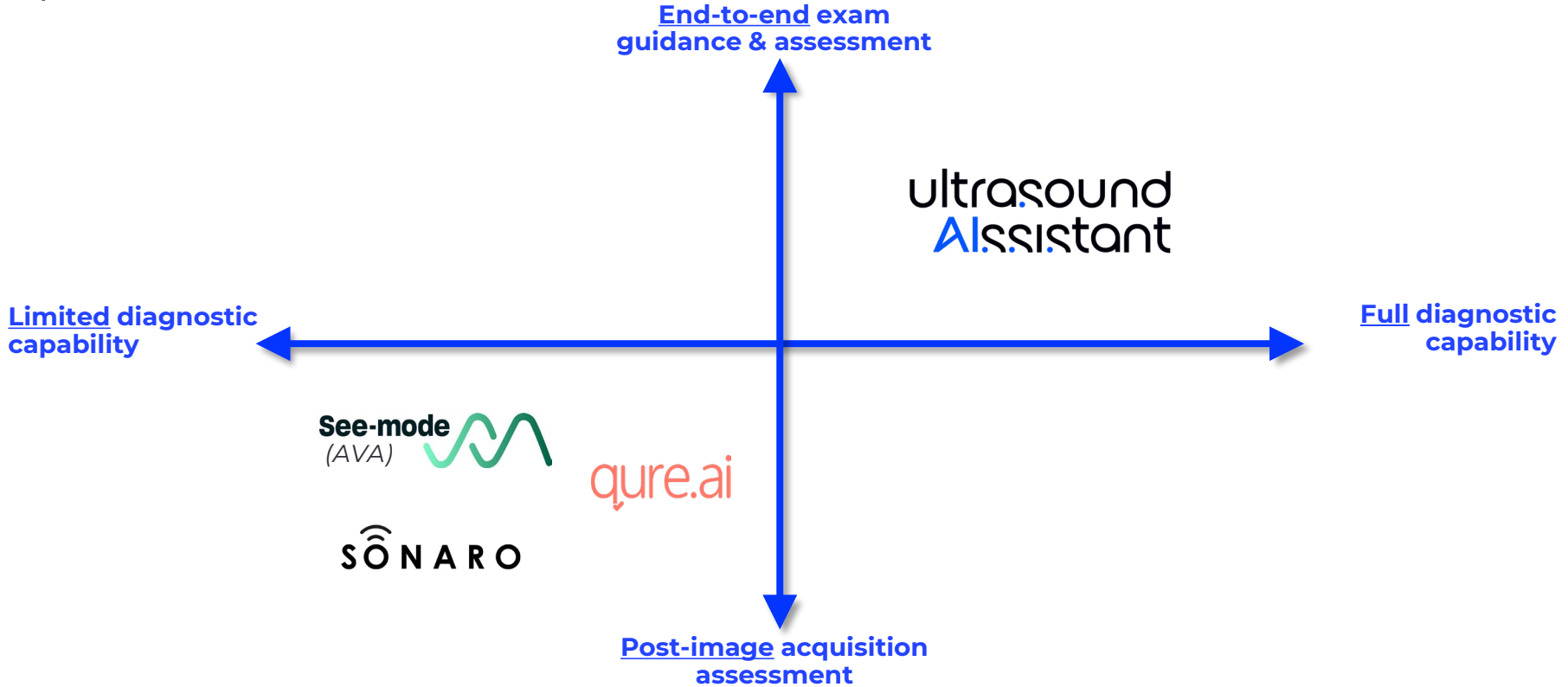
**90% accuracy to-date** for localization and classification (pilot study with 100 patients completed)



**Legally protected source-code**

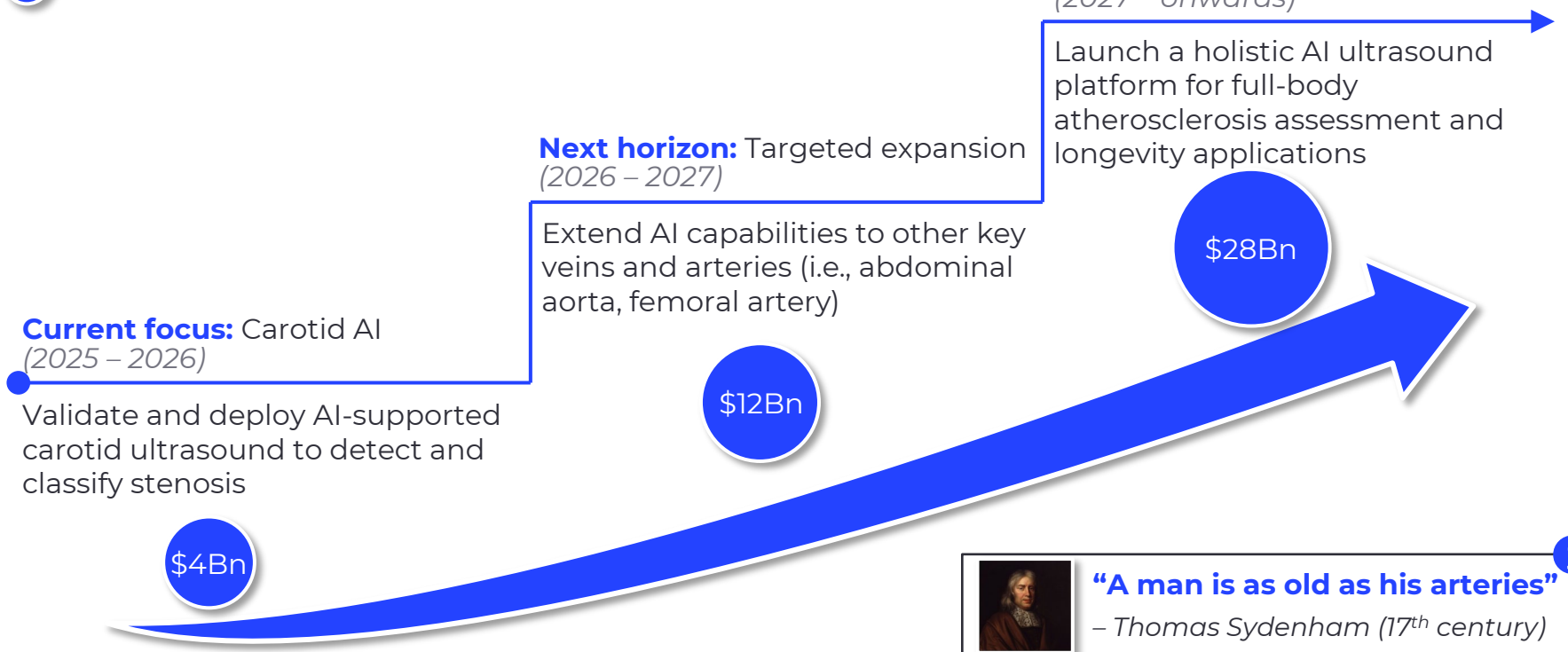
## Competition

**New paradigm:** We redefine how AI supports ultrasound operators



## Our product roadmap

**\$ Total Addressable Market, in USD Bn**



**“A man is as old as his arteries”**  
– Thomas Sydenham (17<sup>th</sup> century)

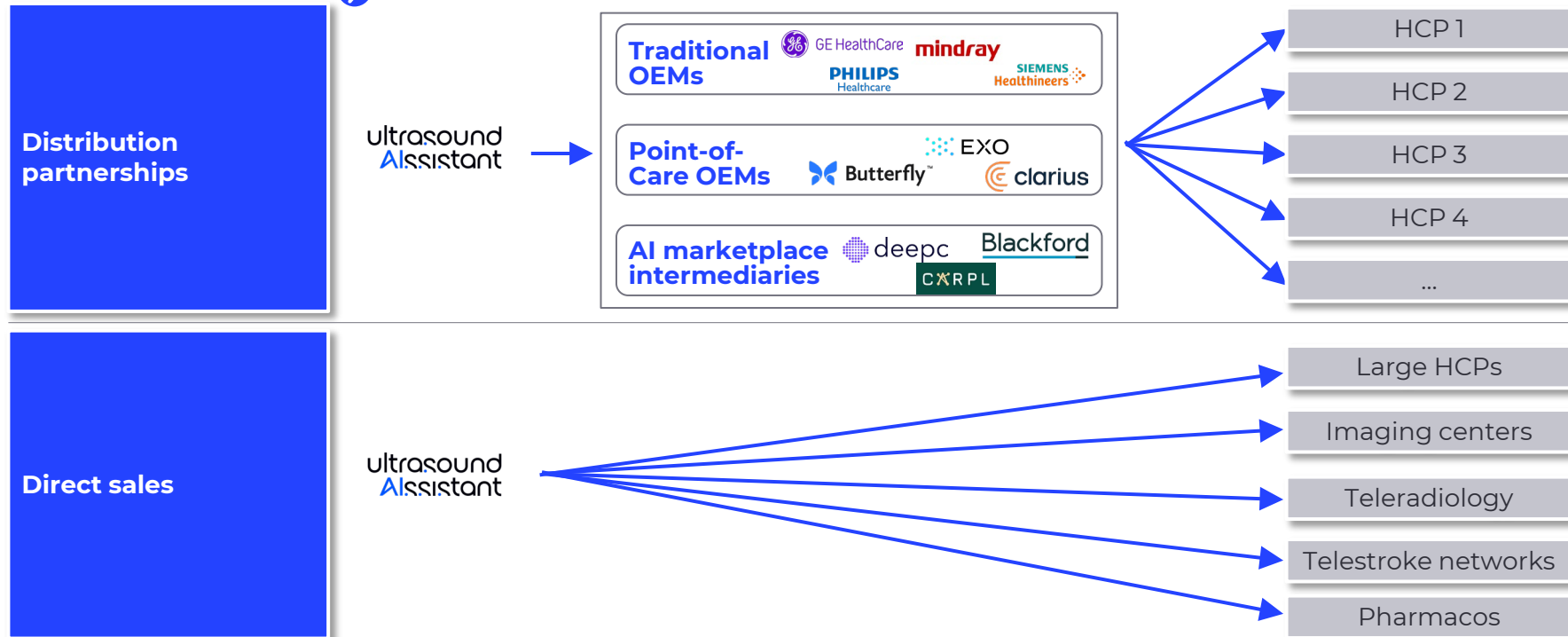
# Go-to-market approach

Our GTM approach combines strategic distribution partnerships with direct sales

## Go-to-market approach

### Details

### Target clients



# Our monetization model is **hybrid**



### Pay per use

*Tied to number of ultrasound exams performed*

\$6-20

*Per exam fee*



### Subscription fee

*Platform access, AI updates, maintenance and support*

\$3-5K

*Annual fee*



### Onboarding fee

*Onboarding trainings for medical professionals to use Ultrasound Assistant*

\$3-5K

*One-time, upfront fee*

## Our achievements so far



**Selected by NVIDIA**  
for NVIDIA's Inception  
Program

**Biotech Future Forum**



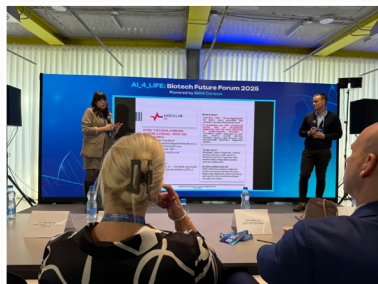
**Pitched our solution**  
to government officials  
and WEF board  
members



**3rd place**  
at the EY 2025 Startup  
Weekend



**Signed LOI**  
with the premium  
hospital from Serbia



# Current investment plan

**€500K** Pre-Seed  
(€100K committed to date)



## Use of proceeds:

Product development  
(other arteries and veins)

60%

Clinical validation  
(carotid AI)

20%

FDA approval  
(carotid AI)

20%

**TOTAL**

**100%**

*\*Previously raised €115K in an Angel round*

# Meet our management team



**Ljubiša Vulić**

CEO

- Legal and Compliance Specialist with expertise in clinical trials.



**Dragan Vasić, MD**

CMO

- Specialist in internal medicine and a certified angiologist with over 25 years of experience.



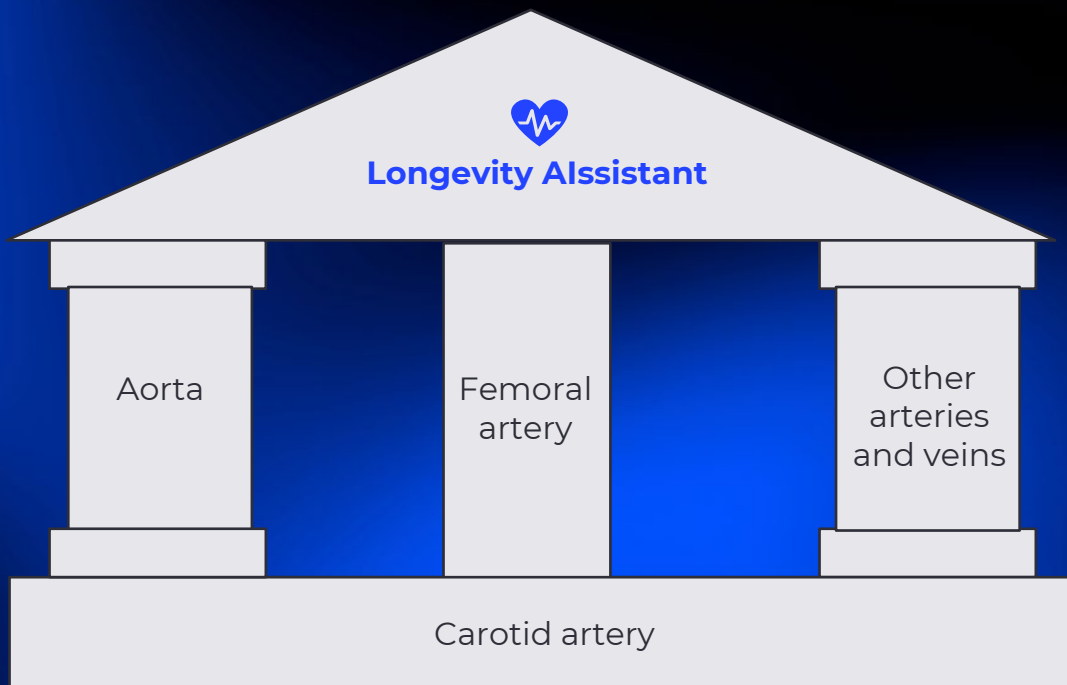
**Marija Novičić, PhD**

CTO

- Marija Novičić is an assistant professor at the School of Electrical Engineering, University of Belgrade.

# JOIN US IN BUILDING ARCHITECTURE FOR LIFE.

ultrasound  
Alssistant



# APPENDIX

## Carotid ultrasound is used for diagnosis and ongoing care

✓ Our focus

### Patient journey for the carotid artery disease

#### 1 Initial diagnosis

Patients undergo **carotid ultrasound** due to symptoms or routine screening for high-risk groups.



Ultrasound  
Assistant

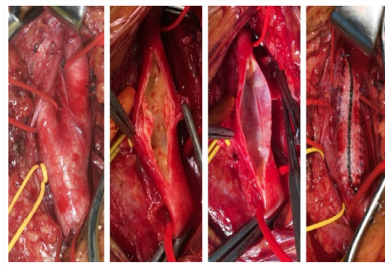
#### 2 Diagnostic confirmation

In some countries, **CTA or MRA** confirms significant ultrasound-detected stenosis before surgery.



#### 3 Treatment

Treatment ranges from **lifestyle changes and medication to surgery** for high-risk plaques or severe (>70%) stenosis.



#### 4 Ongoing care

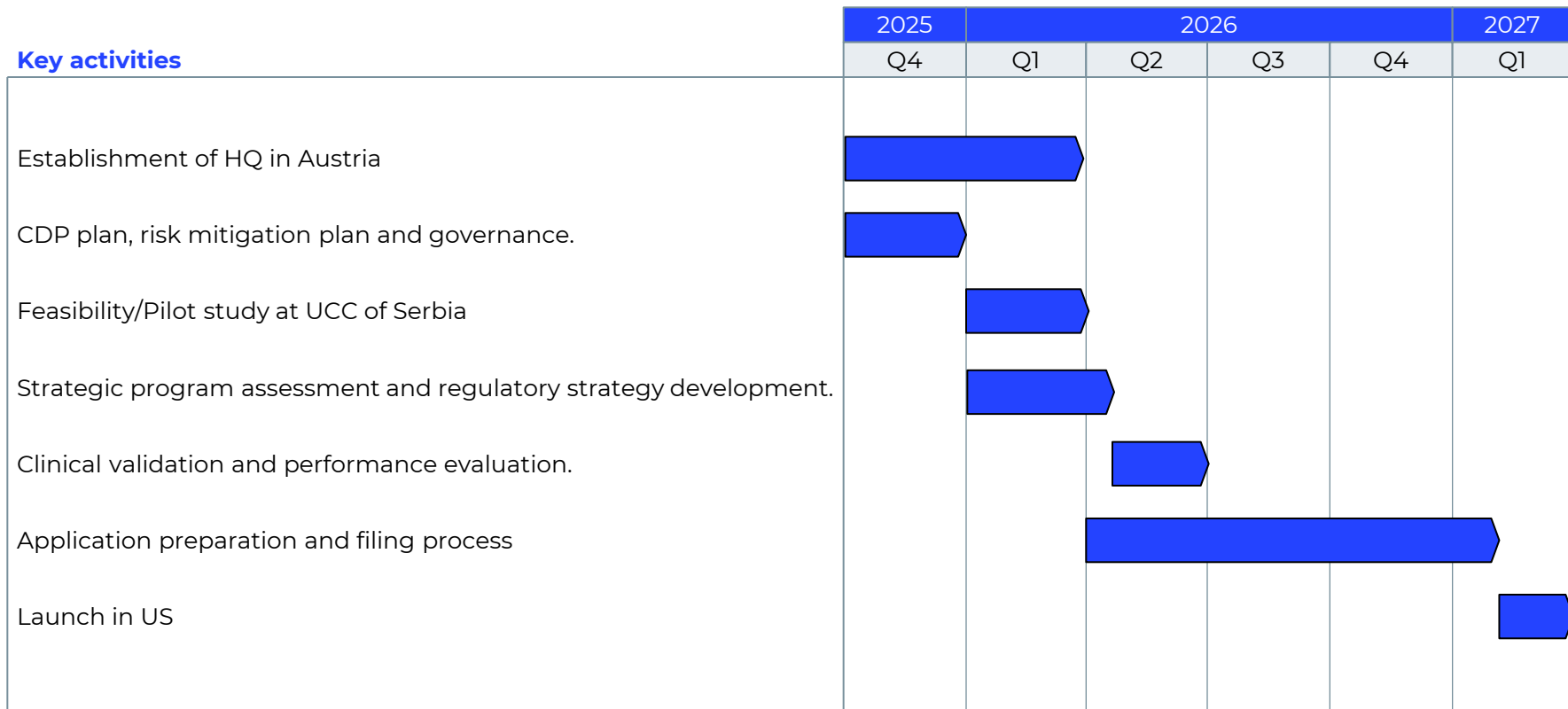
Diagnosed patients need **regular ultrasound follow-ups** to monitor progression or restenosis.



Ultrasound  
Assistant

We plan to **validate and launch** our carotid AI worldwide by the end of 2026

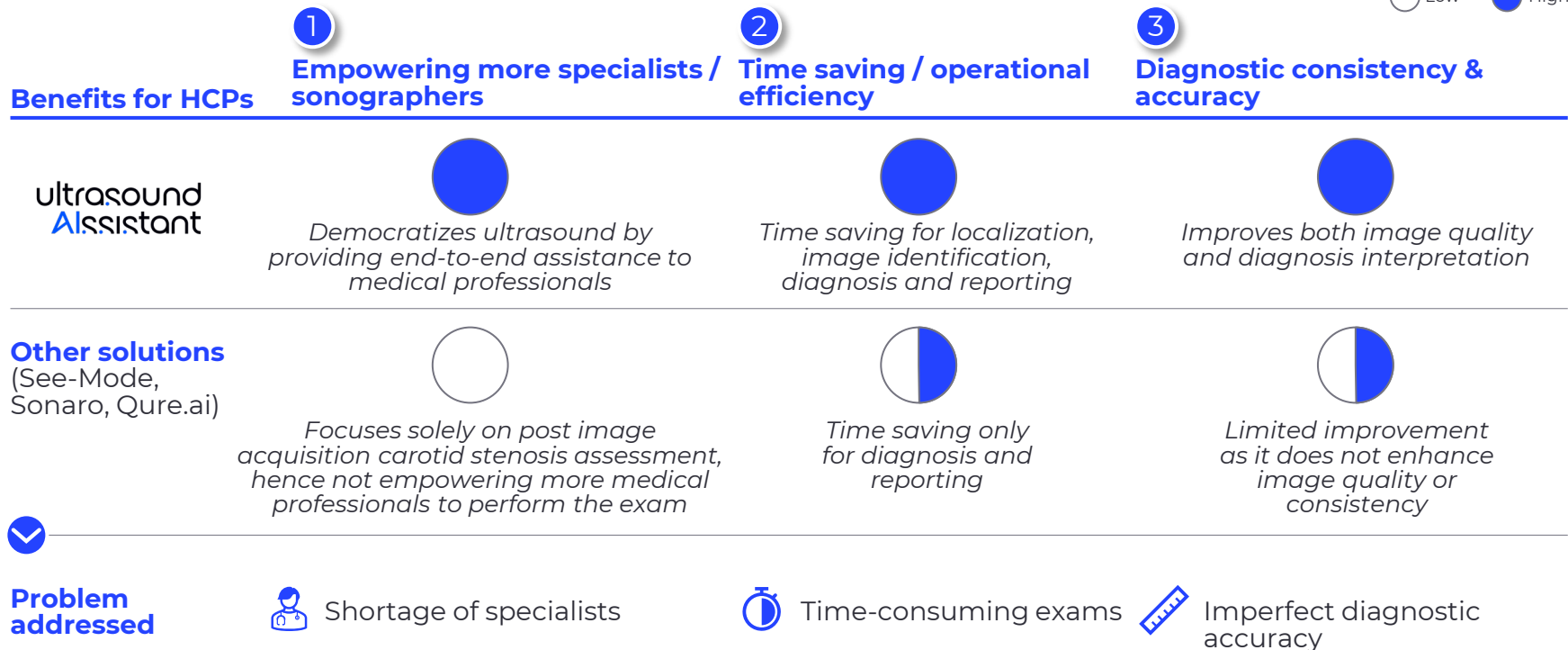
### Key activities



# How Ultrasound Assistant product advantage translates into benefits for HCPs?

Ultrasound Assistant's product advantage translates into significantly greater benefits for healthcare providers (HCPs) on their most critical challenges

○ Low ● High



# How is Ultrasound Assistant different from other solutions?

Ultrasound Assistant is the only solution that covers the full clinical workflow

✓ Available    ⚡ Limited    ✗ Not available

## Carotid artery exam: Clinical workflow



### Details

A sonographer (US) or a radiologist/angiologist (EU, China) uses an ultrasound probe to **locate the carotid artery**.

The sonographer (US) or radiologist (EU, China) then **captures optimal images of the carotid artery** across four imaging modalities plus Doppler.

\*The sonographer **sends the selected best images** to the radiologist for detailed review and interpretation.

The radiologist **analyzes the images to identify and classify any arterial pathology** (performed in real time in the EU and China, while in the US they typically review only ~4 images provided by the sonographer).

The radiologist **prepares a clinical report** based on their findings and diagnosis.

Ultrasound  
Assistant



Other  
solutions

(See-Mode,  
Sonaro, Qure.ai)



Carotid stenosis only

## Ultrasound Assistant has **clear clinical utility differentiation**

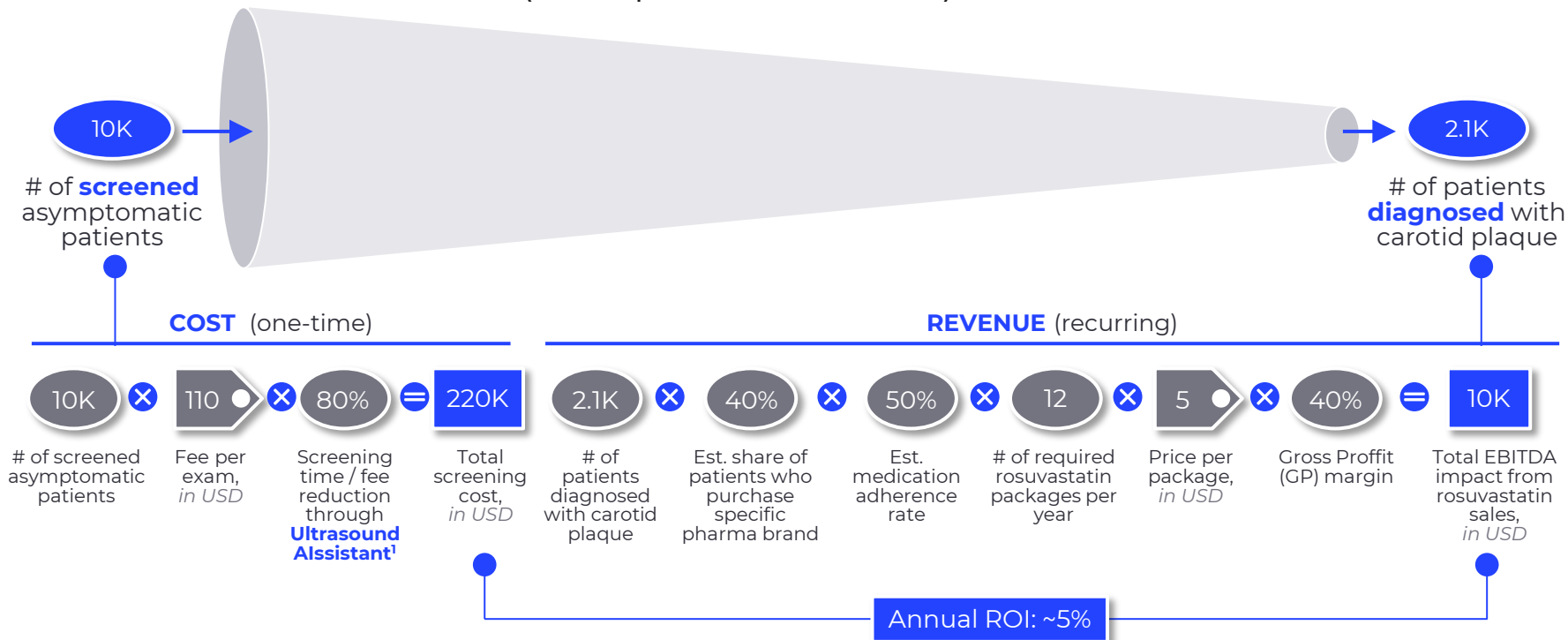
Comparison points		Ultrasound Assistant	See-mode (AVA)	SONARO	qure.ai
Functionalities	Real-time localization	✓	✗	✗	✓
	Best image identification	✓	✗	✗	✗
	Detection & classification	✓			
	Automated reporting	✓	✓	✓	✗
Imaging modalities	B-mode	✓	✓	✓	✓
	Color-mode	✓	✓	✗	✓
	Doppler	✓	✗	✗	✓
Overall Assessment		Provides end-to-end examination support, enabling less experienced professionals, ensuring consistent image quality, and assessing both carotid stenosis and morphology	<b>Direct competitor but inferior:</b> Focuses solely on post image acquisition carotid stenosis assessment, lacking image acquisition support — hence limiting time savings and accuracy gains due to operator-dependency which results in inconsistent image quality	<b>Not a direct competitor:</b> Focused on carotid “pre-screening” of carotid stenosis — pre-diagnosed patients are referred for actual ultrasound exams	<b>Not a direct competitor:</b> Absence of commercialization ambition; scarce product information available

# How do the benefits Ultrasound Assistant offers translate into impact for HCPs?

The benefits Ultrasound Assistant delivers directly translate into measurable P&L impact

HCP / clinic type	Benefits for HCPs	Impact for HCPs	
<b>LARGE clinic</b> <i>(with carotid specialists)</i>	Time saving / operational efficiency	More billable scans (new patients)	Revenue increase
		More complementary exams on the existing patients	Revenue increase
		More time for quality patient care (patient experience)	Revenue increase
		Shorter waiting times (patient experience)	Revenue increase
		Reduces the need for specialists	Cost reduction
	Diagnostic consistency & accuracy	Better patient experience (fewer false positives)	Revenue increase
Lower risk of malpractice liability (fewer false negatives)		Cost reduction	
Reduced need for costly machine replacements		Cost reduction	
<b>SMALL clinic</b> <i>(w/o carotid specialists)</i>	Empowering more specialists / sonographers	New revenue streams (i.e., carotid artery exams)	Revenue increase

## Nation-wide asymptomatic patient screening program for carotid disease: Business case assessment (from pharma's lens)



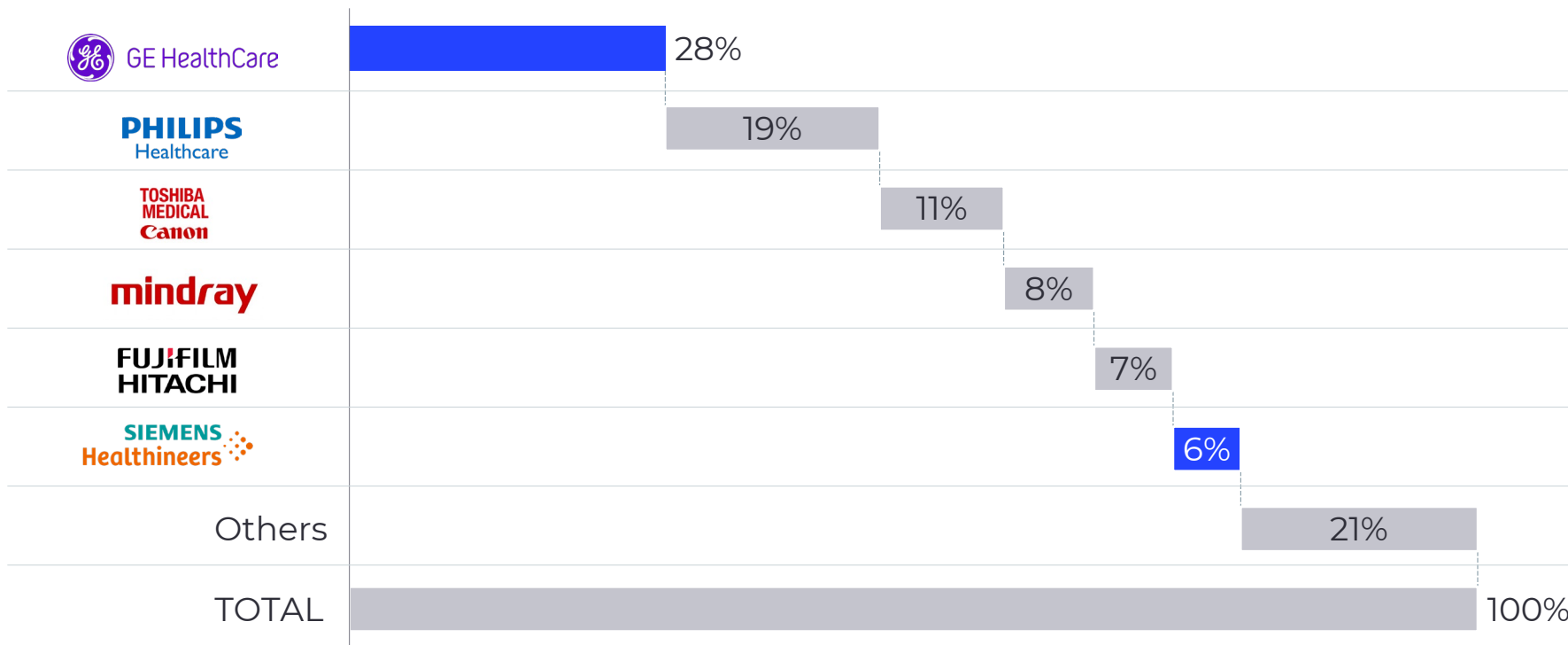
Besides the direct financial ROI, this nation-wide screening program would deliver significant marketing and CSR impact through increased public health awareness and broad media coverage

1. Ultrasound Assistant fee of 5% and exam fee split with partnering clinic is implicitly included in the calculation

Ultrasound AlAssistant is machine agnostic with **proven compatibility** with GE and Siemens

 Already proven Ultrasound AlAssistant's compatibility with OEM's device

## Ultrasound OEMs' global market share, in %



**Note:** Ultrasound AlAssistant is machine agnostic as its model currently runs on a tablet connected to the ultrasound machine via HDMI

## Envisioned Exit

We will be open to a **strategic exit in 4-6 years** via acquisition

### Notable acquisitions in the AI ultrasound imaging space

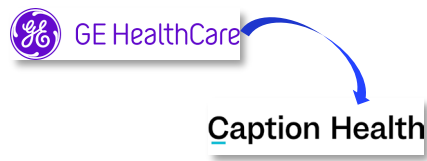
 Acquisition price



2022

Exo, a next-generation point-of-care ultrasound hardware company, acquired Medo AI to embed automated scan acquisition and interpretation into its handheld imaging devices

*Undisclosed*



2023

GE HealthCare acquired Caption Health, maker of AI-guided echocardiography tools that empower non-experts to capture diagnostic cardiac views

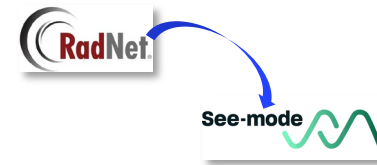
\$150M



2024

Samsung Medison, the diagnostic ultrasound arm of Samsung Electronics, acquired Sonio—an AI startup offering real-time fetal ultrasound guidance and quality assurance

\$92M



2025

RadNet, the largest operator of diagnostic imaging centers in the US, acquired See-Mode Technologies whose software automates vascular, thyroid, and breast ultrasound interpretation

\$29M