

SENSORYX

The Motion Infrastructure Layer for the **Physical** World.

Infrastructure-free motion tracking that works anywhere.

CONFIDENTIAL // INVESTOR BRIEF



The World Is Changing

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Modern systems can simulate and control the world, but they lack reliable real-world motion data.



Artificial Intelligence



Robotics &
Autonomous Systems



XR / Simulation

All of these require accurate motion data.

But today, motion tracking only works in labs, studios or controlled setups

THE PROBLEM

LAB-CONSTRAINED SYSTEMS

Existing motion tracking technologies were designed for controlled environments, not the real world.

- ✗ Requires fixed cameras & markers
- ✗ Breaks in sunlight, dust and covering
- ✗ Limited range & scalability
- ✗ Cannot operate in dynamic environments
- ✗ This prevents real-world systems from scaling beyond controlled environments.

**SYSTEM FAILURE**

VS

REAL WORLD ENVIRONMENTS

Modern applications operate in large-scale, unstructured and dynamic environments

- Outdoor & infrastructure free settings ✓
- Large scale, multi user environments ✓
- Dynamic, unpredictable environments ✓
- Requires autonomous tracking ✓

INFRASTRUCTURE GAP

THE BREAKTHROUGH

Sensoryx has created infrastructure-free motion tracking that works in the real world.

0.3mm

Precision



Light-weight



Robust

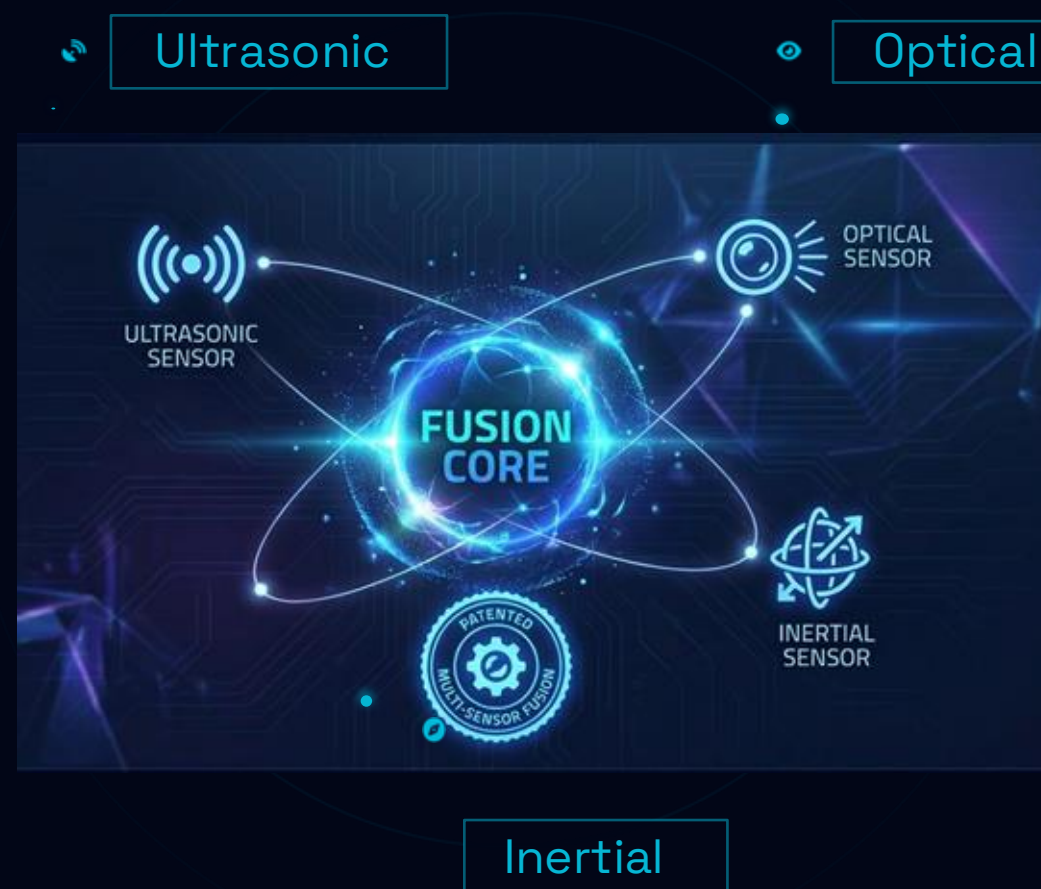
Powered by patented multi-sensor fusion of ultrasonic, optical, and inertial tracking for sub-millimeter accuracy.

This enables applications that were previously impossible outside of controlled environments



PATENTED TECHNOLOGY

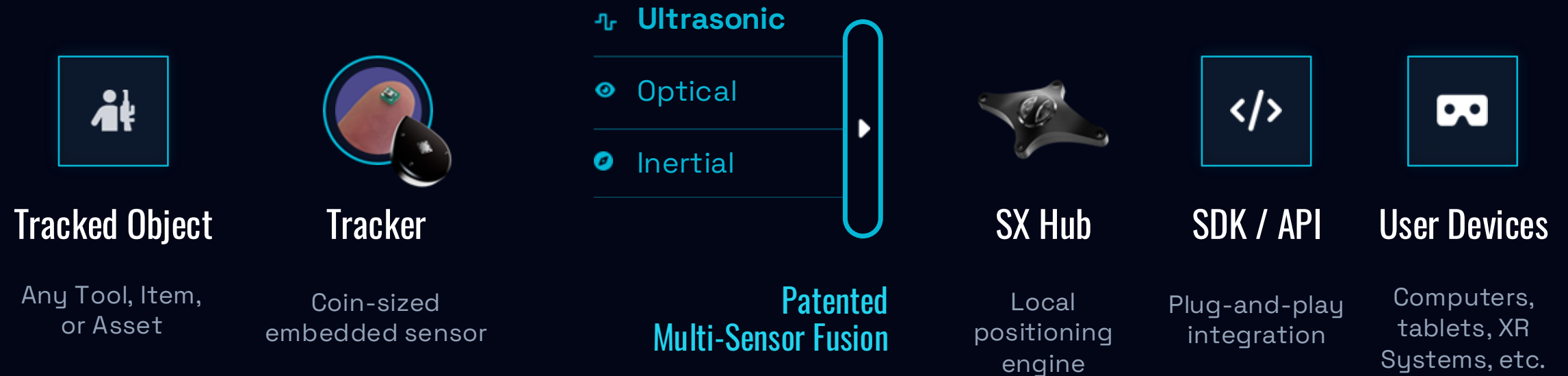
7 Patents • 5 Years R&D



Sensoryx Platform

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Sensoryx provides a plug-and-play Motion Infrastructure Layer



Capture, Process and Stream precise Motion Data in any Environment

Competitive Landscape

Existing solutions fail where Sensoryx thrives

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✓ Full capability ~ Partial / conditional ✗ Not supported

	OptiTrack Optical mocap	Move AI AI markerless	Polhemus Magnetic tracking	Xsens / Rokoko Wearable IMU	HTC / PICO / META Constellation tracking	Sensoryx Multi-sensor fusion
Outdoor ready	✗ Sunlight fails	~ Camera-dependent	✗ Interference	~ Drift over time	✗ Sunlight fails	✓ Full outdoor
Infrastructure-free	✗ Fixed cameras	~ Needs cameras	✗ Field emitters	✓ Wearable only	~ Partially	✓ Deploy anywhere
Precision	<0.1 mm Lab only	~ Moderate (video)	~1–5 mm Near metal	~5–10 mm Drifts	~1-3 cm Position only	0.3mm In the field
Multi-user / scale	~ Limited	~ Single subject	✗ <3m range	~ Signal conflicts	✓ Limited	✓ Simultaneous
Defense / field use	✓ Sim & training	✗	✓ Sim & HMD use	✓ Soldier & sim	✗ No field / Simulation defense - limited	✓ Primary market
SDK / platform	✓ NatNet SDK	~ API only	✗	✓ Full API	~ Limited	✓ Plug-and-play
	Infrastructure Heavy	Infrastructure Heavy	Short Range	Low Accuracy	Low Robustnes	Mission Ready

Why We Are Better

The Only System Built for the Real World

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Infrastructure Free

Deploy instantly, anywhere
No cameras, no markers, no setup



Real-World Ready

Works in sunlight, dust,
occlusion and large-scale
environments



High Precision at Scale

Sub-mm accuracy across
multiple users and objects,
simultaneously



Platform, not just a Product

Hardware + software + SDK
Integrates into any system

APPLIES ACROSS INDUSTRIES

- ✓ Defense (Initial Wedge)
- ✓ Robotics & Autonomous Systems
- ✓ Medical / Surgical Navigation
- ✓ XR / Spatial Computing

 SIGNAL LOCK:
100%

Market Opportunity

2025: **\$98.6B**

2034: **\$215B**

TAM: Robotics,
simulation, medical,
defense and XR

2025: **\$17B**

2034: **\$27B**

SAM: Motion
Infrastructure
market across Core
Industries

We capture value as a layer across multiple large and growing industries:



Autonomous
systems & Defense



Medical & Robotics
Simulation & Training



Spatial
computing for XR



AI Training
Environments

SENSORYX

**INFRASTRUCTURE
LAYER**

Providing the precision data layer
required for next-gen systems



Why Defense First



Sim Spending Exploding

Defense simulation market is growing rapidly (\$14.6B+) driven by modernization needs.



AI & Autonomy Demand

Autonomous systems and human-machine teaming require precise motion data.



XR Scaling Globally

Virtual and mixed reality training systems are deploying at scale worldwide.

Market Dynamics Gap



Performance-Driven Procurement

Defense buys based on specs and capabilities. Sensoryx's superior precision wins technical bake-offs.



High Budgets for Realism

Premium pricing is accepted for technology that delivers true-to-life training fidelity and safety.



Existing Systems Fail Outdoors

Competitors cannot handle sunlight, dust, or large areas, leaving a massive gap for our solution.



Long-Term System Lock-In

Once integrated into training platforms, the motion tracking layer remains for years.

Traction & Pipeline

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LIVE TRACKING

Contracted Revenue (2026)

€ 800K+

Already Signed & Secured from
**3 customers in defense
simulation & training (AXON,
Re-Lion, StretchSense).**

3 new customers (in defense,
surgical & robotics training) are
currently converting.

Key Segments

- 👥 Training System Integrators
- 🛡️ Defense Simulation Providers
- 🚀 Pipeline expanding rapidly in NATO markets

Clients:

- US
Axon & Rivet  
- Europe
RE-Lion & StretchSense  
- New Europe
Hologate  In signing



Recurring / Scalable

Platform License

Annual access to the core Sensoryx motion engine.

- ✓ Subscription access to advanced tracking algorithms
- + **Royalties on every product sold with embedded tech**



Unit Sales

Hardware System

Trackers embedded in equipment, wearables, and tools.

- Proprietary coin-sized sensor modules
- Local positioning engines (SX Hubs)
- High margin OEM hardware components



Professional Services

Integration

Non-Recurring Engineering: one-time system deployment into complex training environments.

- 🔧 Custom deployment and environment mapping
- 🔧 SDK/API implementation and software linking
- 🔧 Technical training and specialized support

 **Integration -> High-Margin Platform License +/- Hardware Model**

Expansion Strategy

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This is how Sensoryx becomes the **Motion Infrastructure Layer** for the physical world



STAGE 01

Defense

Proves outdoor tracking at scale.
We prove it here = it works anywhere.



STAGE 02

Robotics & Autonomy

Similar technical requirements, demanding autonomy in complex, real-world environments.



STAGE 03

MedTech Simulation

Field practice and Controlled environments require extreme sub-millimeter precision, absolute reliability and weightlessness.



STAGE 04

Spatial AI & XR

Huge scale potential across enterprise and consumer spatial computing platforms globally, and a reliable motion-data source for AI.



Each new market requires the same core element: **real-time motion data**, allowing us to expand without adapting the core technology.

The Ask

Seeking Seed Round

€5M

Funding

Goal

Make Sensoryx the global standard for infrastructure-free motion tracking in defense and beyond.

Use of Funds

Defense Deployments

Accelerate integration with training systems

40%

Engineering Expansion

R&D team growth & software platform

30%

New Markets

Pilot programs in Medical & Robotics

30%

18-Month Execution Roadmap

Deploy 6+ new pilots, secure RR contracts

Month 1-9



Expand other domains: robots/drones / medtech / AR glasses

Month 6-12



Scale defense footprint. Secure cross-sector contracts.

Month 12-18



Why Sensoryx Wins



01

Patented Sensor Fusion

Proprietary multi-sensor algorithms combining Ultrasonic, Optical, and IMU data for drift-free tracking.

IP PROTECTED



02

Sub-MM Precision

Achieving 0.3mm accuracy in real-world environments without requiring external cameras or infrastructure.

INFRA-FREE



03

Full Platform

Integrated hardware & software stack with plug-and-play SDK for rapid integration into any simulation engine.

SDK READY



04

First Market Validation

Technology already validated and deployed with top-tier defense integrators and simulation providers.

DEPLOYED



Core Team

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Engineering, Strategy and Market Execution

Dr. Rolf Adelsberger 

CEO & Founder



Dr.sc. in Electrical Engineering ETH;
Previously: IBM Research Zurich;
Development of operating system for
wireless sensor nodes.
Expert: electronics hardware design,
embedded systems, spatial
computing.

Inventor of gait monitoring system
and Sensoryx tracking system.

 Dr. Alberto Calatroni

CTO



Dr.sc. in Electrical Engineering, ETH.
Previously: founder of Bonsai
Systems. Production of sensors for
specialised applications.
Expert: wearable computing,
algorithms, signal processing.

Salar Shahna 

Marketing
Director



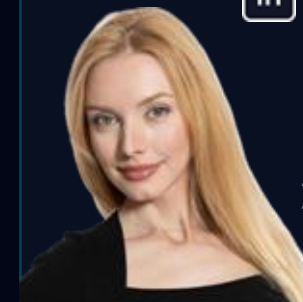
Focus: positioning, storytelling,
industry relations

Founder: World XR Forum, Dirty
Bacon Film Productions

Expert: XR ecosystems,
immersive technologies, strategic
narrative

 Stella Kot

Business
Development



Focus: partnerships, customer
growth, investor relations.

Founder: digital production and
AI services company

Expert: deal structuring,
partnerships, go-to-market



Motion tracking works in labs. Sensoryx made it work in the real world.



[Invest in us](#)

INFRASTRUCTURE-FREE PRECISION