# OSCAR AI Network

The Worlds 1st Decentralized GPU Deep-Learning Computational Network

The Problem

Computing power has become a bottleneck in the AI industry as the computations required double every few months. The cost of training AI models have also been increasing by around **3100%** per year, emphasizing the need for more efficient & cost-effective training solutions.
In current market conditions companies must face the dilemma of purchasing their own hardware and sacrificing scalability and plug&play speed, or renting scalable cloud resources for vastly increasing costs.
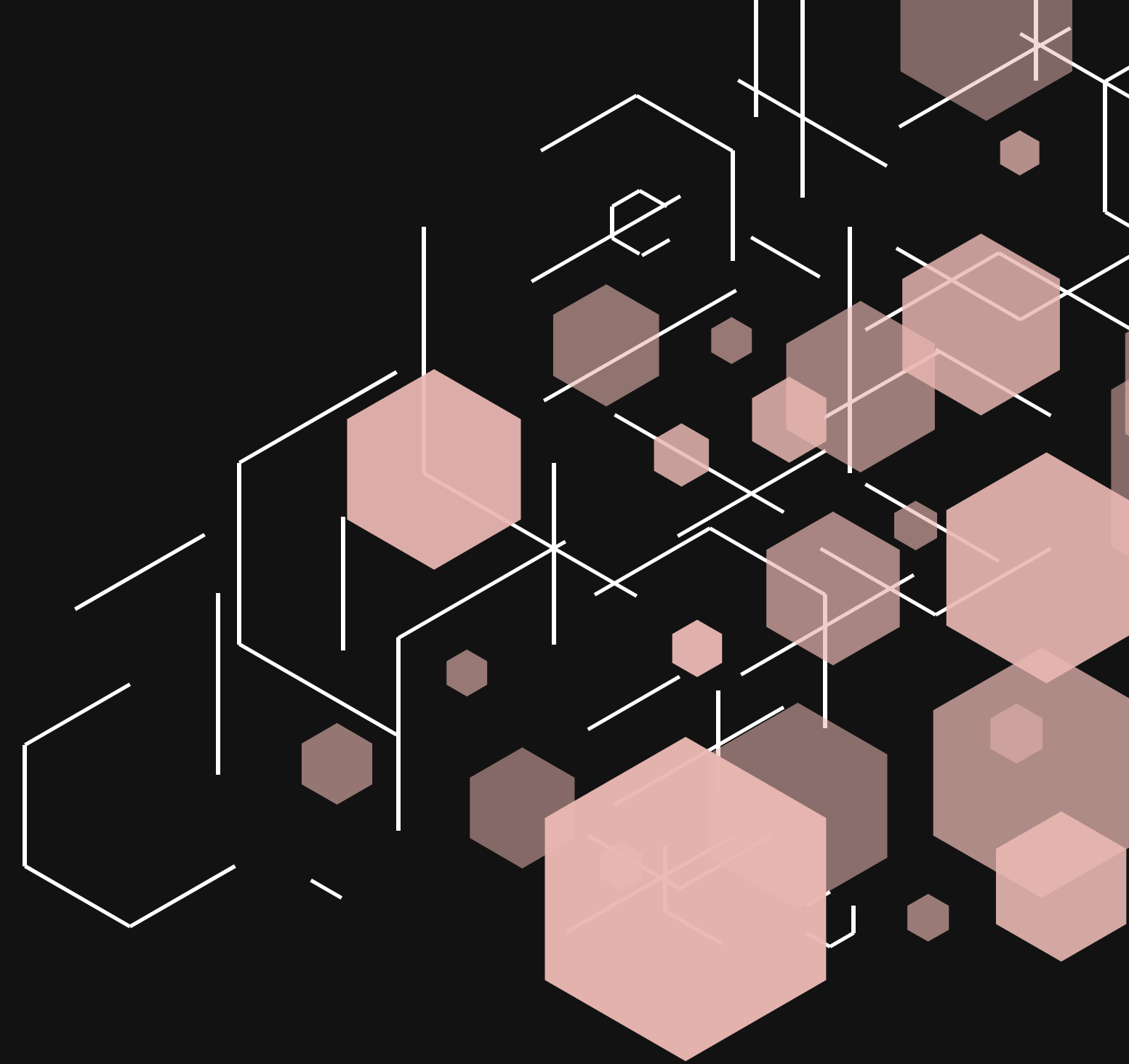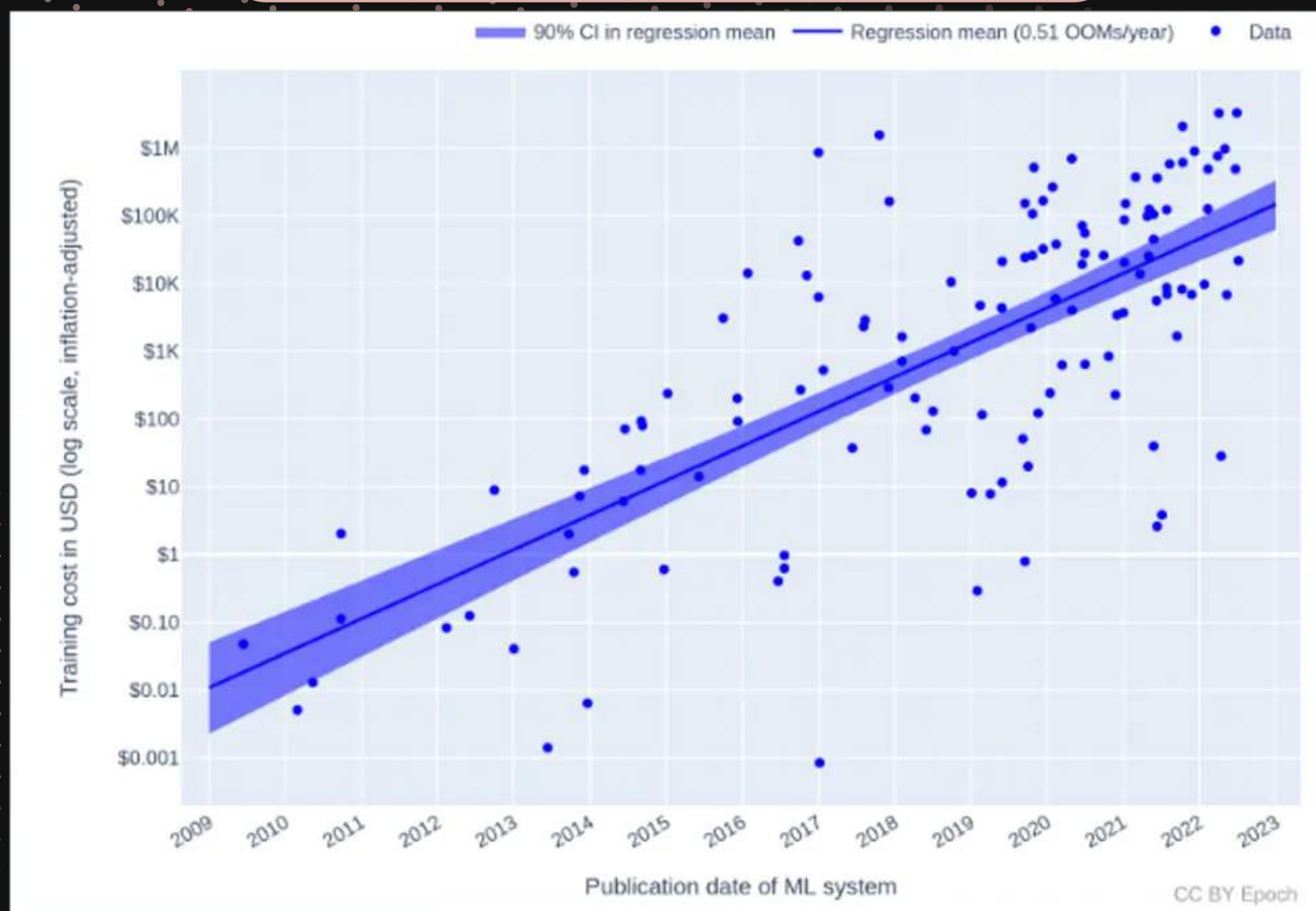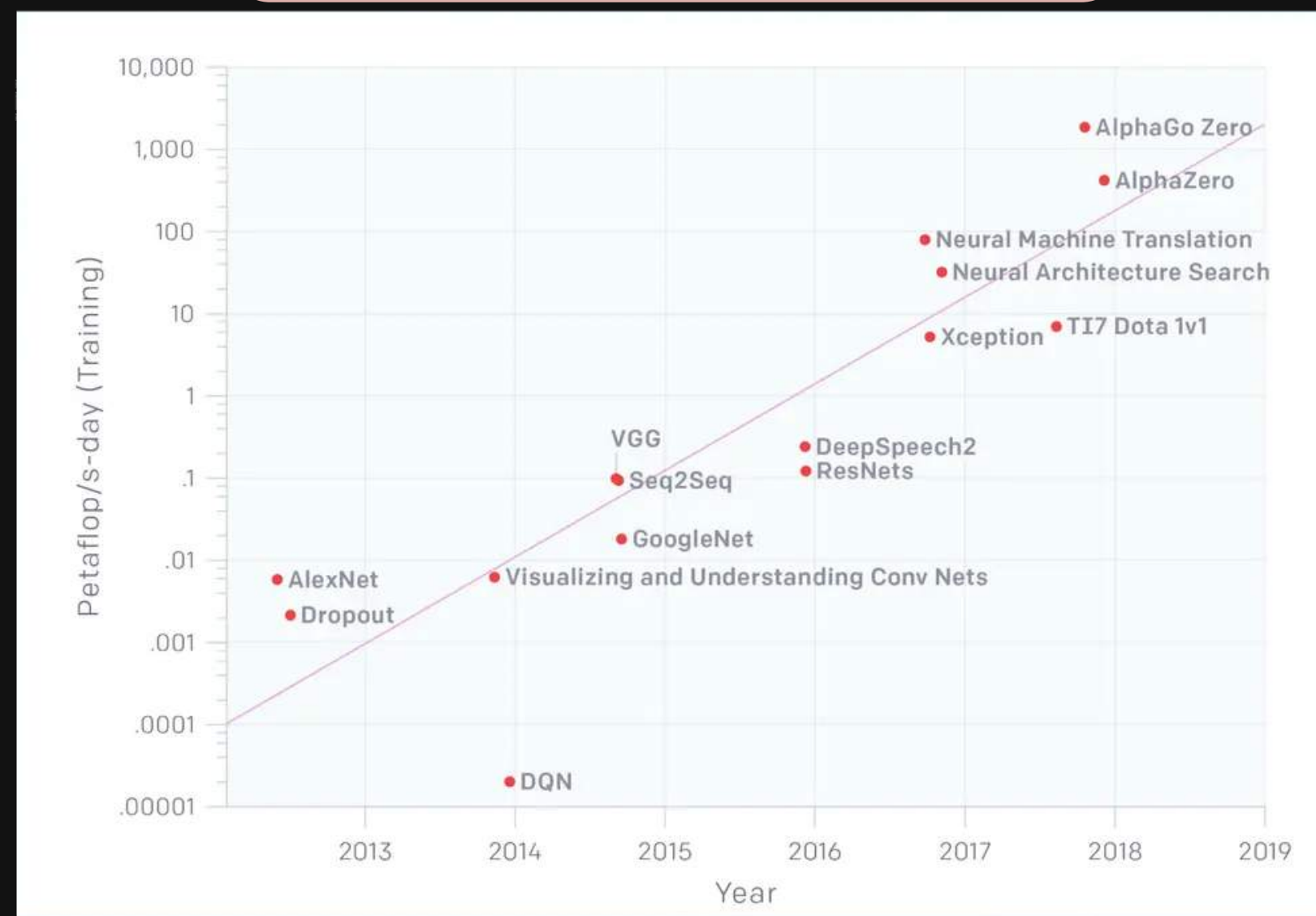
Cost of training AI models has inc. on avg. 3100% per year

The past decade has seen an exponential increase in both the computational resources needed to train models and the associated dollar cost given the AI industry boom

Dollar Cost of Training ML Models

Computations Required for AI Systems

OSCAR^AI Network

Introducing OscarAI: Revolutionizing the tech landscape with our groundbreaking Blockchain as a Service (BaaS) platform that seamlessly merges Blockchain and AI/ML.
By tapping into the surplus of idle rigs and untapped computational power resulting from the shift towards proof of stake in the cryptocurrency industry, we empower AI companies to access vast computing power.
Our decentralized platform offers a superior alternative to centralized computing services, enabling SMBs to deploy complex AI solutions at a fraction of the current costs.
OscarAI is pioneering the future of BaaS, propelling us forward with unstoppable synergy.

How does OscarAI work?

The OscarAI Network is a pioneering layer-one proof-of-work network based on Cosmos IBC that seeks to transform the landscape of AI and machine learning capabilities.

OscarAI harnesses the power of underutilized mining hardware, dedicated initially to Ethereum mining, and repurposes it for AI and machine learning tasks.

Our patent-pending platform provides a cutting-edge solution that optimizes the utilization of mining hardware, unlocking its full potential for AI and machine learning purposes.

Decentralized Machine Learning Compute Pipeline

Decentralized compute networks connect entities looking for compute resources to systems with idle computing power

Machine Learning Compute Workloads

Deploy Model for Interference
The trained models are run to make predictions in response to user queries

Fine -Tuning
ML models can be further optimized using a smaller dataset to improve the performance for a task

Model training
Models are trained on a large dataset to learn the patterns and relationships with the data

Data Pre-processing
Raw data is prepared and transformed into a usable format for ML models

Decentralized Storage
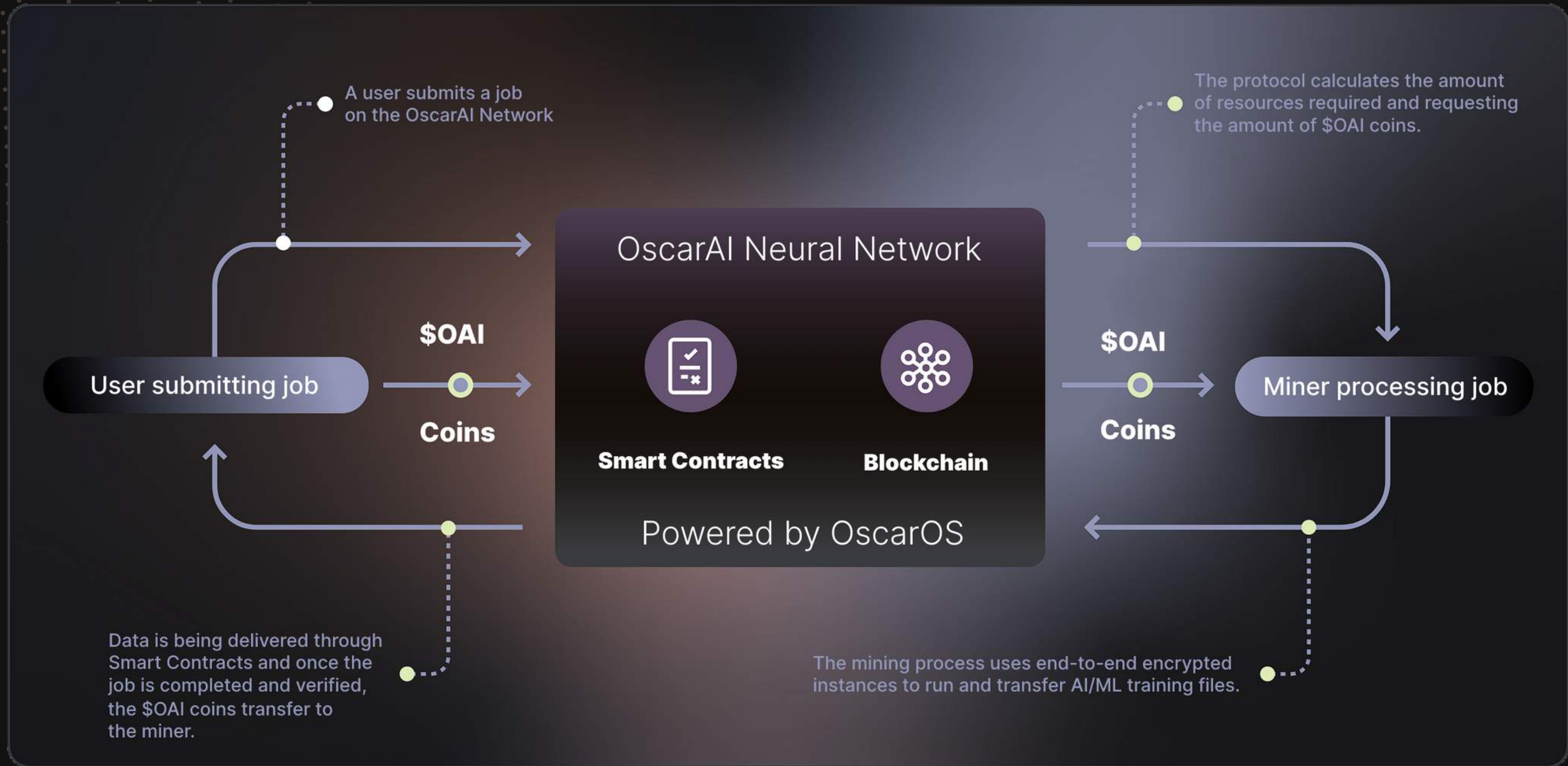
OscarAI Pipeline

OscarAI Engineering

The different components that make OscarAI do its magic.

OscarOS

The OscarAI Operating System is what powers the miner nodes, processes the AI/ML model training jobs and makes sure the mining rigs run efficiently.

Miner Dashboard

The miner dashboard is made for the miners to be able to track their mining rigs in real time, change settings, set overclocks and run OTA updates.
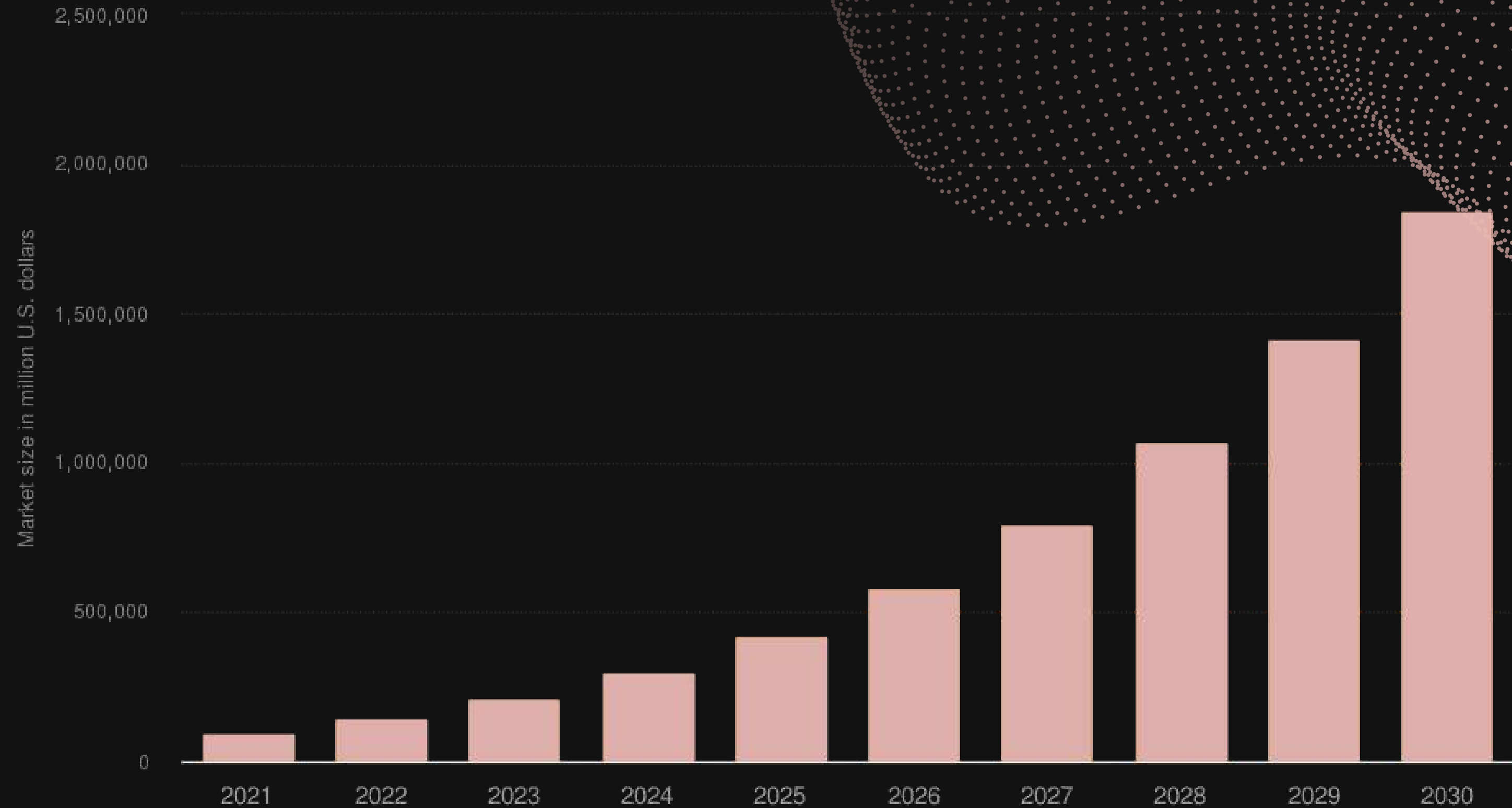
Customer Dashboard

The customer dashboard is available to SMBs/Start-Ups etc. that use OscarAI to train their AI/ML models, through it they buy tokens, send files and track progress.

Blockchain

The patent pending Comos IBC based layer-one blockchain network is the backbone of OscarAI and what makes its magic work, connecting everything.

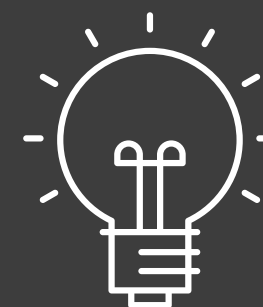# AI Market Size forecast until 2030 in Millions

Profit Allocation

- Token Buyback 15%
- Miners 25%
- R&D 60%

Token Allocation

- Marketing 10%
- Team 15%
- Liquidity 5%
- Advisors 5%
- Development 15%
- Incentives 30%
- Investors 20%
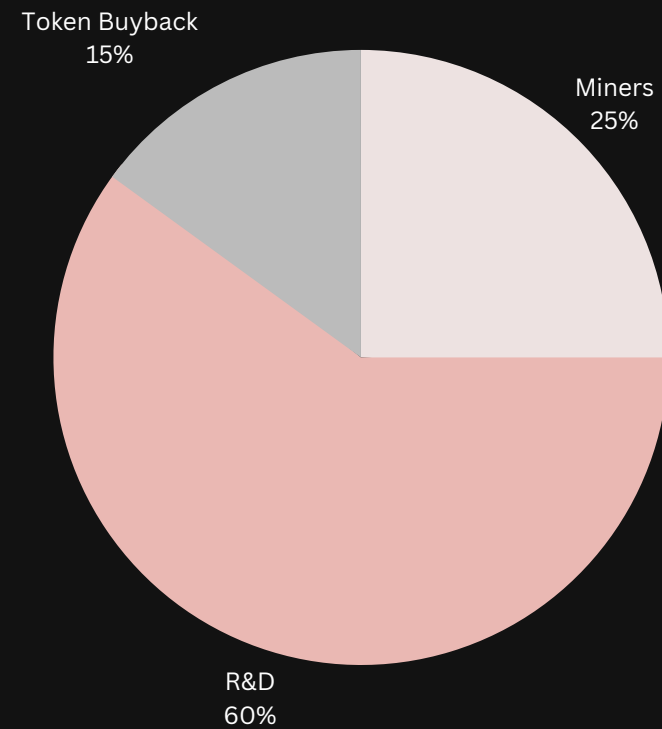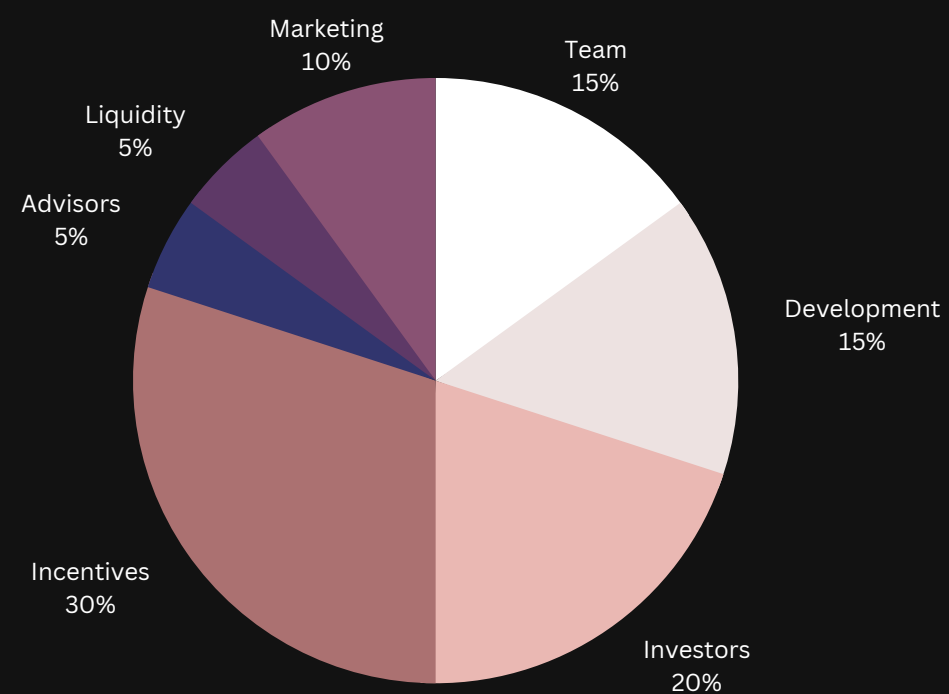
Expected ARR for Company Revenue Based on Active Miners in the Network

- $1.44M
- $14.4M
- $144M
- $1.44B
- $7.2B

- 100
- 1K
- 10K
- 100K
- 500K
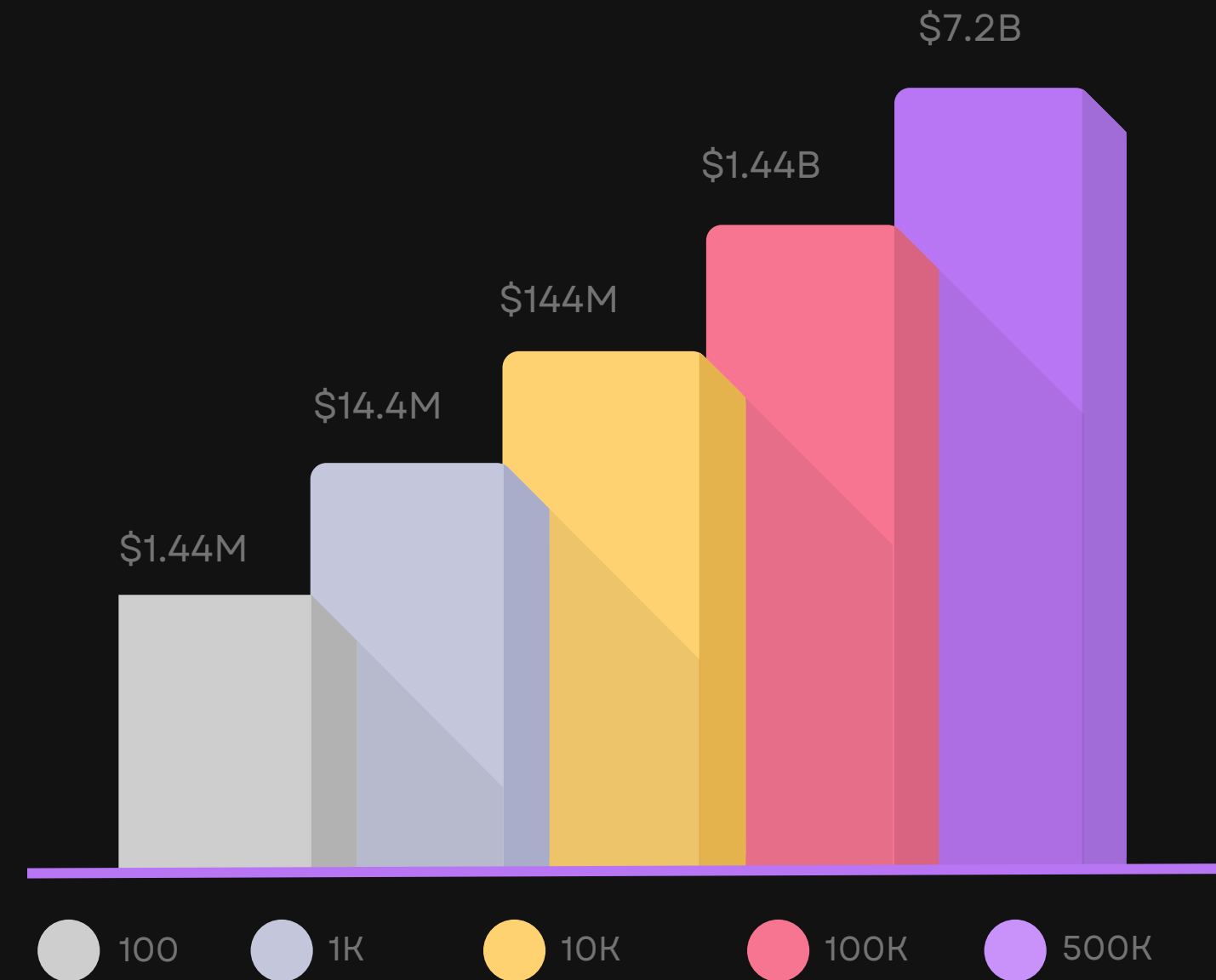
Amount of miners on the network with equivalent hash power of a 6x 1080ti rig or V100

What happened to the GPU miners ?

Ethereum dominated the computational power landscape, accounting for a staggering **94.45%** of mining power. However, with Ethereum's transition to proof of stake, this computational power has been displaced. As a result, the GPU mining rigs once dedicated to Ethereum mining have experienced a significant **65% drop in retail price**.

Moreover, the cost of electricity consumed by these rigs outweighs the potential profits from mining smaller altcoins. This shift in the mining industry has created a unique challenge and opportunity.
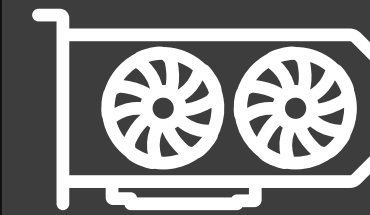
94.45%
Ethereum GPU-mining dominance*

*As of May, 2022

-65%
Value lost for ETH-compatible rigs*

*As of October, 2022

What are the alternatives for a miner today ?

■ Loss   ■ Profit

Raven has at the moment 6.55TH/s of mining power or the equivalent of 43.3k miners with a 6x 1080ti mining rig(151.2MH/s). With an average electricity cost of $0.12, each rig costs more than the profit it makes even with overclock optimization. An average rig that currently makes less than $49 a month (while electricity costs roughly $107 a month) could potentially make with OscarAI more than $400 a month (after electric costs).

	Ravencoin (RVN) KawPow		Network 6.55 TH/s	Hashrate 5.57 TH/s	Last Found
1.	🌐 2miners.com	⊕		2.19 TH/s	2990329 2 min
2.	🌐 hiveon.net	⊕		1.22 TH/s	2990327 4 min
3.	🌐 richpool.pro	⊕		466.51 GH/s	
4.	🌐 ravenminer.com			352.31 GH/s	2990328 3 min

Screenshots from 25th of Sep, 2023 The network has a total hash rate of 6.55TH/s!

Our Roadmap

Our robust roadmap set by our ambitious team is the commitment to the partners that surround OscarAI and help us grow!

Q2 22 — Ideation & Technical Planning

Q1 23 — Patent Formation

Q3 23 — Capital Raise

Q1 24 — Centralized MVP

Q1 25 — Decentralized Cosmos IBC Layer-One Blockchain Launch

Fundamental Ideation including technologies to be used for optimal efficiency

Receiving Patent Pending status after thorough investigation of technology with Fisher Friedman IP Group

Our team plans raising strategic capital that can push our innovation forward

We plan on having our first centralized MVP and accruing early adopters & MOU partners

The final phase, having a fully decentralized network running fully autonomously

The beauty between cloud and blockchain symbiosis
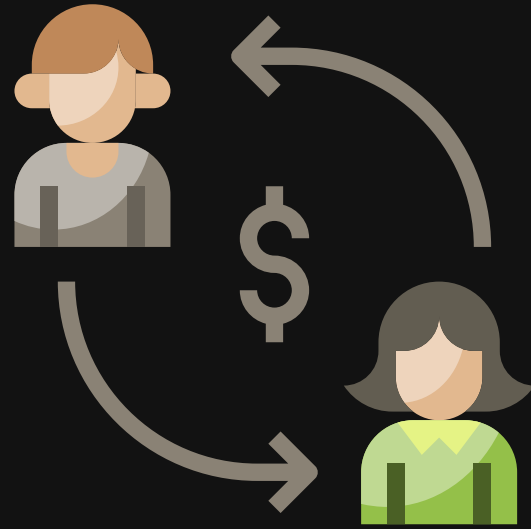
SMBs (customers), acquire hashing power to train their AI/ML models by purchasing tokens from the open market. This seamless process creates ease of access. Essentially, they are buying credits that can be redeemed based on the amount of hashing power they utilize.

The token itself will fluctuate in price depending on real-time demand in the market. An internal algorithm similar to one of a DEX ($x * y = k$) will determine the reasonable price per hashing power taking into account token buybacks, market trends, profit distribution, and the price of the hashing power of competitors.

How does OscarAI compare?

OscarAI offers a practical solution for GPU miners to utilize their powerful rigs for AI applications. Current Cloud-based AI services like Amazon Web Services, Google Cloud, and Microsoft Azure are not cost-efficient for smaller SMB participation. Oscar bridges this gap, enabling GPU miners to access a network to deploy their rigs for machine learning tasks.

Reducing the high costs associated with AI implementation by providing efficient and seamless access through plug-and-play neural networks ensuring worry-free decentralized operations offering fast data access through its secure global network

How does OscarAI compare?

	Google Cloud	aws	Azure	OscarAI
	$2764	$3988	$3341	**$1972***
COST-EFFECTIVE	✓	✓	✓	✓
DECENTRALIZED	✓	✓	✓	✓
BLOCKCHAIN-READY	✓	✓	✓	✓
PLUG-AND-PLAY	✓	✓	✓	✓

*For a V100 GPU equiv. or better computational power performance.
Prices are per month. Updated as of May, 2023.

Initial Target market for customer acquisition

SMBs

Small and Medium-sized businesses need to be as efficient and reliable as possible when starting their journey into AI/ML, services such as AWS, Azure, Google Cloud, etc. charge outrageous prices to operate and can add up when not a lot of overseeing is done. In 2023, 56% of new businesses prioritize AI showing the growing demand for alternative solutions.

Defence Sector

OscarAI will focus on cryptography and privacy enabling military operations to harness decentralized mining power for AI deployment. With vast computing capabilities, it offers an alternative to centralized services, optimizing operational efficiency. The integration of Blockchain and AI ensures enhanced data security, decentralized processing, and significant cost savings. The OscarAI Protocol is a valuable asset for military deployment, revolutionizing AI capabilities in defense.

OSCAR^AI Network

Thank You

Contact Us

Our team is available for cooperation and business opportunities as well as partnerships with various fellow blockchain projects, feel free to reach out!

🌐 oscarai.network

✉ hello@oscarai.network

📍 Igal Alon 94, Tel Aviv, Israel