

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?

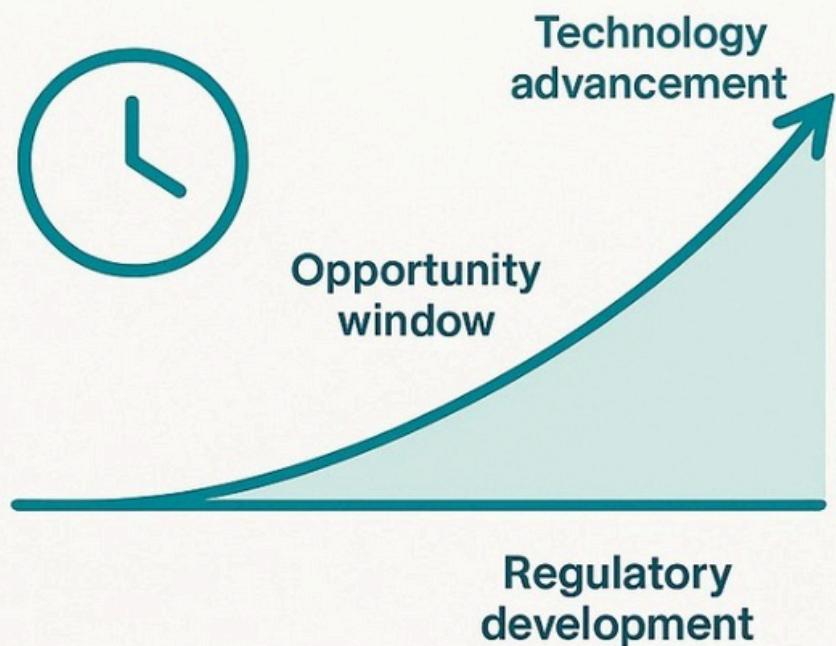
Technology is here. Regulation hasn't caught up.

**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

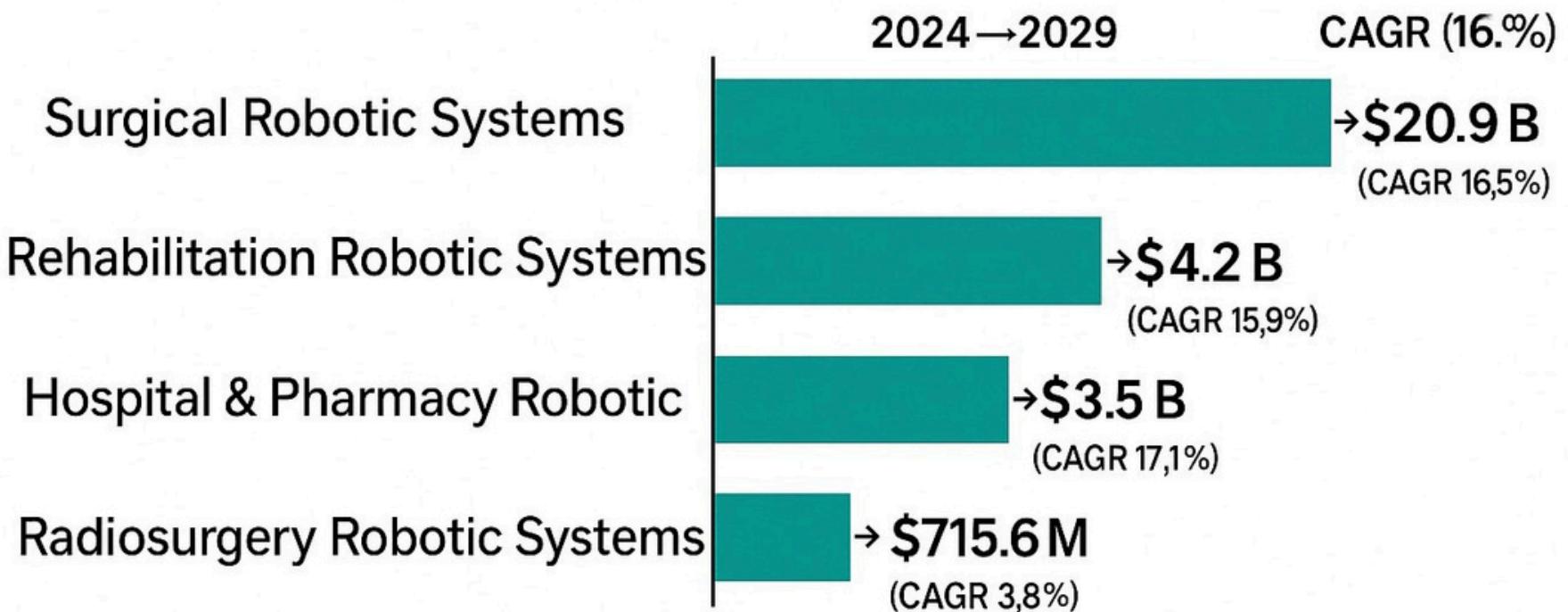
- Market: \$18.0B (2024) → \$33.8B (2029)
- CAGR: 16,1%
- Key drivers: Aging population, chronic disease, workforce shortages, AI-enabled robotics



Source: MarketsandMarkets, March 2025

Medical Robots Market Segments

Rehabilitation & Hospital Robots Among Fastest Growing



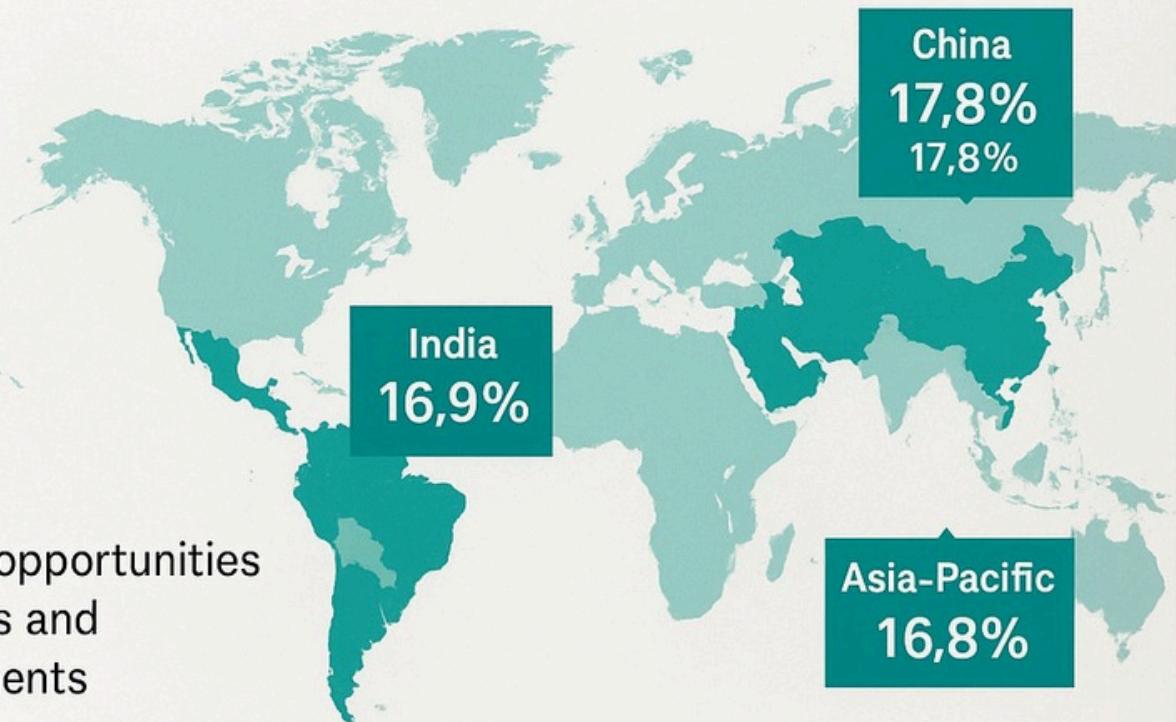
Source: MarketsandMarkets, March 2025

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

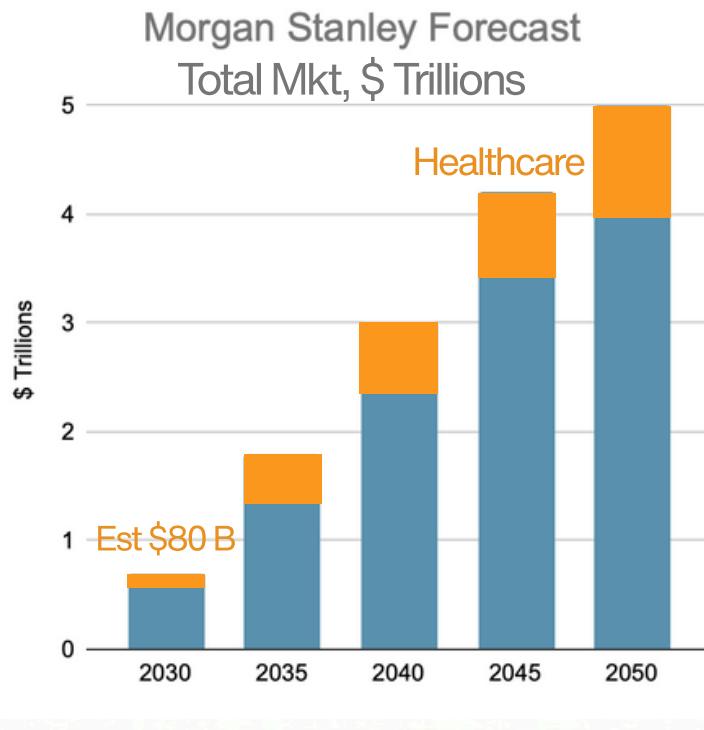
Source: MarketsandMarkets, March 2025

Long-Term Market Outlook

Humanoids: A \$5 Trillion Market by 2050

Key takeways from Morgan Stanley research

- The humanoids 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

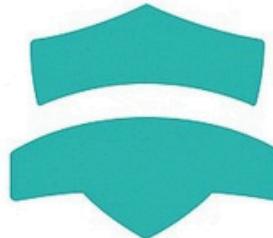
Note: This forecast was made BEFORE the new Unitree R1 general purpose Home Humanoid competitive price of \$5,900 - likely to **accelerate adoption**

Our Solution

The SaMD Software Brain:



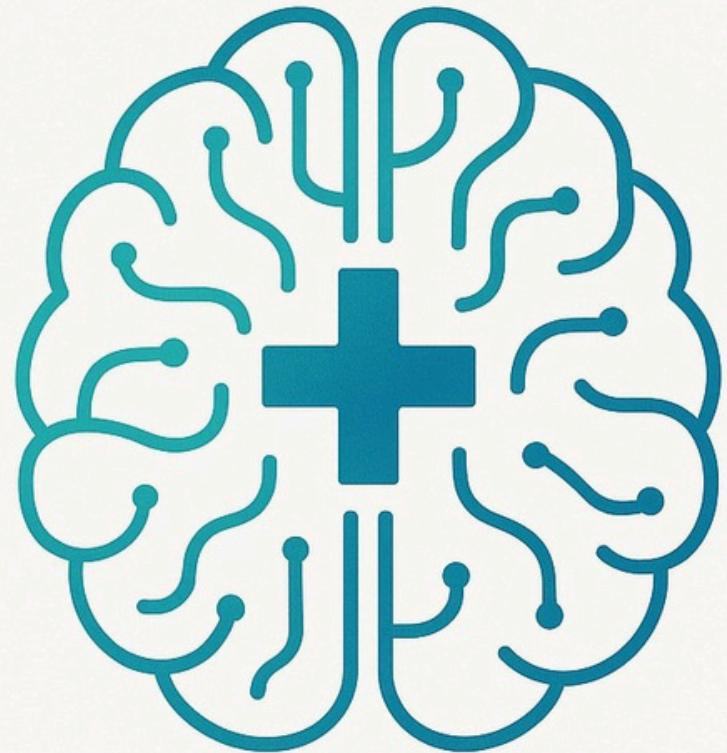
**PROTECT
PATIENTS**



**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



Partnership Revenue

Joint ventures with OEMs, white-label deployments



Third-Party Licensing

APIs and IP licensing for app developers/insurers



SaMD Licensing

Per-unit licensing for compliance & safety layer



DaaS (Data as a Service)

Predictive algorithms, real-world evidence to hospitals/payers/pharma

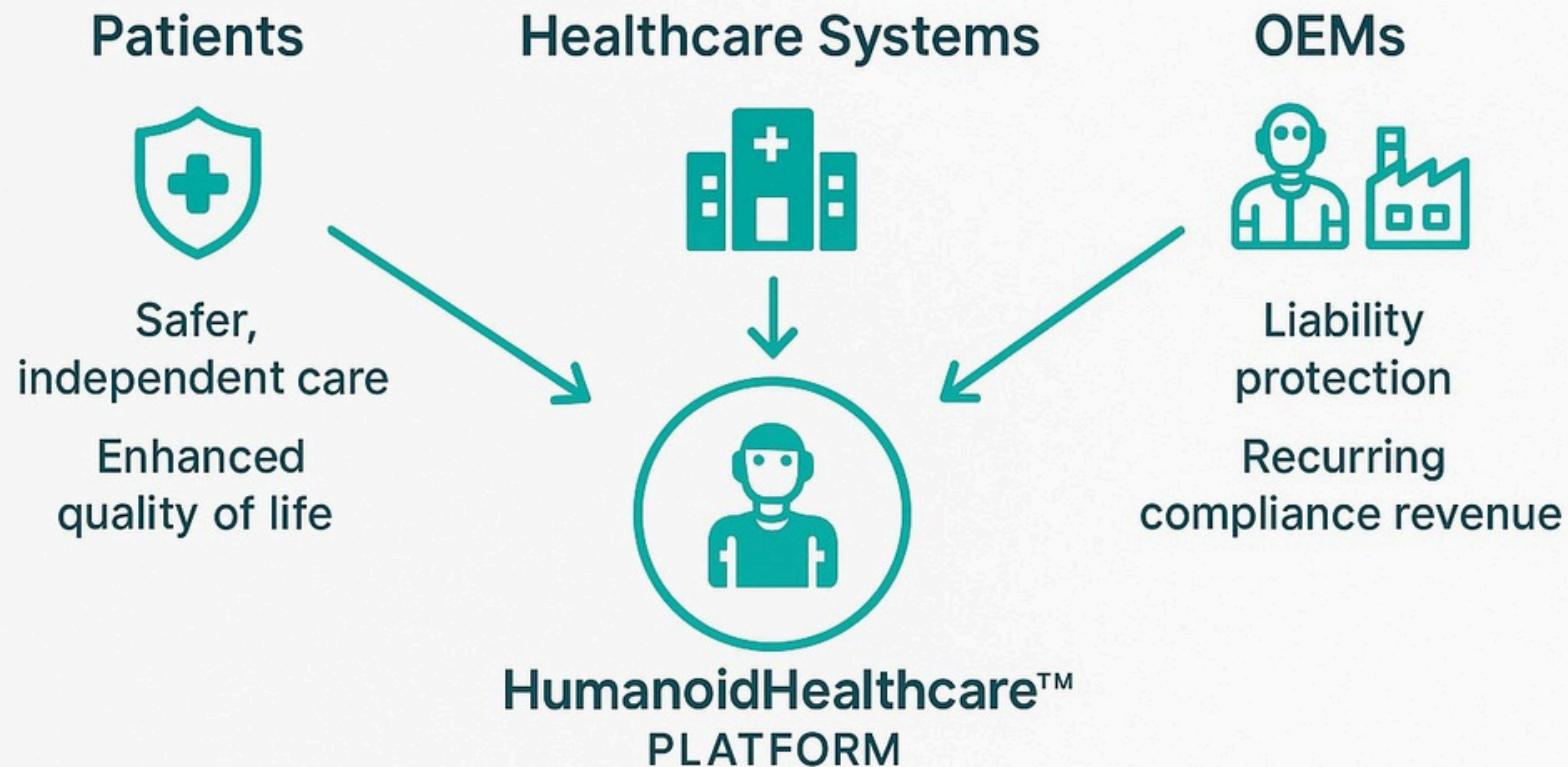


HaaS (Hardware as a Service)

Rental/maintenance partnerships with OEMs

High-margin recurring revenues built on regulatory lock-in

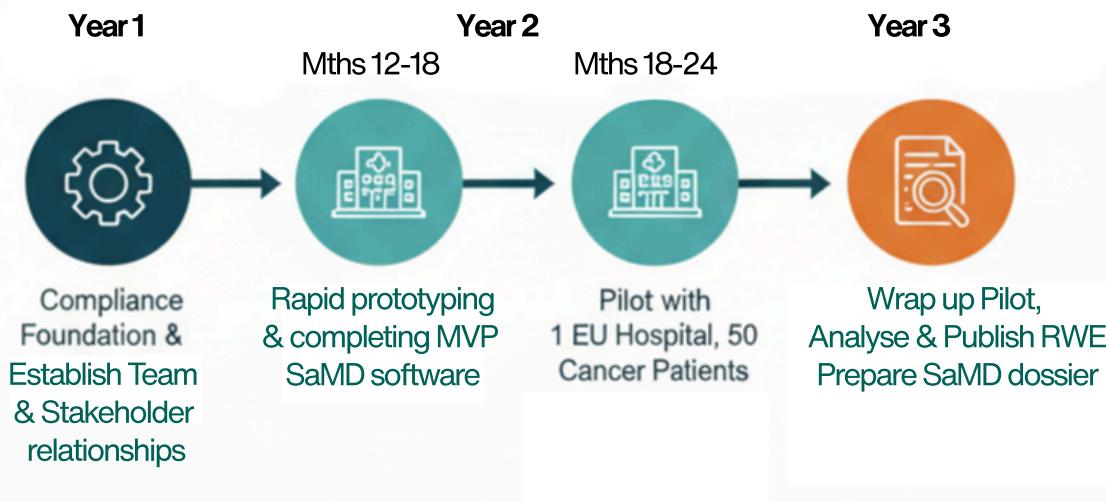
Triple Win Ecosystem



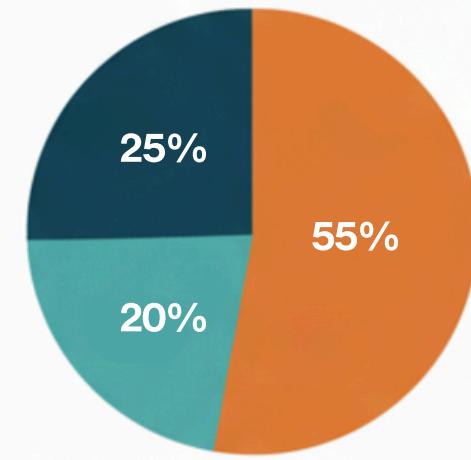
We are the orchestrator and central nervous system of humanoid healthcare.

Roadmap & Use of Funds

\$3M Seed builds compliance foundation & validates SaMD



Use of Funds



- Clinical Pilot & RWE Analysis Development (MVP)
- Regulatory Affairs & Quality Systems
- Technical Team, Operations & Legal

Traction/Proof

Global interest, early momentum:



The screenshot shows the website's navigation bar with links for PATIENT-CENTRIC CARE, AndySquire.AI, Home, Forms, Consulting, Humanoid Healthcare, and Collaboration. Below the navigation, there's a section titled "Humanoid Healthcare" with three buttons: "Download Pitch to Manufacturers" (orange), "Download Ecosystem Architecture Blueprint" (teal), and "Regulatory Hurdles & Possible Pathway Forward" (dark green). To the right is a small image of a humanoid robot interacting with two people.

Website traffic (last 30 days):

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

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



Regulatory Hurdles &
Possible Pathway Forward



PatientCentric
Care.AI

Team & Advisors



Andy Squire – Founder

35 yrs IT/business, 2x cancer survivor

Advisory Network:



Regulatory Affairs

Ex-FDA SaMD specialist



Robotics Engineers

Former Boston Dynamics lead



Clinical Oncology

Mayo Clinic department head



Ethics & Patient Advocacy

Healthcare policy expert