Our Advisory Board

Brock Pierce

Brock Pierce is a billionaire pioneering entrepreneur and former child actor, renowned for his significant contributions to the cryptocurrency industry. As a co-founder of Blockchain Capital and the Bitcoin Foundation, he has been instrumental in advancing decentralized technologies. Pierce's innovative vision continues to influence the future of digital finance.

Pierce retired from acting at 16 and joined as a minor partner with Marc Collins-Rector and Chad Schackley in establishing Digital Entertainment Network (DEN), which raised **$88 million** in venture capital. Brock is the vice chair and spokesperson of the U.S. Marines Toys for Tots Foundation of New York, Long Island and Puerto Rico.

12

Our Advisory Board

Christine Peterson

Christine Peterson is the Co-Founder & Past President of Foresight Institute, the leading nanotech public interest group. She is credited with suggesting the term "open source" when used in connection with software.

She serves on the Advisory Board of the Machine Intelligence Research Institute, and has served on California's Blue Ribbon Task Force on Nano technology and the Editorial Advisory Board of NASA's Nanotech Briefs. She lectures on nanotechnology to a wide variety of audiences, focusing on making this complex field understandable, and on clarifying the difference between near-term commercial advances and the **"Next Industrial Revolution"** arriving in the next few decades.

11

Global Positioning Advantages

United States

- Likely to lead in open-source development for large language models (LLMs).
- LLMs will serve as the "AllSpark" powering hardware.
- Expected to be the largest consumer market for home robots.
- Will be the global center for marketing and branding.

India

- The Government of India is dedicated to leading innovation and development in robotics.
- Positioned to excel in providing the necessary innovation and engineering talent to support industry growth.

China

- The world’s largest market for industrial robots
- Accounts for about one-third of the world's total industrial robot installations, with around 140,000 to 180,000 units annually.
- Aiming to have around 500 robots per 10,000 workers by 2025.
- The Ministry of Industry and Information Technology (MIIT) is pushing for humanoid robot mass production by 2025, targeting a $100+ billion market by 2030.
- Likely winner in hardware

Our team's global talent sourcing and relationships uniquely position us to harness the strengths of all three major geographies as we enter into the golden era of robotics.

Why We Will Win A Majority Market Share .

Achieving market dominance in robotics is predicated on having the right scaling powers in place.

By setting ourselves up as an open source company we believe we are primed to become THE hardware solution.

Our foresight into the expected robotics shortage based on rapid capabilities increase trajectories tracking gives us the oppurtunity to front run all companies focused on longer term manufacturing scale plans.

12

OPEN DROIDS

Focusing On

Speed, Brand, Scale

By focusing on scaling through existing hardware manufacturing we lead 2 years ahead the scale of optimus and other OEM humanoid robot manufacturers.

Optimus Production Cap:

- 2024: 1,000 units
- 2025: 10,000 units
- 2026: 100,000 units
- 2027: 1,000,000 units
- 2028: 10,000,000 units
- 2029: 100,000,000 units

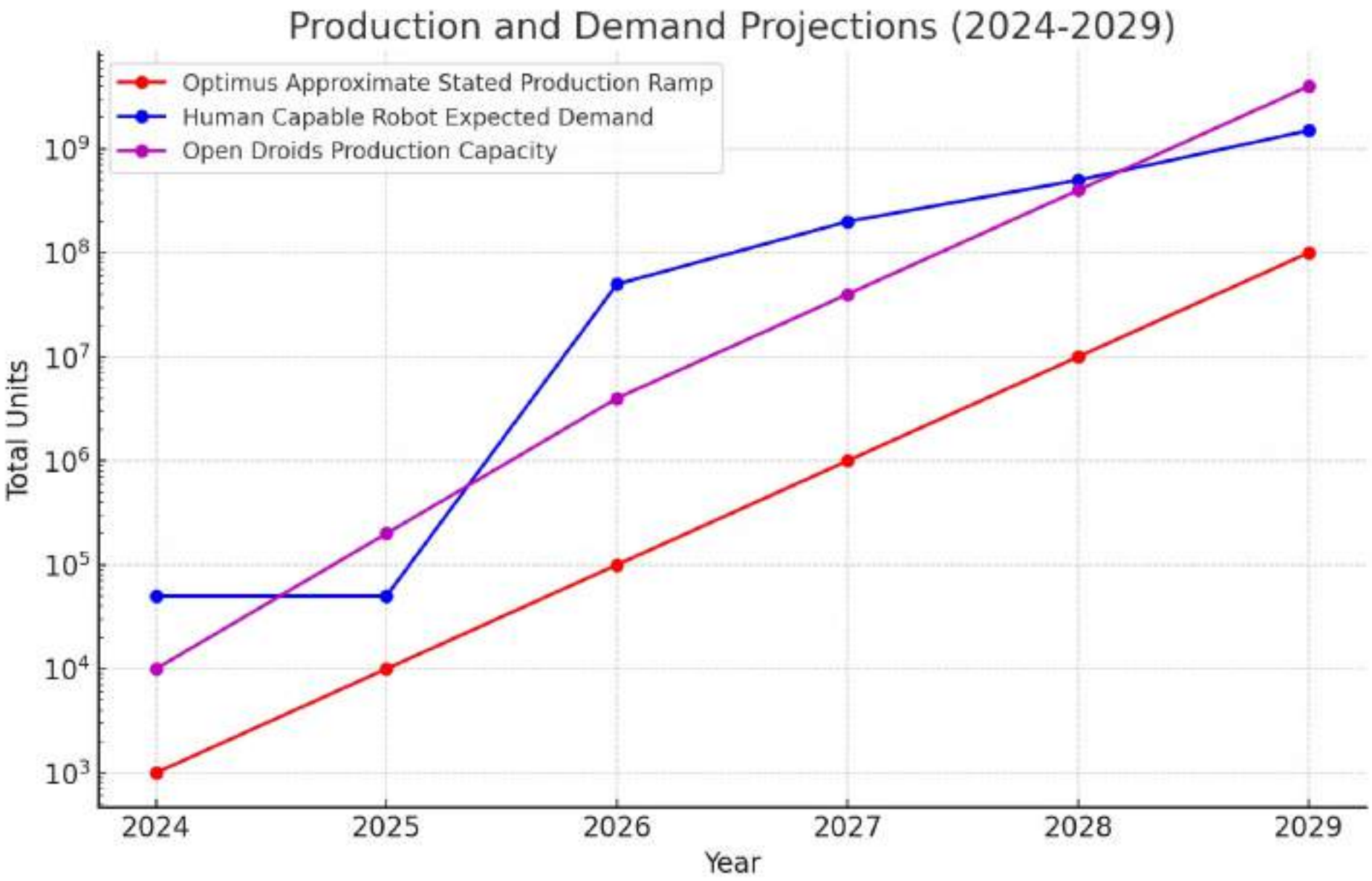
Our Production Capacity Capability

- 2024: 40,000 Units
- 2025: 200k Units
- 2026: 4m Units
- 2027: 40m Units

Expected Robot demand:

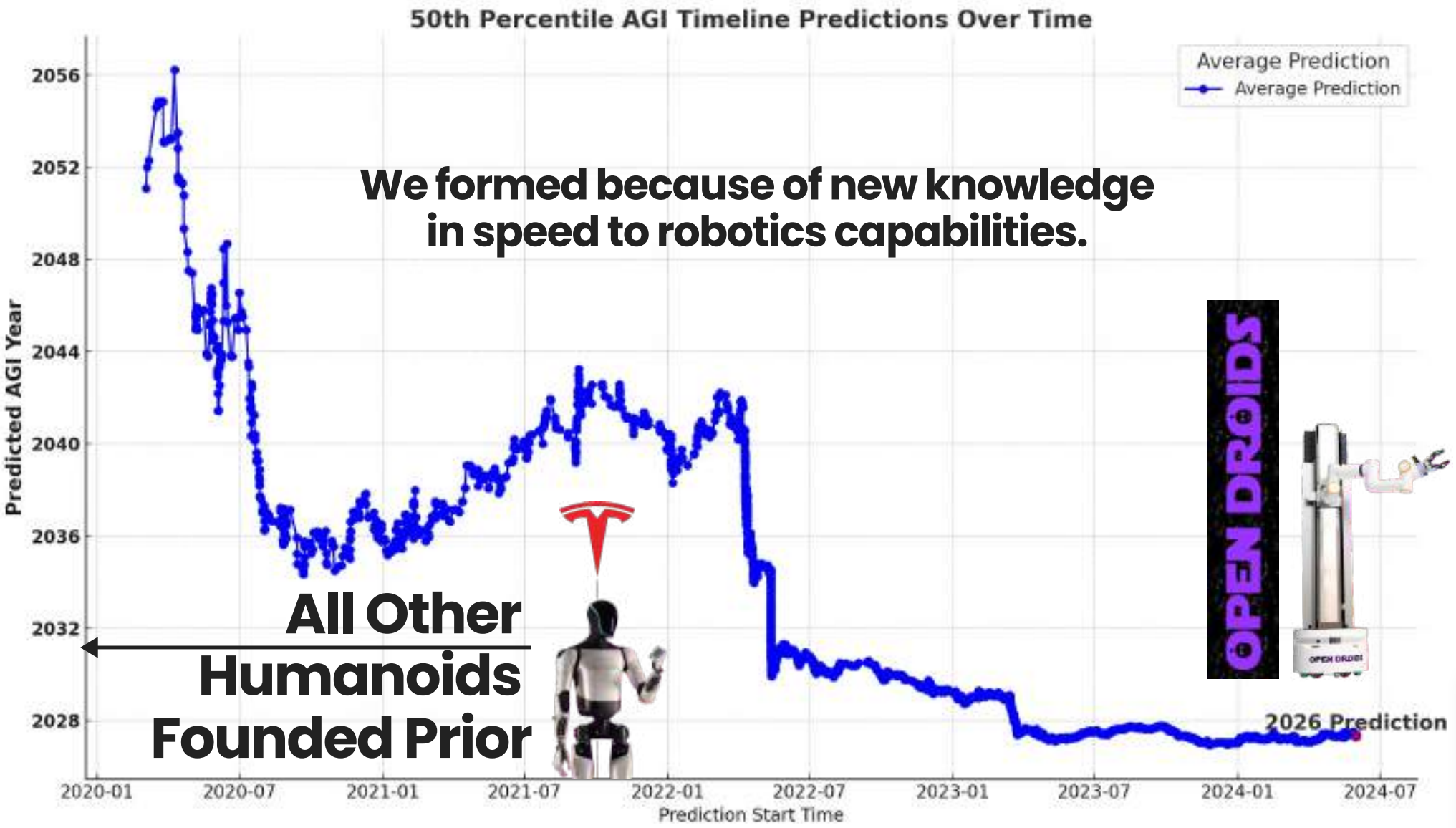
- 2024: 60,000
- 2025: 60,000
- 2026: 50,000,000 units
- 2027: 200,000,000 units
- 2028: 500,000,000 units
- 2029: 1,500,000,000 units

08

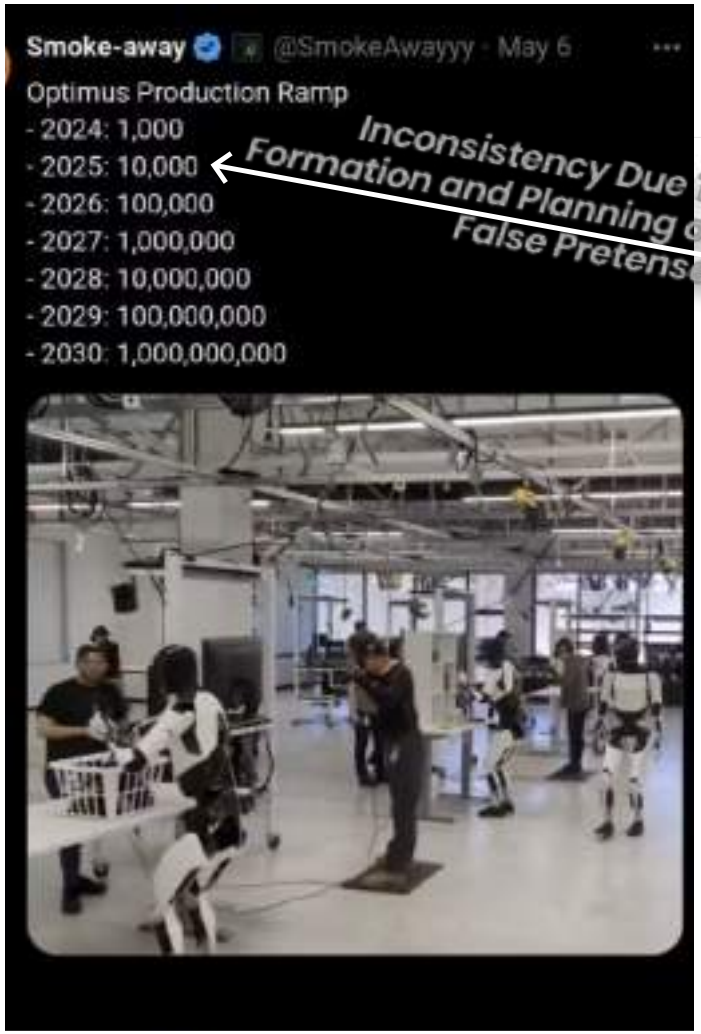

Production and Demand Projections (2024-2029)
Optimus Approximate Stated Production Ramp
Human Capable Robot Expected Demand
Open Droids Production Capacity
Total Units
10^9
10^8
10^7
10^6
10^5
10^4
10^3
2024
2025
2026
2027
2028
2029
Year

08

18 / 24



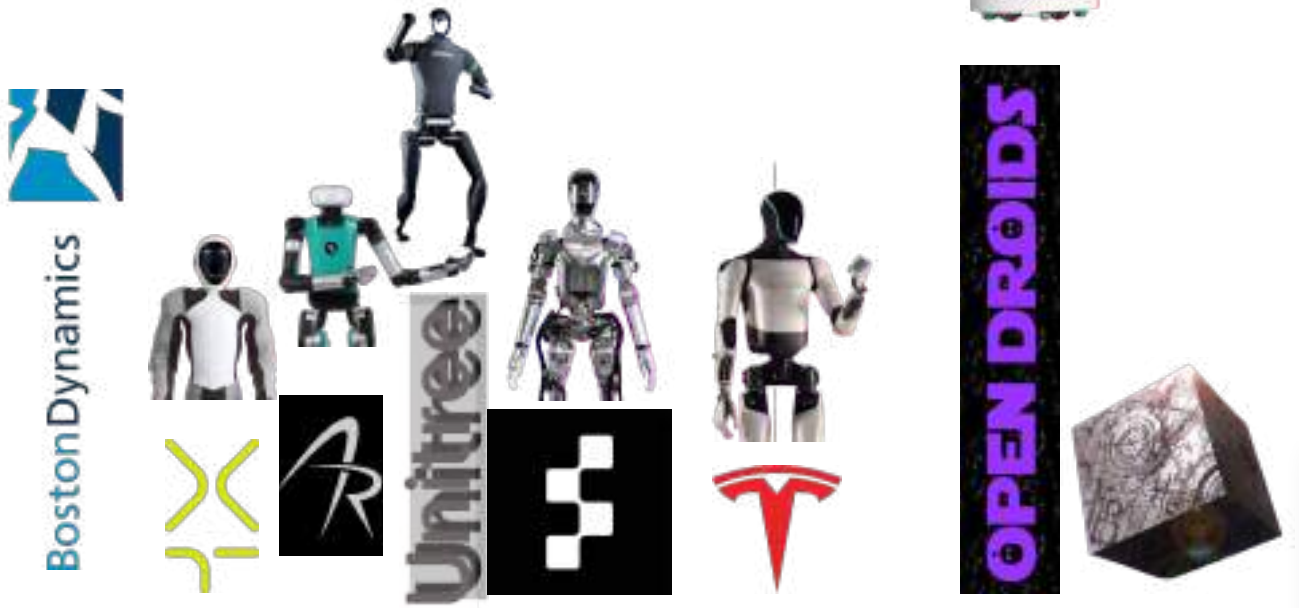
08 Source: https://www.metaculus.com/questions/3479/date-weakly-general-ai-is-publicly-known/


Smoke-away @SmokeAwayyy · May 6
Optimus Production Ramp
- 2024: 1,000
- 2025: 10,000
- 2026: 100,000
- 2027: 1,000,000
- 2028: 10,000,000
- 2029: 100,000,000
- 2030: 1,000,000,000
Inconsistency Due To Formation and Planning on False Pretenses


Elon Musk
@elonmusk
quite that fast, but not far wrong


Logan Kilpatrick @OfficialLoganK · May 25
How long until AGI?
446
110
1K
332K
Elon Musk
@elonmusk
Subscribe
Next year
11:04 AM · May 25, 2024 · 366.2K Views
311
393
2.1K
249


OPEN DROIDS


Boston Dynamics
Unitree
OPEN DROIDS
92
14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27
Founding Year

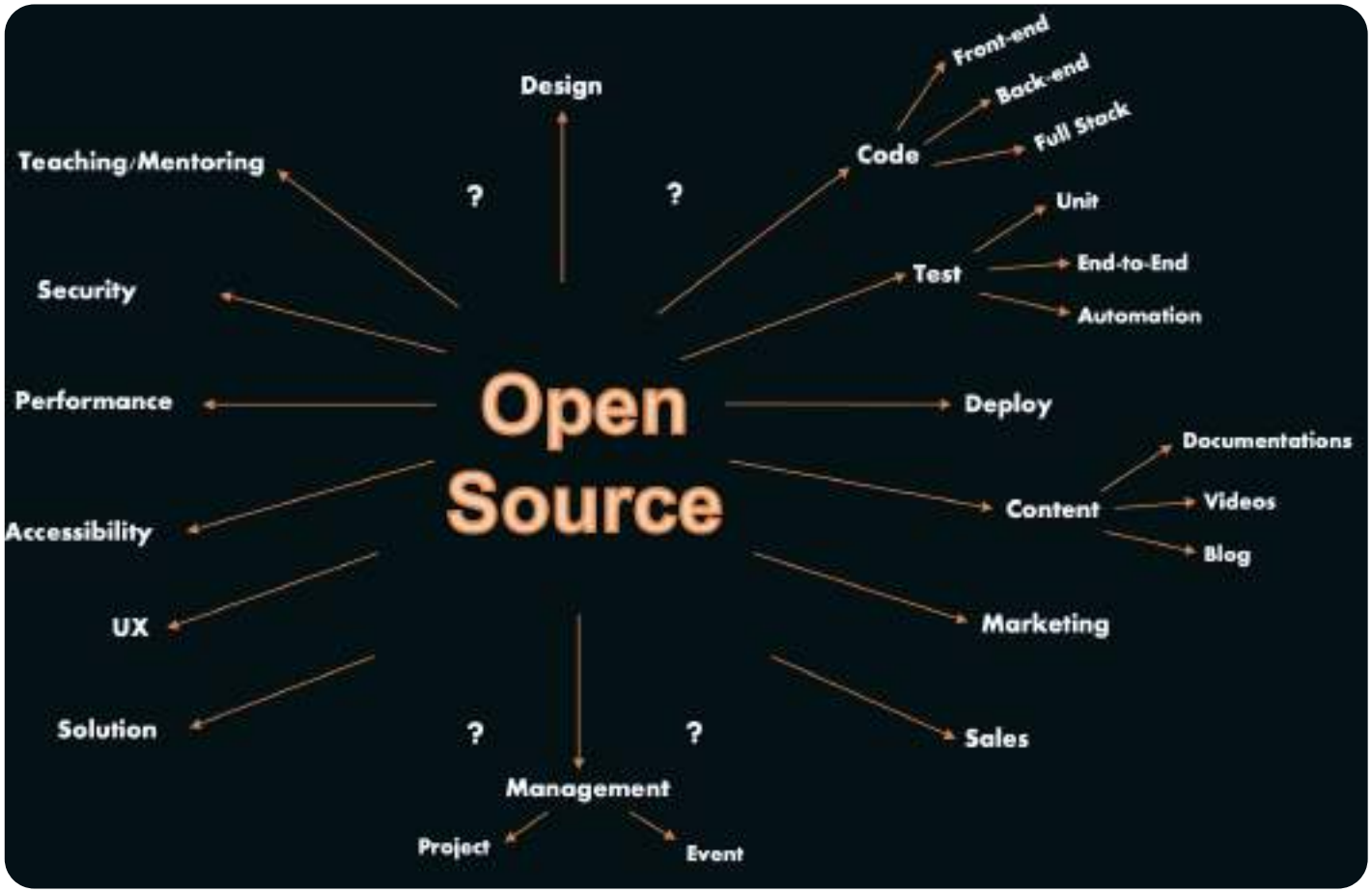
08

16 / 24

OPEN DROIDS

Open Source Platform

Building the Robotics app store to allow businesses to be built on top of our hardware.



16

15 / 24

OPEN DROIDS

Wait, theres no TAM?

Production Ready For Market: Universities, Robotics Labs

Customer Base: 11k to 16k

TAM: $233.3m

TAM Gross Profit: $74.1m to $101.1m

Unit Hard Costs: $8,200

Unit Retail Price: $14,500

R1D1 Leasing Price: **$266 to $280 / month**

Presale Market: Households > 100k/month

Customer Base: 138 Million Households

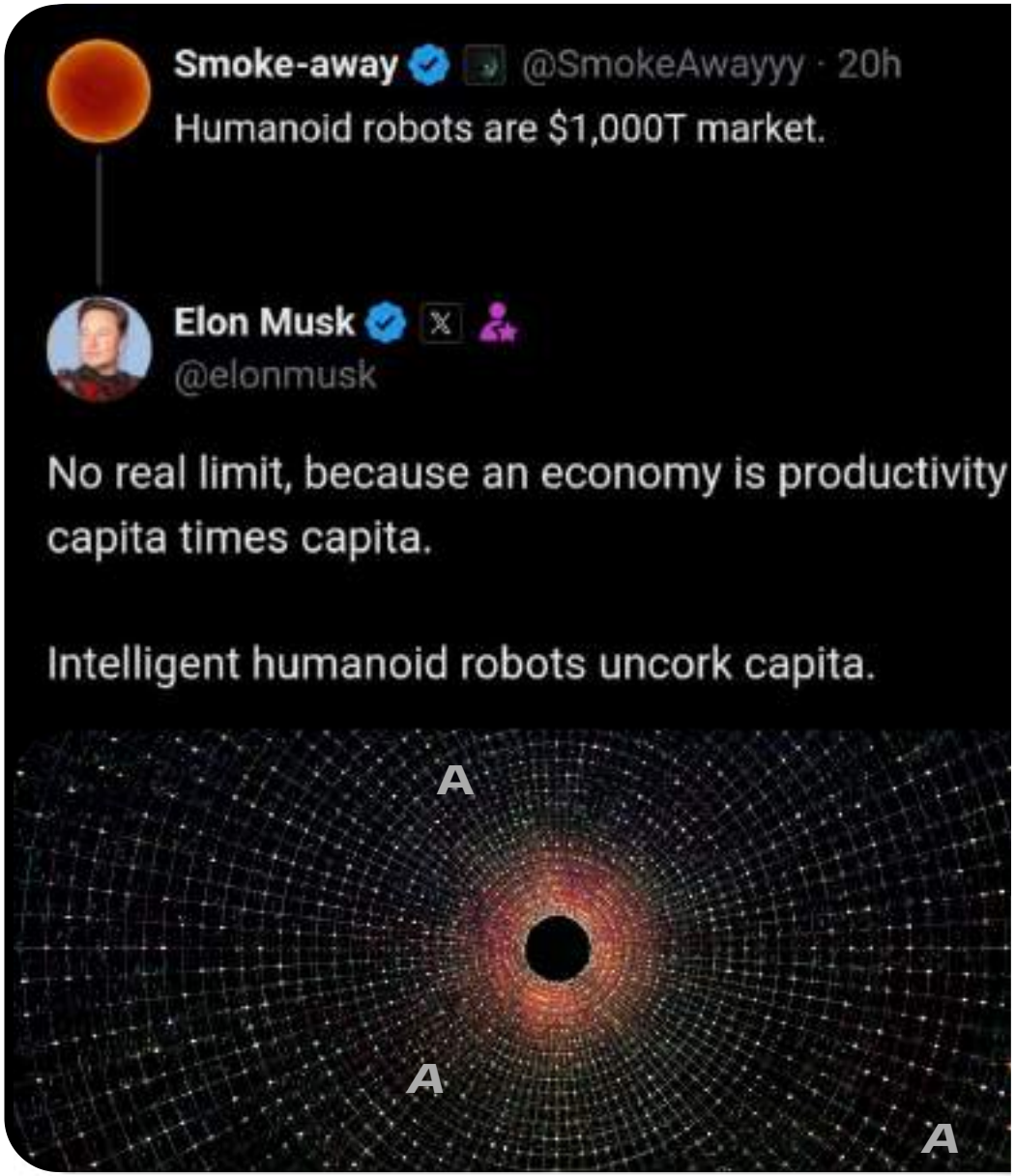
TAM: $1,035b

TAM Gross Profit: $276b to $690b

Unit Hard Costs: $2,500 to $5,000

Unit Retail Price: $4,500 to $7,500

R1D2 Leasing Price: **$82 to $145 / month**



02

14 / 24

Multiple Hundred Billion Dollar TAM sectors in Robotics.

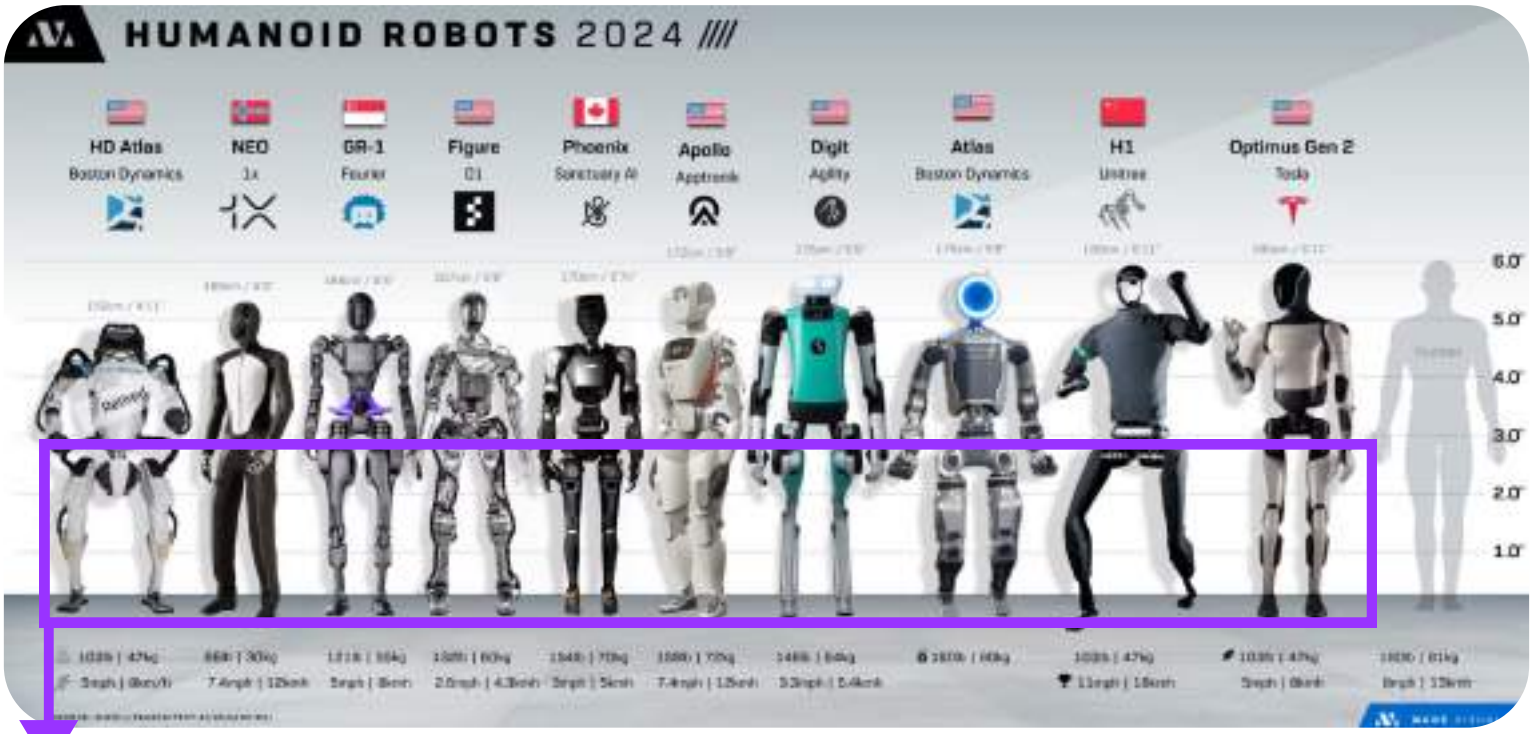
Intial Market: Healthare
Customer Base: 1.6 Million In USA Nursing Homes
>200 Million In At Home Care

Intial Market: Retail / Restaurants
Customer Base: 3,119,178 Retail Trade Businesses

02

Let’s Not Reinvent The Wheel

We are proof that Human Capable robotics, that are built from 1st principles rather than conforming to natural world evolution are less expensive, more scalable in manufacturing, and we believe early on will capture the market before humanoid styles.



Overpriced & Over-engineered

04

Competitors

Valuation: $1.1 billion (2021)

- Boston Dynamics was acquired by Hyundai Motor Group in 2021 for $1.1 billion. Hyundai now holds an 80% stake in the company, with SoftBank retaining the remaining 20%.

Valuation: Approximately $500 million (2023)

- Agility Robotics raised $150 million in a Series B funding round in 2023.

Valuation: $2.6 billion (2024)

- Figure AI recently raised $675 million in Series B funding, with investments from Microsoft, OpenAI Startup Fund, NVIDIA, Jeff Bezos, Parkway Venture Capital, Intel Capital, Align Ventures, and ARK Invest.

14

OPEN DROIDS

Contrarian Occam's Razors

Misconception: General robotics should focus on humanoids
Our Belief: **Robots don't need to mimic human form to be effective. For example, a robot on wheels can efficiently serve the majority of home and business applications while focusing on affordability.**

Misconception: The market size of robotics is projected to reach $60 billion by 2028
Our Belief: **Despite this respectable projected growth rate, advancements in AI, computer vision, and robotics manufacturing and investments will likely drive the industry to be significantly larger by then.**

Misconception: The robotics field already has well funded major players, its too late to start.
Our Belief: Many current designs fail to balance affordability and functionality effectively `and were started without a recognition of AI's pace. Coming in with a more clear understanding of capabilities enabled us to choose open source, and not focus on our own models.

13

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What We Know:

Ai Capabilities Are Moving Faster Than Humanoid Robotics Manufacturing Is Scaled Up For.

Generally intelligent model releases will enable robotics companies to not worry about large training runs.

Instead, following the paradigm of agentic frameworks today, Open source communities will lead the creation of novel architectures and implementations. We want each new capability to happen on our hardware, taking advantage of natural virality.

07

9 / 24

OPEN DROIDS

Our Team

Our engineering team is rapidly expanding, with recent strategic recruitment from the prestigious IITs and ongoing efforts to attract top talent globally.

Priyansh Sinha
Robotics Software Engineer & AI Researcher

Yugmil Patel
Mechatronics Engineer & Firmware Developer

Tarak Maniar
Marketing Head & Graphic Designer

18

About the Team

Jack Jay

Jack's expertise lies in first principles thinking and growth hacking. Built the first PayPal to ETH exchange in 2017 as a college dropout and has had 2 small exits.

Marketing savviness includes:
Generating over 19 billion views for Pudgy Penguins placing them as the top NFT collection in the world. R a creator house and influencer league in LA with creators from Disney and Hype House with followers totalling over 400 million. House was featured on Snapchat TV here: Snapchat. Launched Viral Studio with Sebastian Paredes leading to 5 million followers gained in 1 month for @LawByMike

09

About the Team

Ashish Gupta

Ashish brings global experience in strategy, M&A, and operations across various industries. He previously held senior management roles at large Fortune 500/1000 public industrial and manufacturing companies like Solutia and Eastman Chemical Company.

Throughout his career, he has worked on over 25 M&A transactions ranging from $20 million to $3 billion. As an investment banker, he played a key role in listing multiple companies on NASDAQ and NYSE, including Act II Global Acquisition Corp and Matlin and Partner Acquisition Corp through SPACs.

Mr. Gupta received his MBA from Washington University in St. Louis and his BS in Chemistry and Math from the University of Delhi, India.

About the Team

Abhishek (Abhi)

Abhishek is a Electronics Hardware Design Engineer turned repeat founder with a Master's in Electrical Engineering (VLSI) from the State University of New York at Stony Brook, USA, and an MBA in Finance and Entrepreneurship from the University of Montreal, Canada

Abhishek was the founding engineer of 2 prior startups which both had exits. Before that he worked as a hardware and designs engineer for the US Department of Energy, and led a team to successfully launch and commercialize the telecommunication arm of Reliance Industries.

OPEN DROIDS

Our Teams Edge

- Expertise in AI and hardware design
- Proficiency in recruiting top talent.
- Strong late stage + IPO financing relationships.
- Marketing expertise utilizing new media techniques.
- A demonstrated and relentless passion to serve humanity with innovative solutions.

16

4 / 24

OPEN DROIDS

Founding Team

Abhishek Gupta

Jack Jay

Ashish Gupta

18

OPEN DROIDS

Introducing R1D1

The lowest cost human capable robot on the market today.

Weight: **154lbs**
Lifting Capacity: **6.6lbs**
Width: 1.6ft
Height: **5.5ft**
1080p 60 FPS Vision on Arm
Lidar and ultrasonic sensors
Auto Returns To Charger
Movement Speed: **3.2 feet/s**

06

2 / 24

Help Us Avoid Skynet, And Build Skillnet.

Email
admin@opendroids.com

Social media
LinkedIn: Open Droids
Instagram: @opendroids
Twitter: @DroidsOpen

Website
www.opendroids.com

20