

# BrainChip

OTCQX: BCHPY | ASX:BRN

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## Investor Presentation

November, 2023

**brainchip**  
Essential AI



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# BrainChip At A Glance

- \* **First to commercialize** neuromorphic IP platform and reference chip.
- \* **Competitive advantage** extended with launch of 2<sup>nd</sup> Gen Akida IP platform
- \* **World-class board & executive team** focused on commercialization and R&D
- \* **Highest-ever level of customer engagements** with global sales team in place
- \* **Growing commercial ecosystem and partnerships** with leading global tech companies
- \* **Growing patent portfolio** with 18 issued patents and 30 applications pending
- \* **High-margin/ low-cost IP licensing business model** with future IP licence sale and royalty revenue streams

## Company

Offices  
Shares Listed  
Shares Quoted

US, Aust, France, India  
ASX - BRN  
OTCQX (ADR)

## Shares

Shareholders  
Top 20  
Total Shares Outstanding  
Retail Vs Institutional  
Key Market Indices

>40,000  
41%  
1.71B  
85%/ 15%  
ASX300

## Valuation

Market Capitalization

~AUD\$300M

## Price History

Average Volume  
52 Week High  
52 Week Low

5M  
A\$0.65  
A\$0.155

## Balance Sheet

Total Debt  
LDA Capital drawdown facility  
Cash at Bank

US\$0.0M  
US\$3M (by Dec 23)  
US\$17M

## Since the AGM...

- \* **Akida 2<sup>nd</sup> Gen technology platform** available as IP to EAP customers.
- \* **1<sup>st</sup> shipment of AKD1500 chips** received from Global Foundries, tested and used in demonstrations.
- \* **GMAC Intelligence, Tata Elxsi, VVDN Technologies, Lorser Industries, CVEDIA, Teksun, Blue Ridge Envisioneering and Quantum Venture** added to growing list of commercial ecosystem partnerships.
- \* **University of Virginia and University of Oklahoma** added to BrainChip's University AI Accelerator Program.
- \* **Edge box co-developed with VVDN Technologies** utilizing Akida silicon to go on sale early next year.
- \* **Collaborations and disruptive design wins in Space Tech and Sustainable Cities** with EdgX and European Space Agency programs, Circle8 for waste management.

- \* **Quarterly Investor Podcasts** released to enhance shareholder communication.
- \* **High-performance global sales team** generating substantial new business leads.
- \* **Presented at several major global AI conferences** and tech focused investor events in Europe and North America.
- \* **White Paper showcasing TENNs** (Temporal Event-based Neural Networks) in 2<sup>nd</sup> Gen Akida technology published.
- \* **Prominently featured in Edge AI market reports** such as Wevolver and Cambrian.

## Business Model

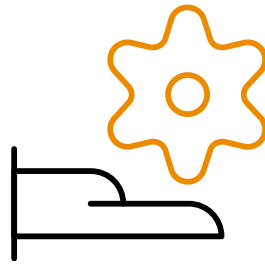
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BrainChip is an IP solutions company.

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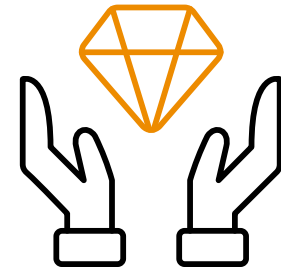


Up-front cash payments to acquire single or multi-product IP licenses



Engineering support to provide customized silicon solutions, systems & product integration

On-going customer care & after-sales support



High-margin/ low-cost business with IP royalty streams for life-of-product

Akida chips can be manufactured under licence at any modern chip foundry

# Accelerating Commercial Ecosystems & Partnerships

## EARLY ADOPTERS



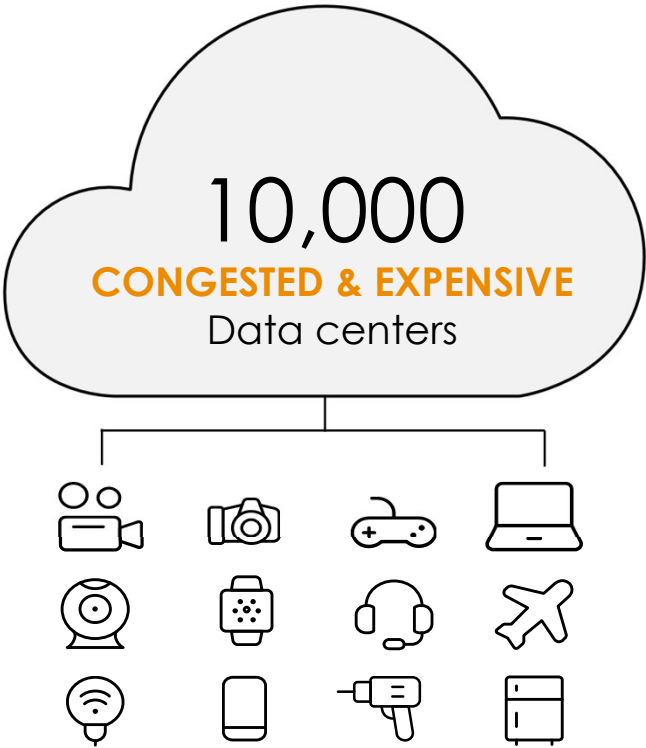
## LICENSEES



## PARTNERS



Big Opportunity



1 TRILLION+ Intelligent Edge Devices and GROWING

\$15.7T

Global GDP Benefit  
from AI in 2030\*

\*PWC Analysis Report

\$1.2T

AIoT revenue  
in 2030\*\*

\*\*Forbes Business Insights

\$70B

Edge Devices  
needing AI  
in 2025\*\*\*

\*\*\*McKinsey

Key Challenges

- \* Responsiveness
- \* Efficiency
- \* Reduced latency
- \* Privacy & Security
- \* Scalability

# Edge AI is the Future of Computing

## Gartner Emerging Technologies and Trends...

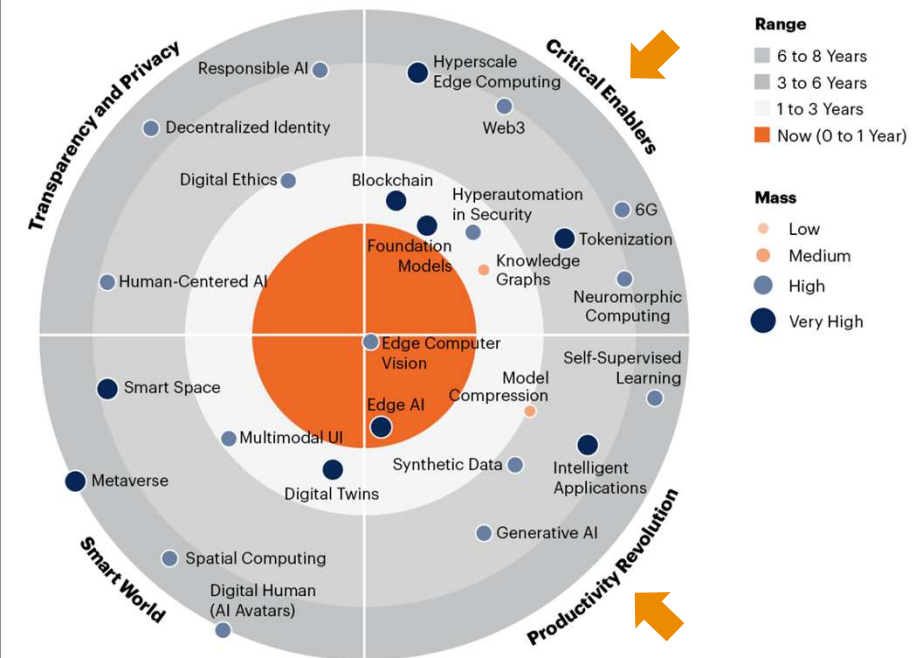
### Edge AI is part of the Productivity Revolution

- \* AI at the edge
- \* Close to sensor
- \* Sensor fusion
- \* Send “information” not data

### Neuromorphic Computing is a Critical Enabler

- \* Efficiency
- \* Parallelism
- \* Performance

## 2023 Gartner Emerging Technologies and Trends Impact Radar



gartner.com

Note: Range measures number of years it will take the technology/trend to cross over from early adopter to early majority adoption. Mass indicates how substantial the impact of the technology or trend will be on existing products and markets.

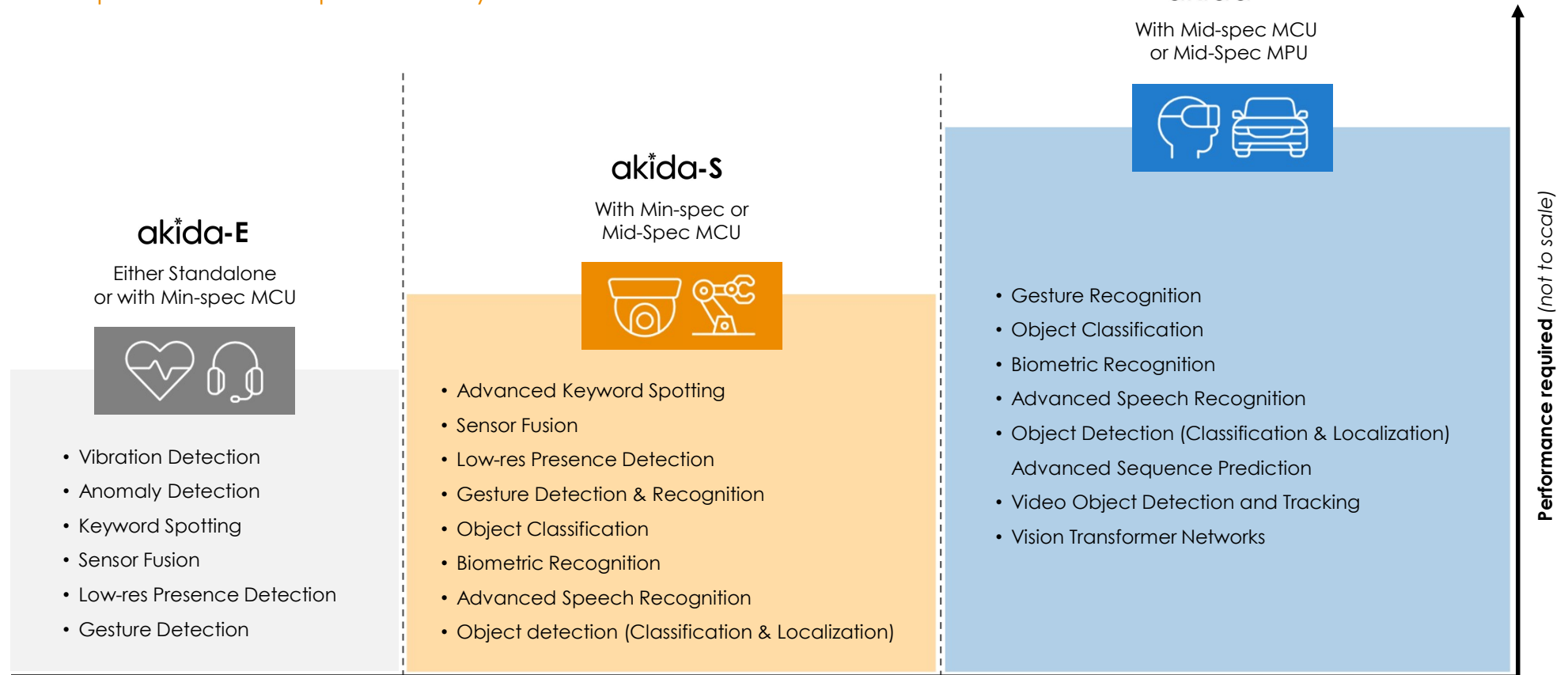
Source: Gartner  
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Gartner



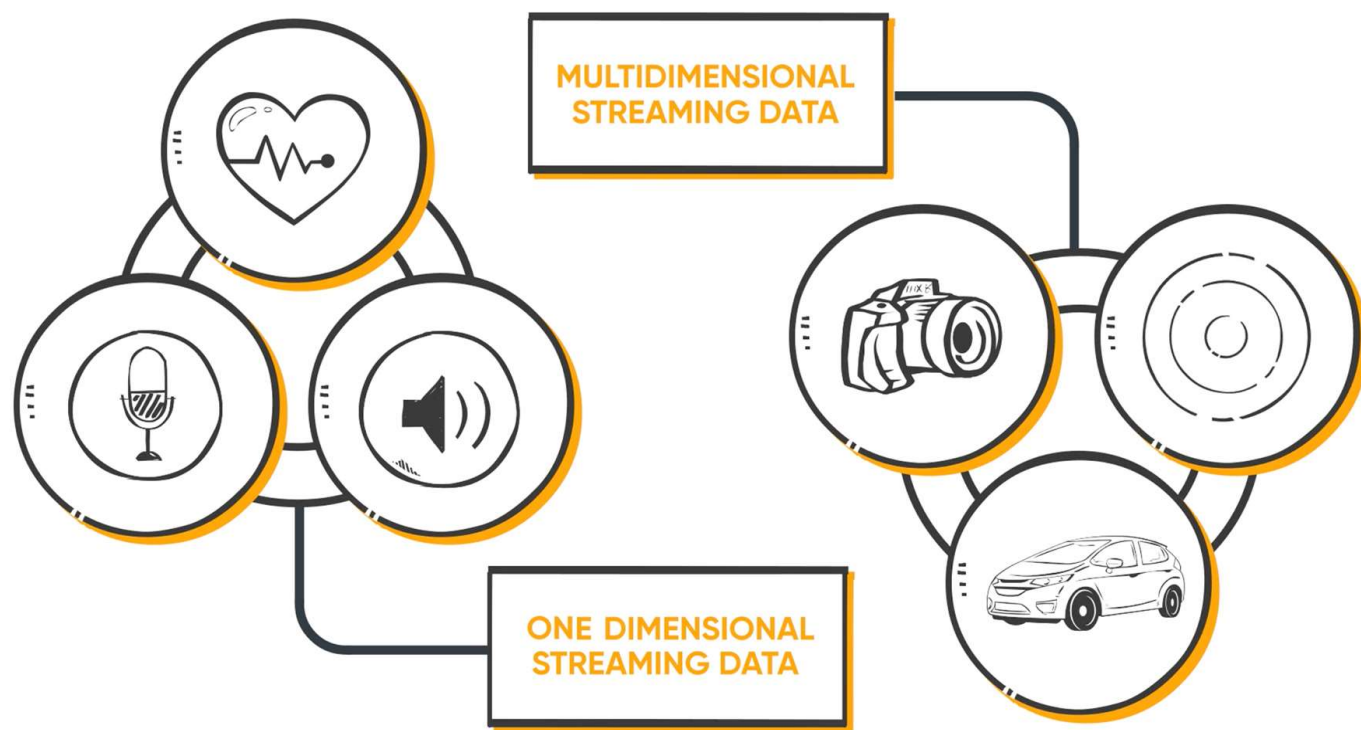
# Enabling Compelling Edge AI Solutions

Akida products can implement any network



# Changing the Game with the 2<sup>nd</sup> Generation

Unleashing unprecedented Intelligent Edge Devices



**Up to 500x**  
More efficient

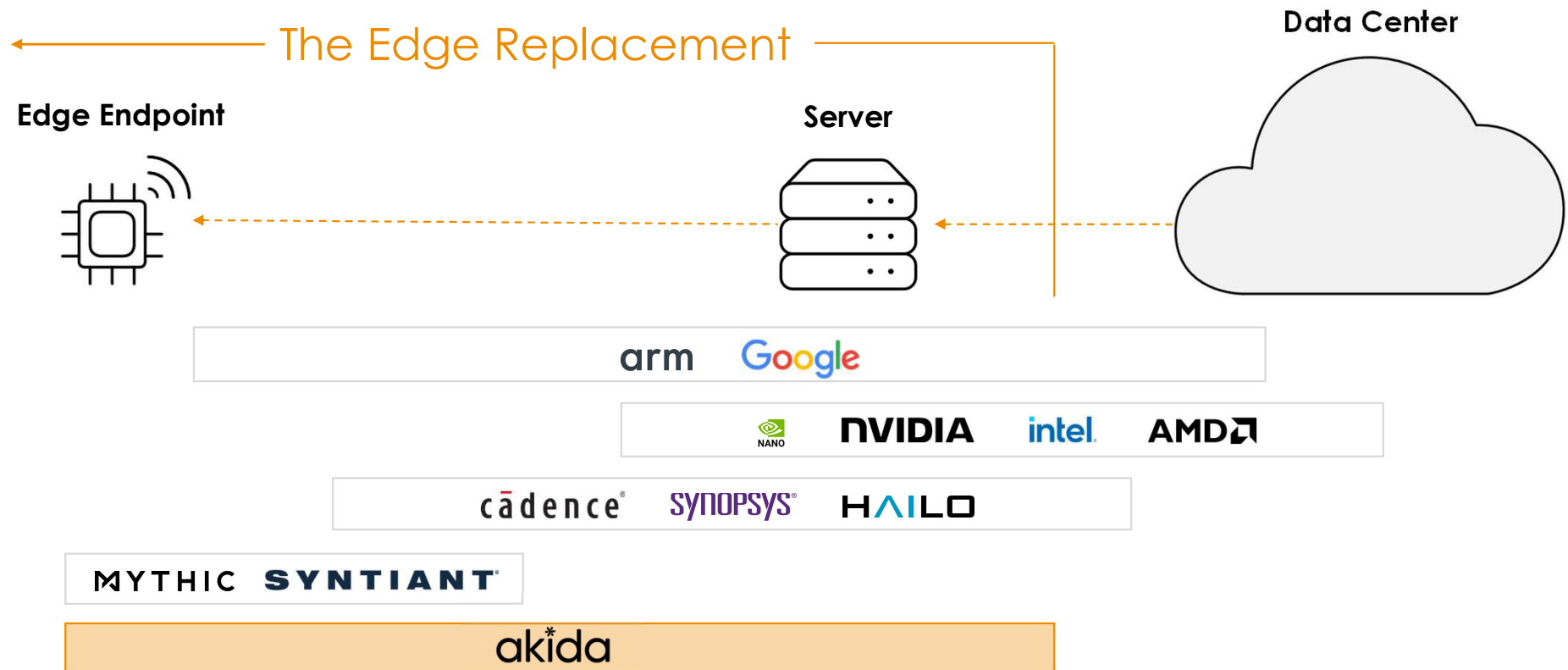
**Up to 150x**  
Smaller models

**Same or better  
Accuracy**

**Customizable  
and Secure**

# Leading the Disruption at the Edge

A competitive landscape

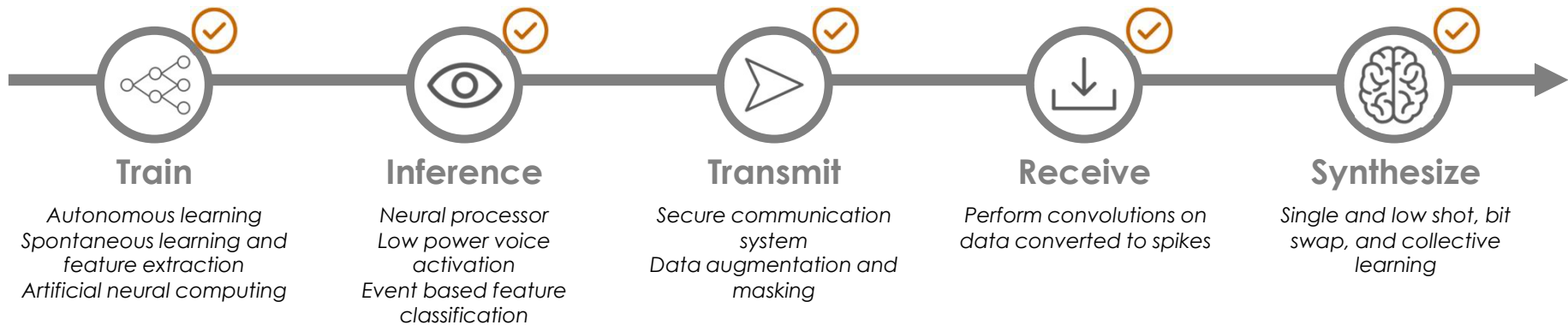


# Strong IP Protection

Through entire product pipeline

 **18**  
Patents Granted

 **30**  
Patents Pending





First samples expected in Q4'2023

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VVDN Technologies partners with BrainChip to create an Akida-powered Edge Box

✧ **Security and Surveillance**

Intrusion Detection, Facial Recognition, Behavior Analysis

✧ **Retail**

Customer Behavior Analysis, Inventory Management,  
Theft Prevention

✧ **Healthcare**

Patient Monitoring, Rehabilitation, Elderly Care

✧ **Manufacturing and Industrial**

Quality Inspection, Worker Safety, Automation

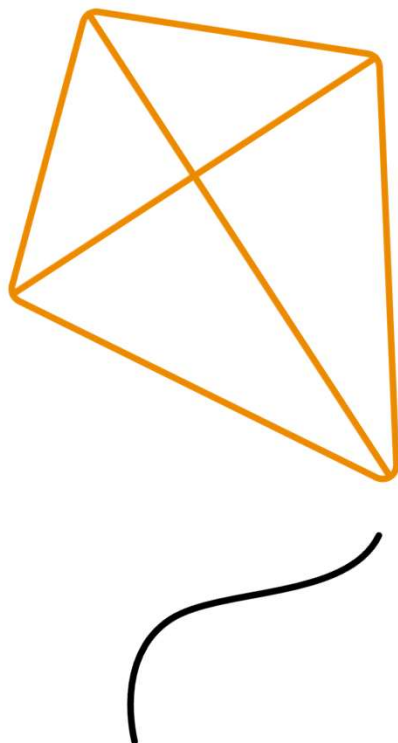
## Investment Thesis

- ✓ Strong Board & Management Team
- ✓ Adequate funding & headroom for growth
- ✓ Strong investor support in Australia, growing support in US & EU
- ✓ Massive competitive advantage in neuromorphic AI IP
- ✓ Akida 2.0 available as IP now
- ✓ TAM forecast to reach US\$70B by 2025 (17%CAGR)
- ✓ Marquee EAP customers include Mercedes, Valeo, Vorago and NASA
- ✓ Ecosystem partnerships with Arm, Intel, SiFive, Nviso, Edge Impulse and Prophesee
- ✓ Commercial licenses with Renesas and MegaChips



Clear business model includes IP licensing, support and high-margin royalty streams.

Questions?



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**ASX**  
AUSTRALIAN SECURITIES EXCHANGE

ASX:BRN

**OTCQX** OTCQX: BCHPY