

HumanoidHealthcare.AI

The Regulatory Software Brain
for Safe Humanoid Care



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The Problem

A Ticking Liability Time Bomb in Healthcare Robotics



**Patient
Safety Risk**



**Catastrophic
Manufacturer
Liability**



Regulation Gap

Unitree R1 @5,900
Soon in Homes

Why Now?

Technology is here. Regulation hasn't caught up.

1.6B people
aged 65+ by 2050



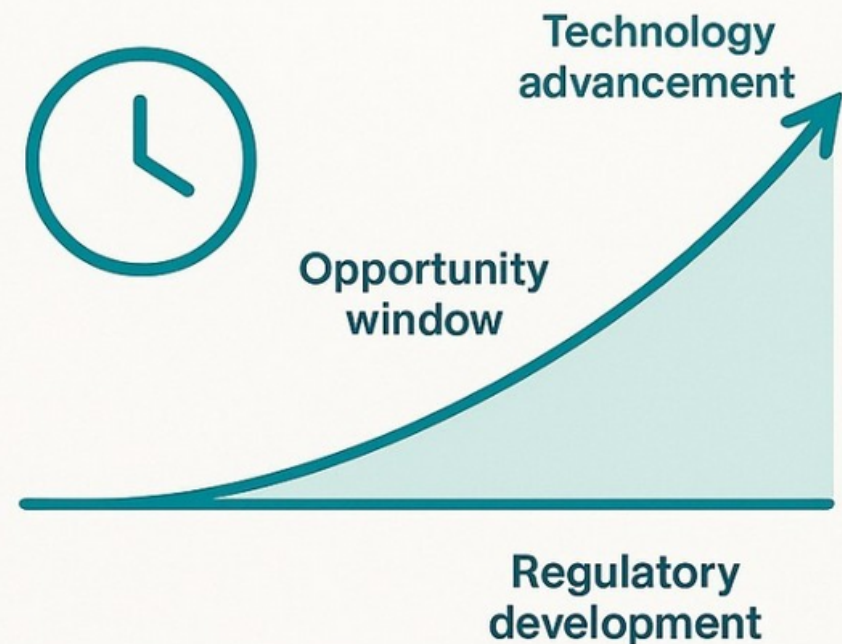
Aging populations
& caregiver shortages



Explosion of humanoid
R&D & falling prices



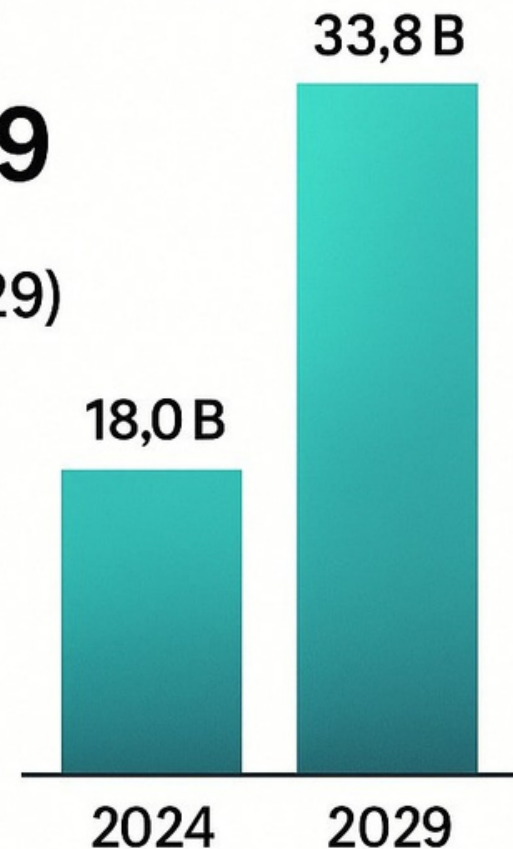
EU AI Act & FDA SaMD
frameworks = compliance inevitable



Medical Robots Market Growth

Medical Robots Market to Reach \$33.8B by 2029

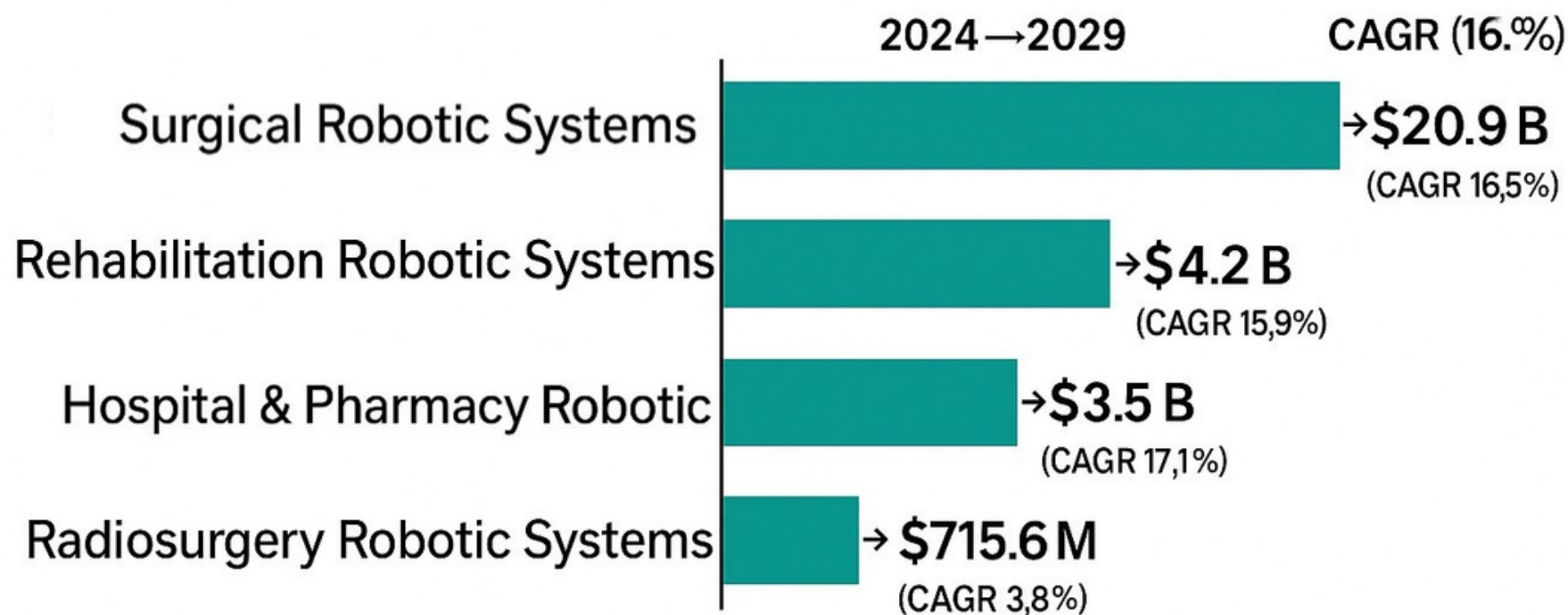
- Market: \$18.0B (2024) → \$33.8B (2029)
- CAGR: 16,1%
- Key drivers: Aging population, chronic disease, workforce hortages, AI-enabled robotics



Source: MarketsandMarkets, March 2025

Medical Robots Market Segments

Rehabilitation & Hospital Robots Among Fastest Growing



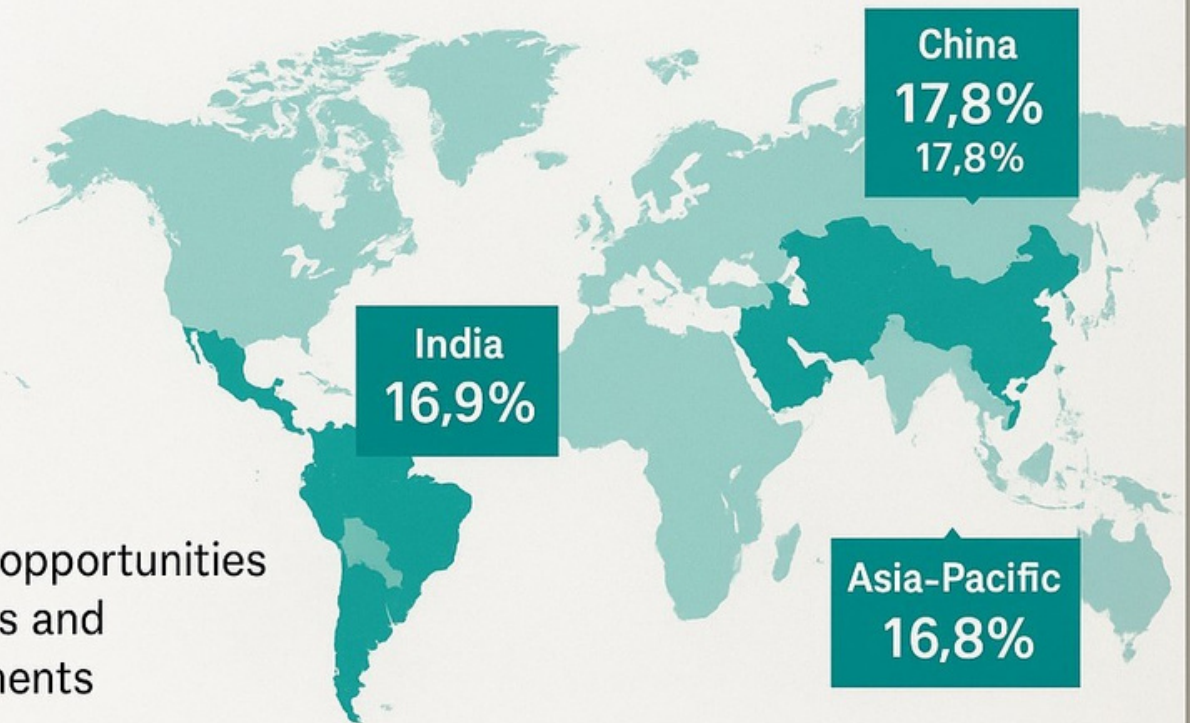
Source: MarketsandMarkets, March 2025

Geographic Opportunities & Trends

Global Growth Led by Asia-Pacific and Emerging Markets

Key geographic insights

- China; Highest CAGR (17.8%) 2024-2029
- India: Strong growth (16.9%)
- Developed markets (US, Germany): Steady growth at lower rates
- Emerging economies: Key opportunities through lower-cost devices and lighter regulatory requirements
- Asia-Pacific & Latin America: Fastest growth in telemedicine and automation-focused applications



Source: MarketsandMarkets, March 2024

Market Barriers & SaMD Opportunity

The Barrier is Not Demand — It's Compliance

Current Challenges



High Upfront Costs
(\$0.3–2.5M per system)



Regulatory Hurdles
(long, uncertain timelines)



Training & Adoption
(limited programs)



Patient/Provider Acceptance
(safety concerns)



SaMD Solution Unlocks Market



HumanoidHealthcare
SaMD

Explosive adoption in
home rehab & eldercare
humanoids

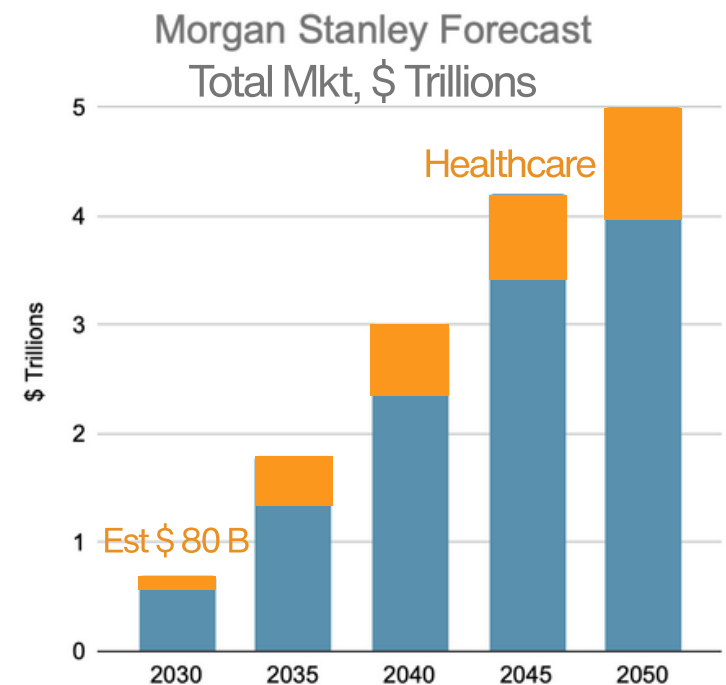
Source: MarrketsandMarkets, March 2025

Long-Term Market Outlook

Humanoids: A \$5 Trillion Market by 2050

Key takeaways from Morgan Stanley research

- The humanoid market could surpass \$5 trillion by 2050, including sales from supply chains and networks for repair, maintenance and support
- Adoption of humanoids is likely to accelerate in the late 2030s with improved technology as well as greater regulatory and societal support
- Although humanoids are still under development, there could be more than 1 billion by 2050, with 80% used for industrial and commercial purposes



Source: Morgan Stanley, May 14, 2025

Note: This forecast was made BEFORE the new Unitree R1 general purpose Home Humanoid competitive price of \$5,900 - likely to **accelerate adoption**

Our Solution

The SaMD Software Brain:



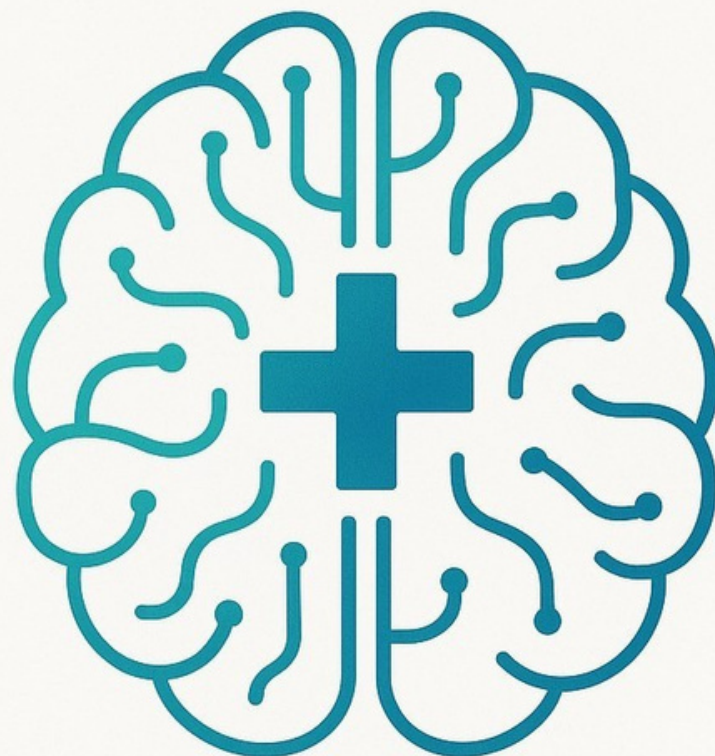
**PROTECT
PATIENTS**



**SHIELD
OEMs**



**INDUSTRY
STANDARD**



Product & Technology

Regulation-first architecture, built to scale

- Modular: integrates with any humanoid platform
Follow [TOGAF](#) Enterprise Architecture
For Sensor / EHR data - [HL7 FHIR](#)
- Compliance-ready: ISO 13485, IEC 62304, FDA, EMA
- Patient-centric by design



Patient/Clinician



SaMD Safety Layer



Robot Hardware

Regulatory Advantage

**Regulation is not a barrier.
It's our moat.**



Competitors avoid
regulation → exposed



We turn compliance
into defensibility



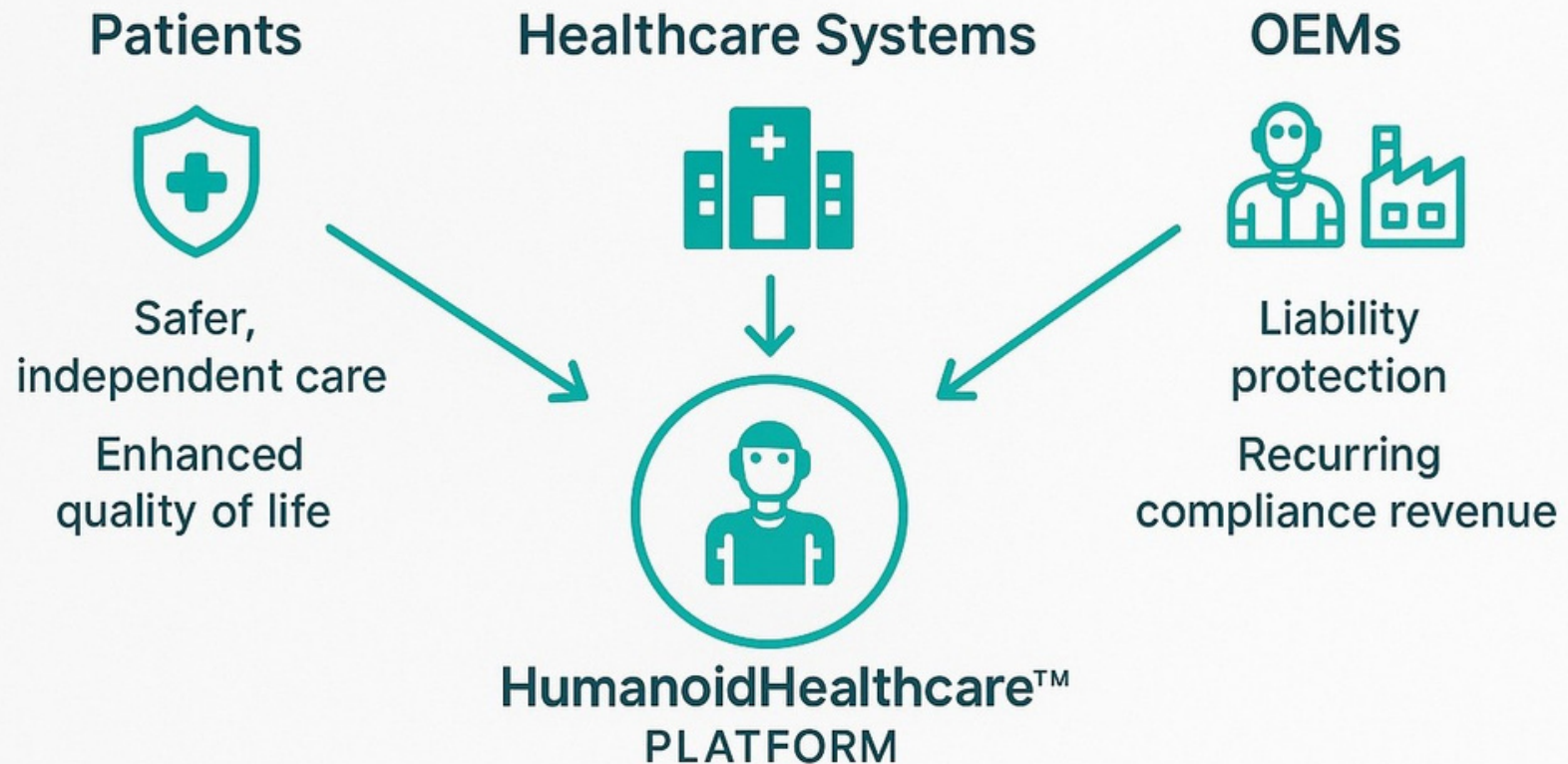
Data-Driven Business Model (DDBM)

Platform orchestrator of the entire humanoid healthcare ecosystem



High-margin recurring revenues built on regulatory lock-in

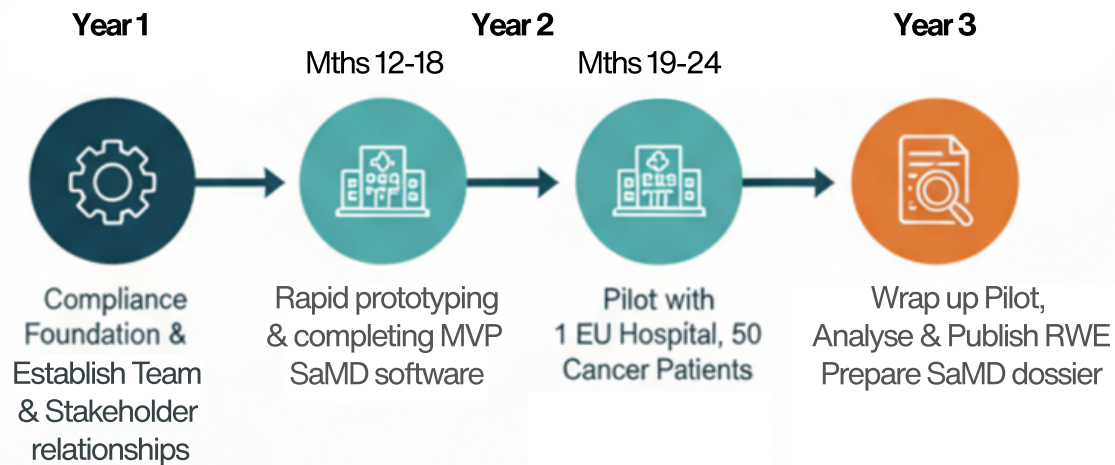
Triple Win Ecosystem



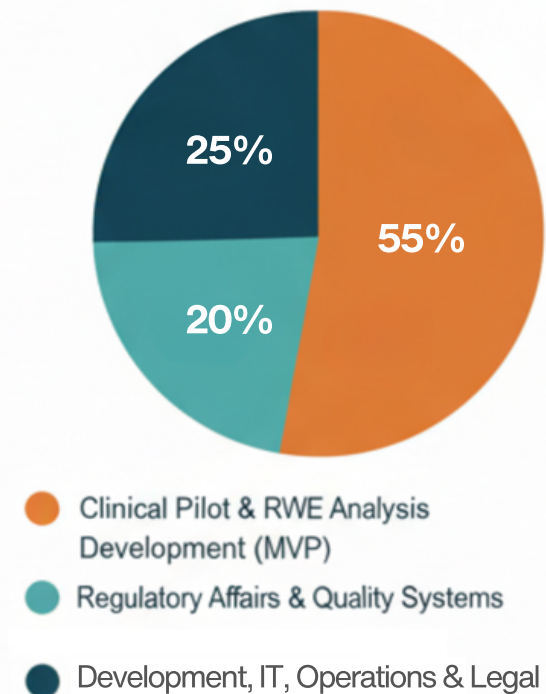
We are the orchestrator and central nervous system of humanoid healthcare.

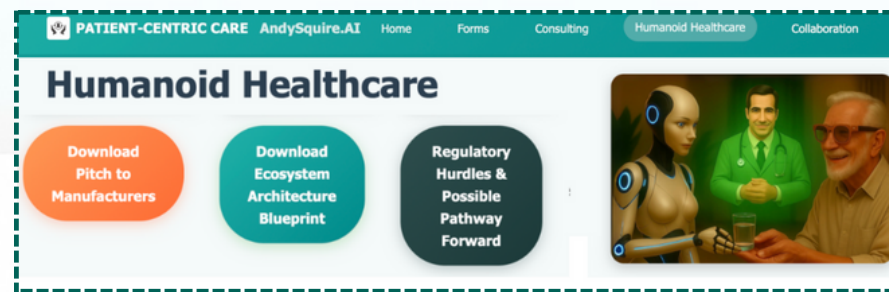
Roadmap & Use of Funds

\$3M Seed builds compliance foundation & validates SaMD



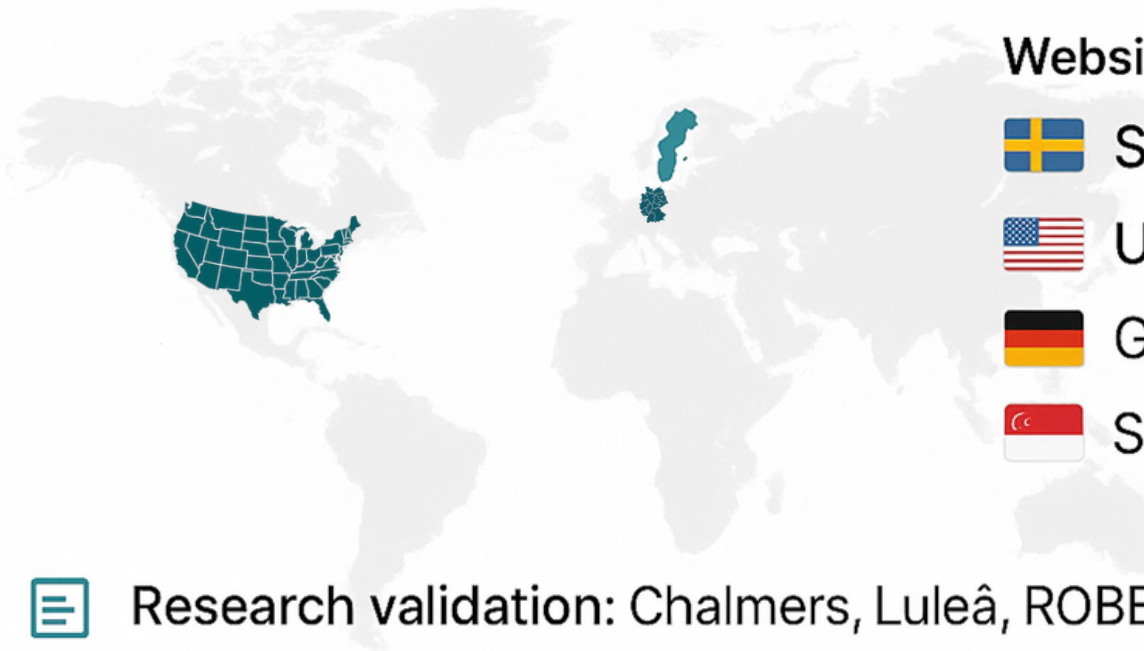
Use of Funds





Traction/Proof

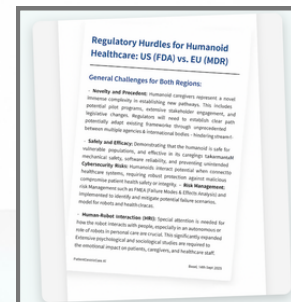
Global interest, early momentum:



Website traffic (last 30 days):

	Sweden	34,5 k
	USA	27,7k
	Germany	21,2 k
	Singapore	9,2k

-  Research validation: Chalmers, Luleå, ROBERT® rehabilitation robot
-  Regulatory pathway defined





PatientCentric
Care.AI

Team & Advisors



Andy Squire – Founder

35 yrs Pharma Insights, Digital CX, Business & IT
2x cancer survivor & independent Advocate

Advisory Network:



Regulatory Affairs
Medical SaMD, MDR



Robotics Engineers
HRI Hardware & Software



Clinical Oncology
Hospital IT



Ethics & Patient
Advocacy & CX

andy@PatientCentricCare.AI

15th Sept, Basel Switzerland