



Company Presentation

October 18th 2023

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Today's Speakers



Yngve B. Johansen
Chairman of the board



Ola Stene-Johansen
CEO, Board Member
and Co-founder

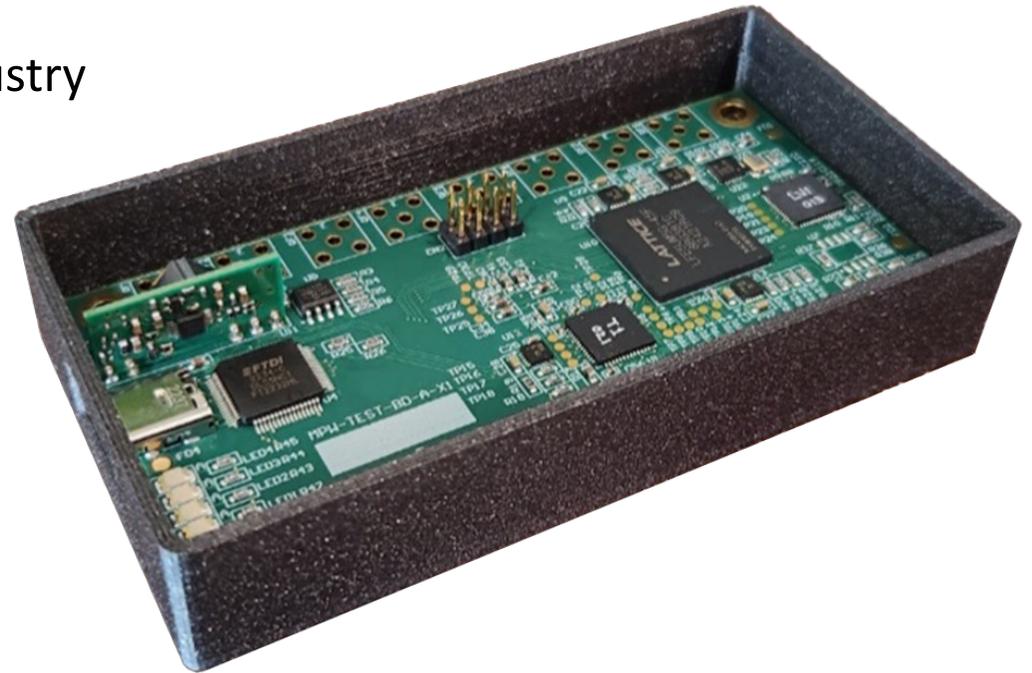


Benjamin Miklozek
CFO, Board Member
and Co-founder

Introduction

Our Mission

- ✓ Be recognized as a unique fabless semiconductor company
 - A new addition to the Norwegian semiconductor industry
- ✓ Commercialize an industry disruptive chip for blockchain operation and AI
 - The best Scrypt* chip in the world – a super effective processor
 - Strong synergies for use within AI



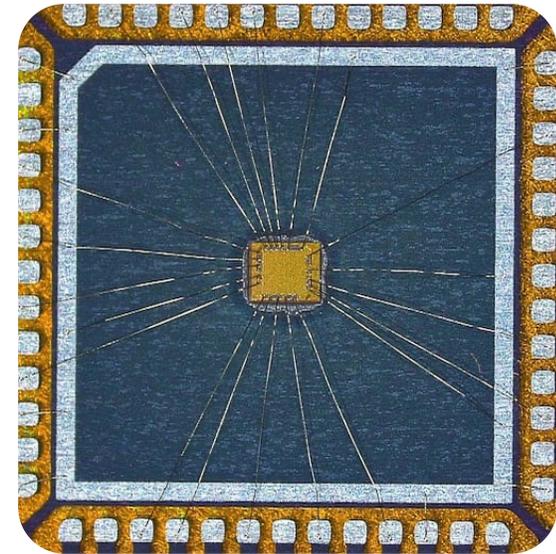
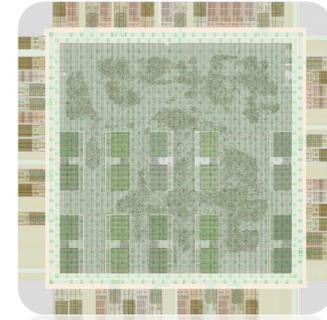
* Scrypt is the name of a specific algorithm used in cryptography, referred to as "hashing"



Our Chip in Brief

Two applications currently in focus:

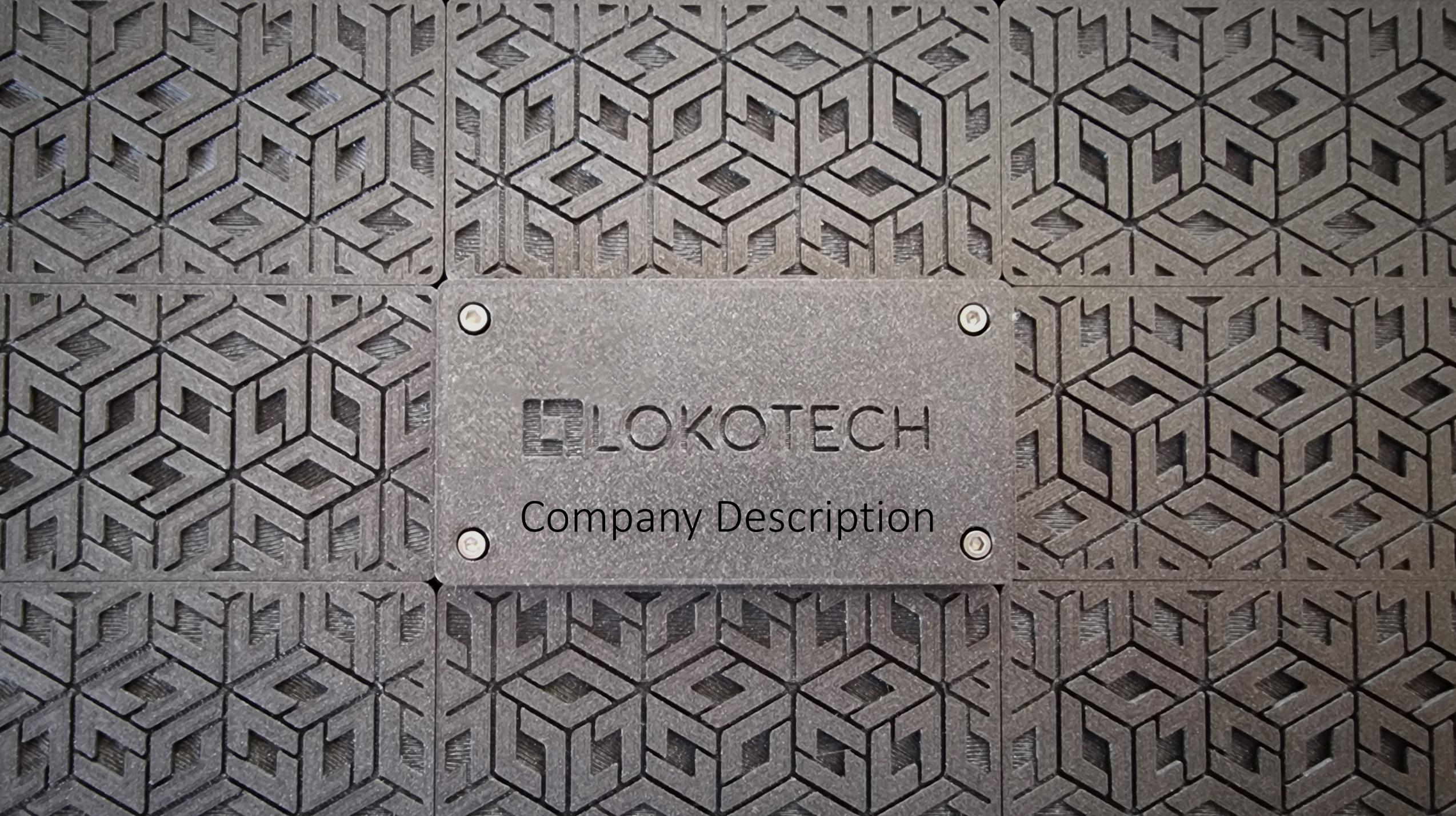
- Operate Blockchains and verify transactions (Mining)
 - A dramatic reduction in the energy consumption related to Blockchain operation
 - Consumes 75-80% less energy to mine Litecoin & Dogecoin compared to current chip leader
 - Validated prototype enables a successful pre-order launch late October 2023.
- Execute AI models (inferencing)
 - Significantly increasing the speed in AI Edge applications
 - Chip in development (Lower TRL), but expected strong synergies with the chip used for blockchain operation.



Investment Highlights

- Lokotech - a fabless semiconductor company, that is about to introduce a disruptive chip to the market
- The initial prototype significantly reduces power consumption in blockchain operations. It has been successfully tested and verified by an independent third party to TRL5
- The pre-sale period is anticipated to launch in late October 2023.
- Early adopters have been granted a two-week exclusivity period. This has attracted over 2,300 unique subscribers to the program thus far.
- Proceeds from pre-sale are exclusively designated for manufacturing of the Scrypt chip. We expect deliveries to start in H2 2024
- Strong synergies between the Scrypt chip and ongoing development of a chip for AI Edge





LOKOTECH

Company Description

Lokotech Group in Brief

- Lokotech established in 2019
- Reverse merger with Harmonychain AS in 2021, raised NOK 110 million at NOK 1.8 per share
- Listed on Euronext Growth in May 2021
- Successful redesign of chip in 2022 with start of prototype development
- Testing and validation of prototype for Scrypt in September 2023
- Invested capital of NOK ~120 million
- Cash position of NOK ~38 million
- Ticker change expected in the near future: LOKO



Subsidiaries:

Lokotech - Hardware

Lokotech DC - Three datacenter projects in various stages in development and owns Filecoin hardware

Lokotech Development - Shelf company for future development projects. No activity

Nordic Green Data Center - SPV for future joint venture

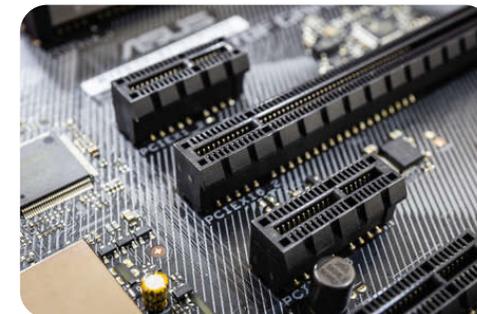


Business Model and Technology in Brief

- Our chip can be sold to the industry in multiple forms and scales; e.g., on USB sticks, Single / dual-tube servers, or rack-servers etc.
- The chip uses much less energy than current state-of-art in the market due to a combination of several techniques of solving the algorithm and advanced circuitry design that results in fewer transistors computing the algorithm.
- Our chosen form is to mount 128 ASICs on one Printed Circuit Board (PCB), with a PCI-e socket for plugging into stationary PCs
- We market it as a “Hashblade” - it can be plugged as one or multiple units into a PC, similarly as for a GPU
- We follow the usual business model in our industry and pre-sell hardware 12-18 months ahead of delivery



Hashblade



PCI-e Slots



Management & Board



Yngve B. Johansen
Chairman



Christoffer Løvdal
Board Member



Wiktor Miesok
Board Member



Susheel Nuguru
Board Member



Kjetil Westeng
Board Member



Benjamin Miklozek
CFO, Board Member
and Co-founder



Ola Stene-Johansen
CEO, Board Member
and Co-founder



Christian Rustad
CTO, Board Member
and Co-founder



Henrik Danielsen
Board Member

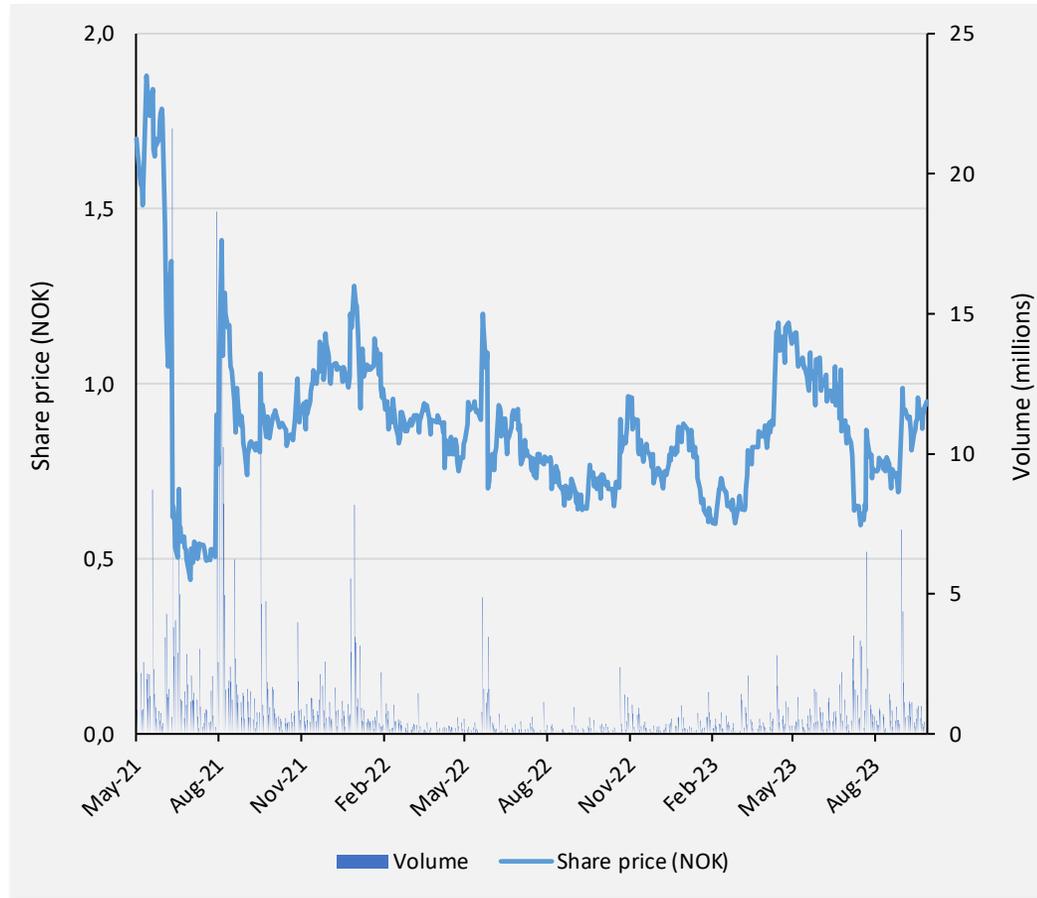


Harald Wibye
Board Member



Share Price & Shareholder Overview

Share Price (NOK) & Volume (Millions)



Top 20 Shareholders

	Name	Holding	in %	Comment
1	PROZIUM AS	34,109,696	19.7 %	Controlled by CTO
2	INFIGENT AS	12,967,695	7.5 %	Controlled by CEO
3	BLIPIT AS	12,412,140	7.2 %	Controlled by CFO
4	ØSTLANDSKE PENSJONISTBOLIGER AS	11,632,348	6.7 %	
5	DELTA INVEST AS	8,577,097	5.0 %	
6	NORDNET LIVSFORSIKRING AS	7,632,601	4.4 %	
7	LIE	3,500,000	2.0 %	
8	MIKLOZEK	2,507,305	1.4 %	CFO
9	JUVEREN AS	2,000,000	1.2 %	
10	JOHANSEN	1,733,100	1.0 %	Controlled by Chairman
11	Nordnet Bank AB	1,704,855	1.0 %	
12	LIVERMORE INVEST AS	1,600,000	0.9 %	
13	BERGGREN	1,476,000	0.9 %	
14	PATIL	1,400,000	0.8 %	
15	LARSEN	1,361,501	0.8 %	
16	TRAFALGAR AS	1,350,000	0.8 %	
17	ECH HOLDING AS	1,300,000	0.8 %	
18	JOHNSEN	1,250,000	0.7 %	
19	Guttis AS	1,200,000	0.7 %	
20	Avanza Bank AB	1,072,418	0.6 %	
Top 20 shareholders		110,786,756	64.0 %	
Other shareholders		62,413,261	36.0 %	
Total shareholders		173,200,000	100.0 %	

Blockchain Application



Market Positioning

- Script is the algorithm that secures the integrity of the ledgers of certain Proof-of-work ("PoW") blockchains like Litecoin (LTC) and Dogecoin (DOGE)
- LTC and DOGE are 2 of the 3 largest "Proof-of-work" blockchains measured in Market Capitalization. The third and largest PoW blockchain is BTC.
- LTC & DOGE are more profitable to operate (also called mine) measured in USD per watt than Bitcoin
- Lower price point and as close to "Plug-and-play" as possible
- Can retro-fit into existing Ethereum mining rigs (GPUs) over PCIe



16.10.23	
Price	\$63.80
M.cap.	\$4,7 B #15
Circulating	74.8 M
Max Supply	84 M

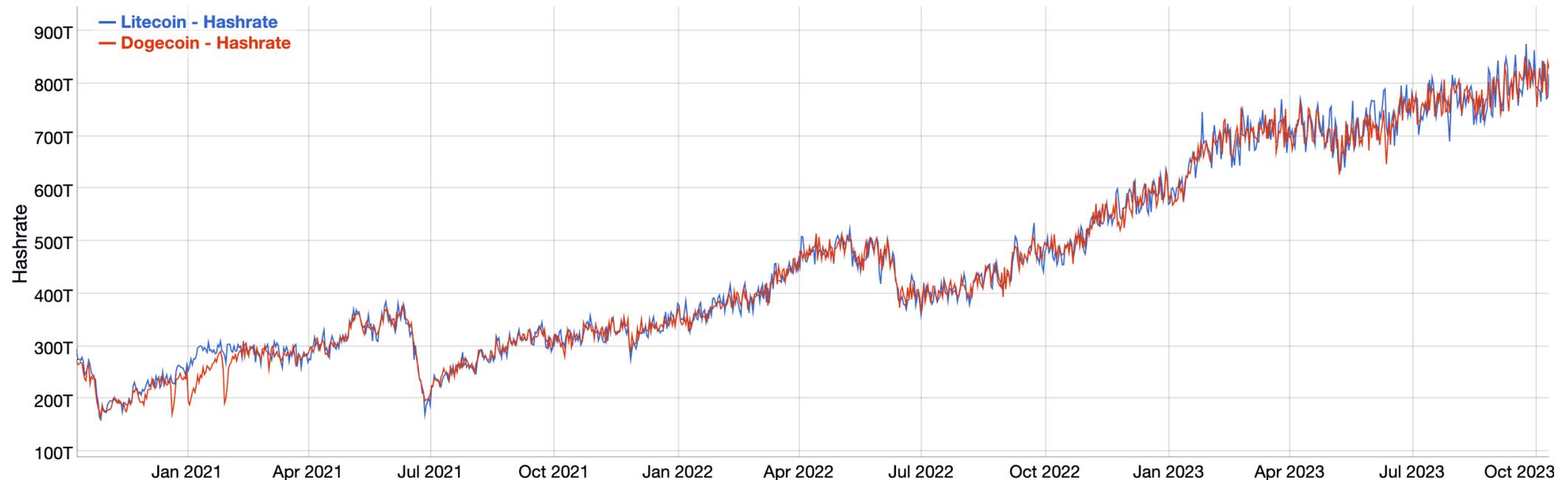


16.10.23	
Price	\$0.060
M.cap.	\$8,5 B #9
Circulating	141 B
Max Supply	Infinite



Blockchain Application: Addressable Market

- Live GH/s on Top 3 Script Coins: 900,000 => 450,000 units => 65.25 MW



- Wattage: Assumed 670 MW=> 4.6 M Units => 9.2 PH/s

PH=Peta Hashes = Quadrillion Hashes
TH=Terra Hashes = Trillion Hashes
GH=Giga Hashes= Billion Hashes
MH=Mega Hashes= Million Hashes
KH= Kilo Hashes = Thousand Hashes



Competitive Advantages

- ✓ Power efficiency: ~25 % power consumption of that of our closest competitor
- ✓ Norwegian: Transparency in an opaque market, existing semiconductor knowledge clusters and success stories, and governmental support of R&D (SkatteFUNN)
- ✓ Form of the hashing device is enabled by power efficiency: lower price point & ease of manufacturing
- ✓ Western mindset to customer service and advanced RMA enabled by “gradient degradation” & self-optimizing clock on ASIC



Comparison

 LOKOTECH



J/ MH = 0.076

Lokotech saves power and increases mined cryptocurrencies per installed power capacity

Competitor 1



J/ MH = 0.36

Competitor 2



J/ MH = 0.954



Chip Status

- All fundamental blockchain related IP has been thoroughly validated, and the critical architecture has been confirmed through the MPW run.
- Key insights from the MPW were learned and will be utilized in the commercial ASIC tape-out.
- Performance: (15.6 MH/s @ 1.04 Watts) +/-10%. This is equivalent to 0.067 Joules per Megahash at the chip level
- Demonstrates 4-5 times greater power efficiency compared to the closest competitor.
- Technology node: 12NMLP+
- On-chip microcontroller integration enhances product lifespan.
 - Incorporates gradient degradation and self-optimization features for clock frequency.



Plan for Pre-sale Release



Pre-sale scheduled to open later this month.



A 14-day exclusive access period for over 2,300 dedicated subscribers who have demonstrated interest.



Enhance guerilla marketing initiatives during the second week of the exclusive pre-sale period.



Opening to public following closure and revision of the exclusive pre-sale outcome.



Closing the pre-sale phase upon reaching a satisfactory volume for negotiating slot alignment.



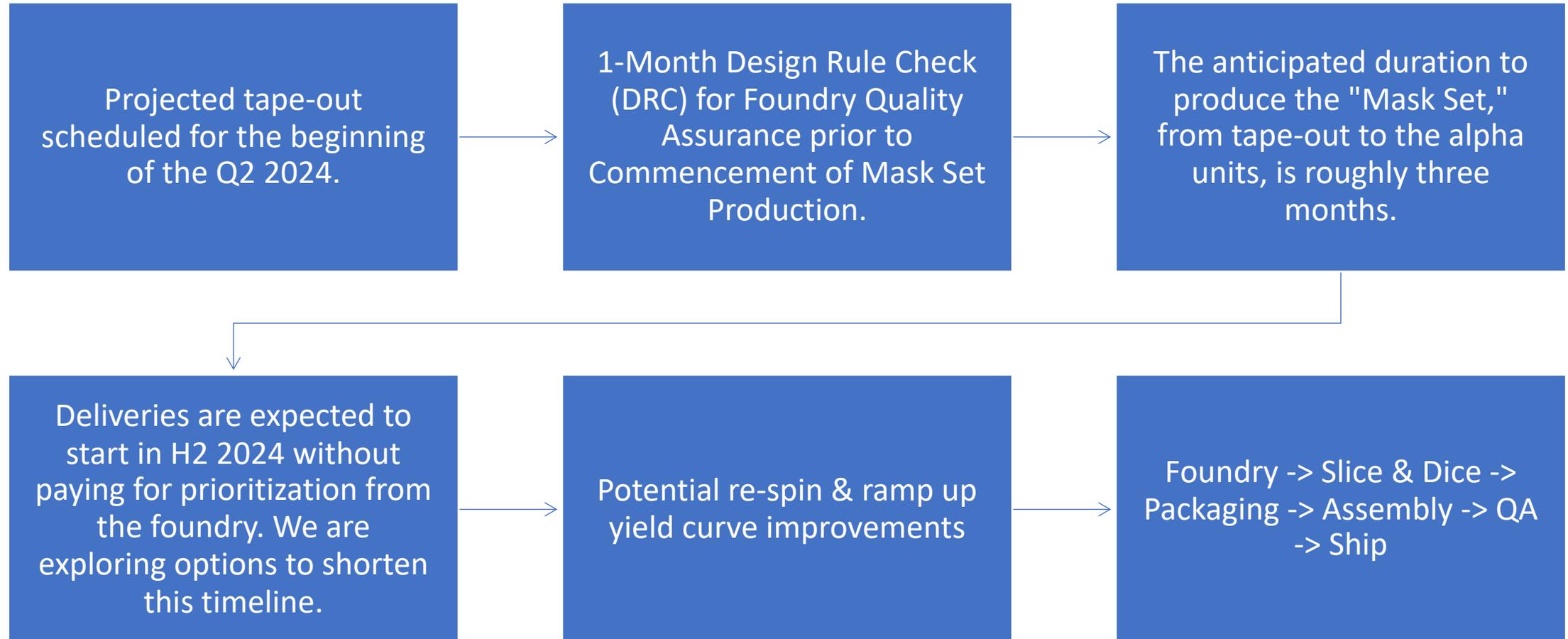
Targeting 50,000-100,000 units in first two batches



Actively monitor the Script hashrate and adjust sales accordingly to maintain profitability.



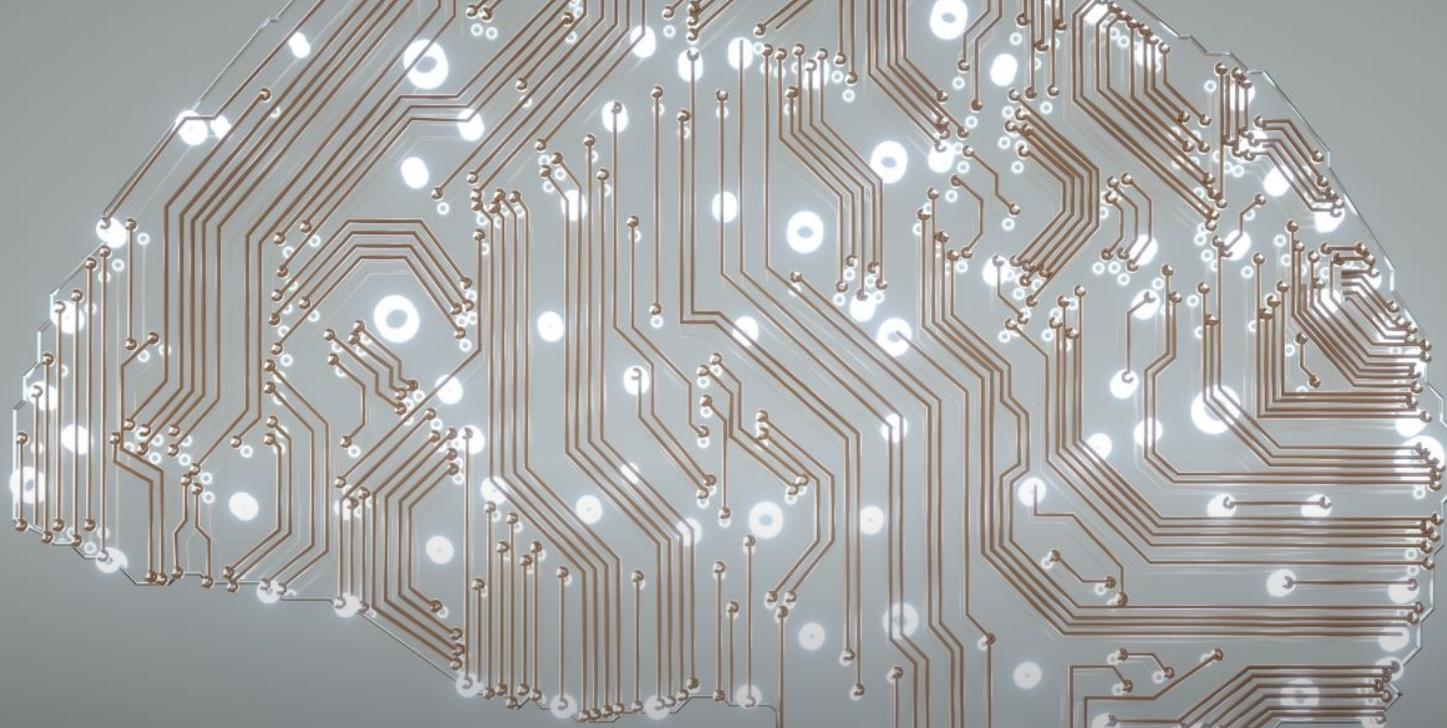
Plan for Manufacturing and Delivery



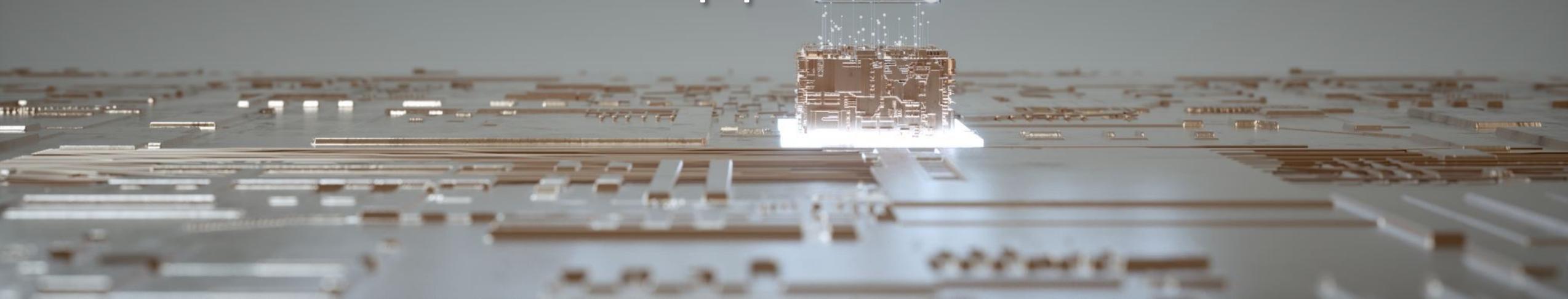
Key Risk Factors

- **Mask Set Quality Risk:** Quality risk associated with the manufacturing of the mask set.
- **Slot Allotment:** Allocation of production slots, contingent upon volume and pre-sale metrics.
- **Tape-Out Delays:** Potential delays in the completion of the GDSII.
- **Geopolitical Risks and Supply Chain Disruptions:** Vulnerabilities stemming from geopolitical tensions and interruptions in the value chain.
- **Gross Margin Reduction from Unexpected Yield Curve Decline:** Potential decrease in gross margins due to a yield curve that performs worse than anticipated.





AI Application



Development Status

- Theoretical speed very competitive in today's landscape
- I/O capabilities under testing. Prototype will follow tape-out of commercial ASIC
- In short: if you hash Scrypt fast, a lot of the chip design is reusable for Edge AI Inferencing, because your "full adder" logic circuit will be *very fast*
- I/O speed and throughput currently being tested from physical MPW-ASICs
 - Data transfer rates important to accurately describe the capabilities
 - I/O a potential bottleneck
- Important to note:
 - The AI compute capabilities has not been tested from MPW ASICs, but shows very competitive computational speeds in simulation
 - We need to run it with standard applications like Alex or PyTorch before we can benchmark it against competitors, and see the size of the matrix's impact on the theoretical computation speed



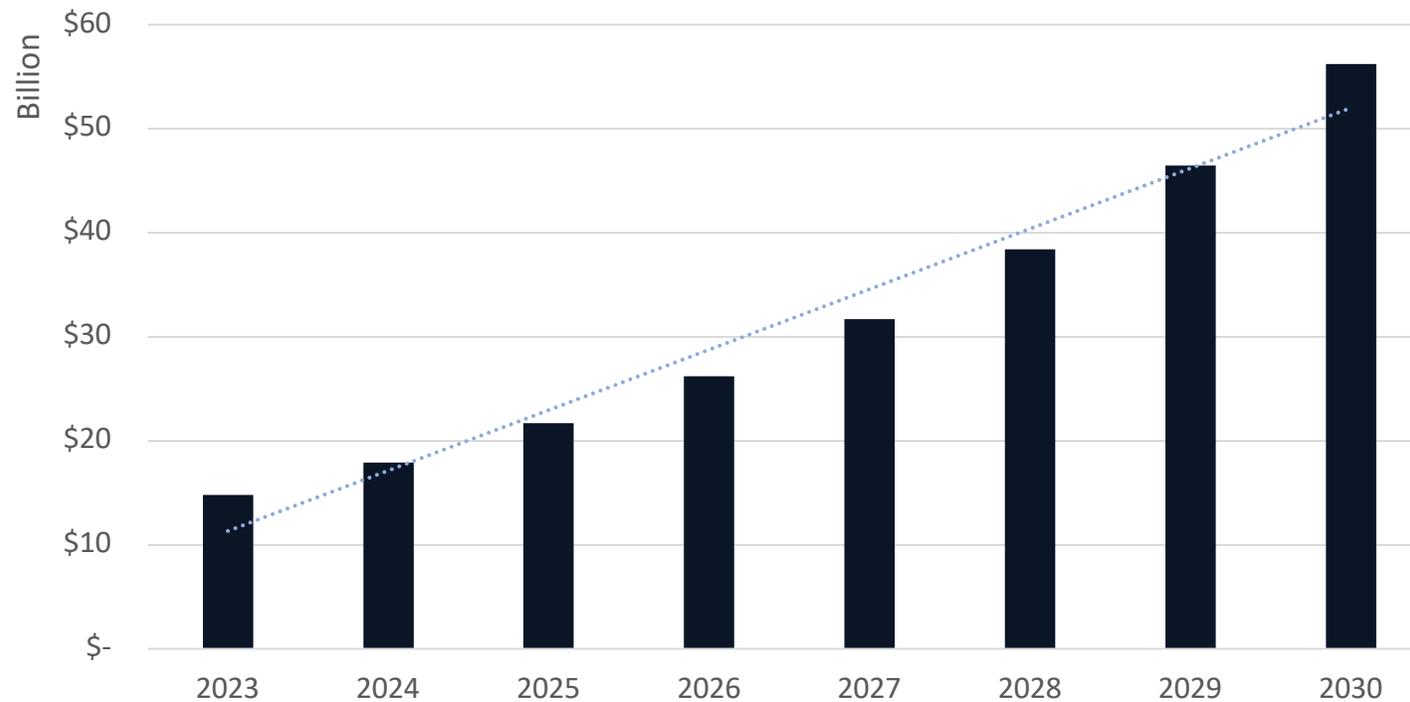
Market Positioning

- Edge AI Inferencing: The processor performs computation on the edge of the network: on-device or in local computer/server, **not in the cloud/datacenter via Internet.**
- Use of trained AI-models at the "edge" of Internet. Can also be used w/o bandwidth.
- Testing the computational speed and accuracy over time will determine right market niche.
- High accuracy over time is important for "mission critical" use-cases such as object identification for autonomous cars.
- Not so important for less critical applications, such as face recognition, text interpretation or picture up-scaling.



Addressable Market

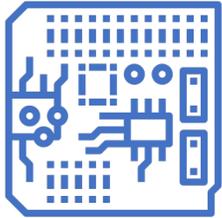
Edge AI Market is Estimated to be 14.8 Billion USD in 2023, Growing at CAGR of 21%



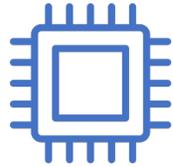
Source: "Edge AI Market Size, Share & Trends Analysis Report By Component (Hardware, Software, Edge Cloud Infrastructure, Services), By End-use Industry, By Region, And Segment Forecasts, 2023 – 2030" <https://www.grandviewresearch.com/industry-analysis/edge-ai-market-report>



Commercial plan



Sale of AI Accelerators



OEM sale of ASICs to customers that integrate these into their product(s)



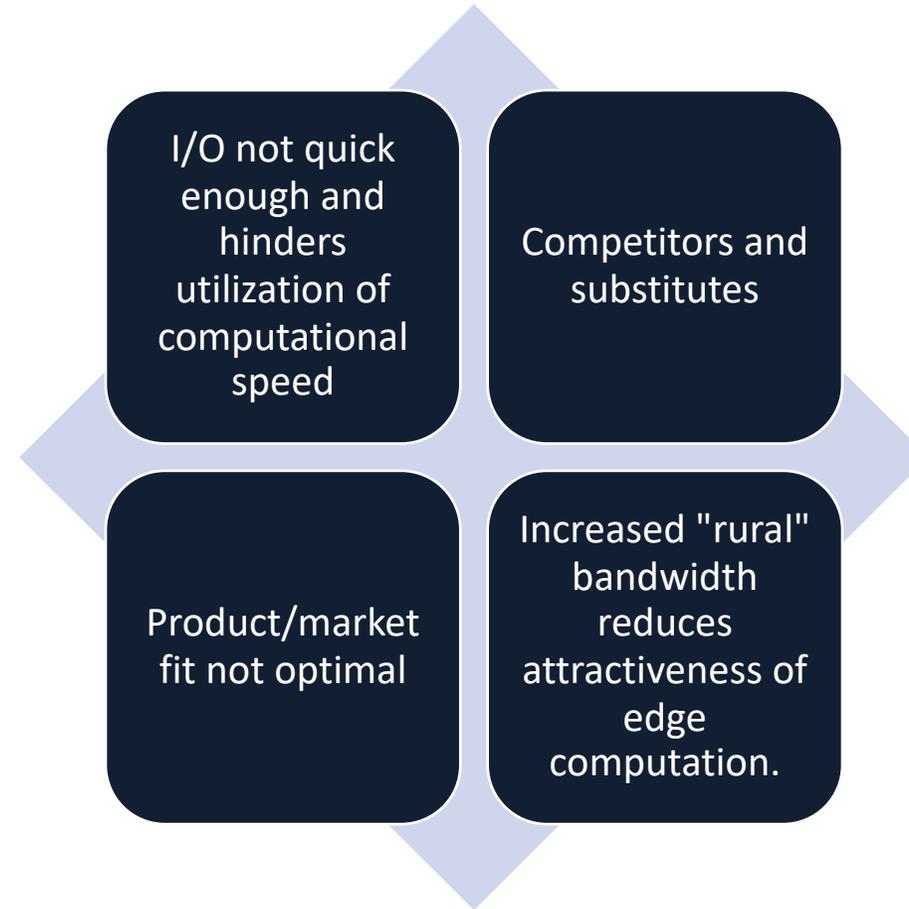
Licensing the design to integrate into SoC's



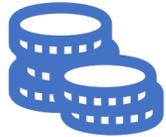
Downstream potential: Identify, develop and compete for attractive applications based on proprietary hardware



Key Risk Factors



Other Business Activities



Mining on own balance sheet – cost advantage

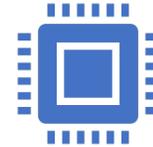
1 MW deployed equals ~6M USD ARR with today's rates



Software

WIC: Cryptographic messaging APP/Plugin targeting sensitive data communication launch sometime before Christmas

Pool for operating miners –
ScriptPool.io – closed beta, ready to act when we have hashrate



Hardware for other algorithms/blockchains

Filecoin – promising architecture undergoing final testing as we speak, but bearish market conditions – exploring capital easy GTM-strategies

Longer term:

- SHA256 – Bitcoin – "easier" algorithm
- Other memory intensive algorithms – smaller niches, but relevant know-how
- Second generation Script ASIC – lower geometry equals higher efficiency



Supportive hardware and other form factors

PSUs, rigs, motherboards, cables, controllers and other upsell products



Investment Summary

- Lokotech - a fabless semiconductor company introducing disruptive chips to the market
- Chip to significantly reduce power consumption in blockchain operations and increase speed in AI Edge applications
- First prototype of Scrypt chip successfully tested and verified by independent third party
- Launch of pre-sale period expected at end of October 2023
- Expected delivery date in H2 2024
- Strong synergies between the Scrypt chip and ongoing development of a chip for AI Edge



Q&A

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