SingularityNET
The platform for the decentralized AI economy
AI Is Everywhere

Trading
Over 1,300 hedge funds use AI to trade billions in securities

Robotics
AI systems are used for surgery, manufacturing, and design

Big Data
Tech giants use AI to process billions of real-time data points
Major Roadblocks Remain

No Cooperation
- Zero interoperability standards exist

Zero Coordination
- Inability to use external datasets or capabilities

Structural Limitations
- There is no formal infrastructure for AI data cooperation
AI Cooperation Is the Missing Link
The ability to cooperate allows AIs to coordinate valuable datasets and unique capabilities at scale. Cooperative AIs can:

- Purchase new capabilities
- Monetize their assets
- Autonomously improve
- Coordinate functions
- Tackle new industries
- Develop emergent skills
- Outperform competitors
- Vastly improve accuracy
- Leverage newfound access
- Boost processing power
“Although AI is already in use in thousands of companies around the world, most big opportunities have not yet been tapped.”

“The convergence of big data with AI has emerged as the single most important development that is shaping the future of how firms drive business value from their data and analytics capabilities.”
Among leading AI teams, many can likely replicate others’ software. But it is exceedingly difficult to get access to someone else’s data.

- Andrew Ng, former Chief Scientist at Baidu
Introducing:

SingularityNET
The platform for the decentralized AI economy
Coordinate AI at Scale

Synergy
Combine AI agents into the tech stack you need

Access
A library of datasets and open AI tech at your fingertips

Market
Buy and sell services, from datasets to analysis, to a global market of AI buyers

Create
Make new AIs to coordinate existing datasets and AI agents

2017 global artificial intelligence market size
$233.8 billion

2025 estimated global artificial intelligence market size
$3.1 trillion
Open Platforms Are Proven Drivers of Innovation

Ratio of Market Capitalizations Between Ethereum and Bitcoin
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Ethereum made it easy for developers to build and launch their own DApps, DAOs, and crypto-assets.

SingularityNET is doing the same for AI by making it accessible to the world.
The App Store Case Study
The app store made it easy to build and launch mass market apps

Created **interoperability** standards for apps through the iOS SDK

Radically improved the process of **discovering** and **downloading** mobile services

Allowed developers to easily **monetize** valuable software

Created a **streamlined system** for payments through iTunes
The SingularityNET Case Study

Creates **interoperability** standards for AIs through the protocol layer

Radically improves the process of **discovering** and **coordinating** AI services

Allows developers to easily **monetize** AI capabilities and assets

Creates a streamlined, scaleable system for payments through the **AGI token**
How It Works

Protocol Layer
- Coordination starts at the protocol layer

Token Layer
- All transactions on the network are done in AGI tokens

API Layer
- The API layer makes it easy to coordinate AIs

Market Layer
- This enables an open market for AI technologies
How It Works

Protocol Layer

Starts with a smart contract enforced by a decentralized ledger

Coordination process and verification of function completion begins here

Protocol layer is the global registry for AIs, their owners, and their transactions
How It Works

Token Layer

All transactions on the network are done in AGI tokens

The Singularity Token (AGI) is a utility token for AI developers and businesses to access, use, and improve the SingularityNET

Developers get AGI to improve the network and launch AIs

Businesses use AGI to buy and sell services on the network
SingularityNET makes it easy to **coordinate AIs** via the API layer, which lets you launch AIs quickly, and combine their functionality with minimal time and effort.

Our "API of APIs" enables two nodes to connect and agree on how to **collaborate** together.

The connectivity API is then used by nodes to **exchange** data, offers, and results.
How It Works

Market Layer

This enables an open market for AI technologies.

Gives AI developers instant access to a global market. AI buyers get access to the best AI tech.

SingularityNET is launching the standard for AI-to-AI interoperability.

Makes it possible to build products by combining base layer AI.
Exploring How AGI Powers SingularityNET

1. Liquidity

SingularityNET fuels a machine to machine economy: AI microservices are a massive market that will soon take form. As such, a native token tailored to AI microservices should be made as soon as possible.

2. Governance

Governing and steering the network’s development will be a critical task. Having a native governance mechanism tied to a corresponding token lets the network resist outside manipulation.

3. Global

The SingularityNET economy is open to the whole world, and requires an international currency that strictly reflects the value created in the network. Tying the network an external economy (be that USD, EUR, CNY, BTC, or ETH) makes the network vulnerable to manipulation by elites in those unrelated economies.
SingularityNET is Built On OpenCog Technology

Currently used by 50+ global companies including:

- Cisco
- Hanson Robotics
- Huawei
SingularityNET is Built On OpenCog Technology

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OpenCog is Already Revolutionizing the World of AI
The **OpenCog** Use Case

OpenCog, an open-source development from the SingularityNET team, is a comprehensive architecture for AIs.

The OpenCog AGI engine is already a core component underlying Sophia, SingularityNET’s humanoid spokesperson, built by our partner Hanson Robotics.

Sophia will become a **core node** for SingularityNET, bootstrapping the network with dozens of cognitive processes such as procedure repository, associative episodic memory, spacetime servers, world simulation, and more.
SingularityNET Attracts Global Industry Leaders

SingularityNET will be the only platform enabling AI cooperation and coordination on a global scale, powering the next phase of AI growth.

**Open**
Organizations can create and deploy AIs with greater speed and complexity than ever before.

**Flexible**
SingularityNET offers the first and only interoperability protocol for AIs.

**Scalable**
Network AIs can instantly access a breadth of innovation, datasets, and technologies.

**Global**
AI silos are a thing of the past: access to other AI capabilities is now global and limitless.
Development Roadmap

2016
Outline development & economic logic
Assemble team of AI, blockchain & cognition experts

2017
Market test proof-of-concept

Early 2018
Beta test initial build with partners
Finalize release candidate

Late 2018
Launch the only global AI marketplace
Grow partnerships and community
Founded and Run By the Most Respected Minds in AI

Dr. David Hanson
Chairman and Robotics Lead
Creator of the 'intelligent conversational portrait' robot, Sophia. He's one of the world's foremost experts in humanoid robotics, having made numerous contributions to the field.

Dr. Ben Goertzel
CEO, Chief Scientist & Project Lead
Founder of Novamente and Biomind. Chairman of several AI-focused organizations. Research professor at multiple major universities.

Cassio Pennachin
Chief Technology Officer
Original software architect of the OpenCog AGI platform. Served leading roles in the financial services industry, from office automation to quantitative and news-based price prediction.
With a Veteran Team of Developers & Support Staff

Dr. Linas Vepstas
PhD in theoretical physics, with experience building AI-related software and hardware for major players such as IBM and Qualcomm

Dr. Eddie Monroe
PhD in clinical psych as well as an extensive programming background including projects at Apple

Dr. Nil Geisweiller
PhD in probabilistic logic, including research in mathematics and artificial intelligence. His projects have ranged from bioinformatics to evolutionary learning to computational finance

Dr. Alexey Potapov
Senior professor at ITMO in St. Petersburg, with extensive experience with deep learning applied to computer vision, as well as genetic algorithms and probabilistic programming
Industry Leaders Have Partnered With Us to Launch SingularityNET
Next Steps

1. Network Development
   We're already building the smart contracts and APIs to power the initial network

2. Corporate & Research Partnerships
   We're working directly with corporate and research partners to meet industry demand

3. Community Engagement
   We're aggregating a community of developers and projects to bootstrap SingularityNET
The future of AI is here

Join us.