



## AGM Presentation Correction

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- Correction to AGM Presentation
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**SYDNEY, Australia – 01 June 2021** – [BrainChip Holdings Ltd](#) (ASX: BRN) advises that as a result of an administrative error, the Annual General Meeting presentation released to ASX on 26 May 2021 contained an error in Slide 20.

The presentation presented to the Annual General Meeting attendees included the correct version of slide 20 and a copy of this presentation is appended.

The Company apologises for this administrative error.

**This announcement is authorised for release by the BRN Board of Directors.**

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### About Brainchip Holdings Ltd (ASX: BRN)

BrainChip is a global technology company that is producing a groundbreaking neuromorphic processor that brings artificial intelligence to the edge in a way that is beyond the capabilities of other products. The chip is high performance, small, ultra-low power and enables a wide array of edge capabilities that include on-chip training, learning and inference. The event-based neural network processor is inspired by the spiking nature of the human brain and is implemented in an industry standard digital process. By mimicking brain processing BrainChip has pioneered a processing architecture, called Akida™, which is both scalable and flexible to address the requirements in edge devices. At the edge, sensor inputs are analyzed at the point of acquisition rather than through transmission via the cloud to a data center. Akida is designed to provide a complete ultra-low power and fast AI Edge Network for vision, audio, olfactory and smart transducer applications. The reduction in system latency provides faster response and a more power efficient system that can reduce the large carbon footprint of data centers.

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**Manager Investor Relations**

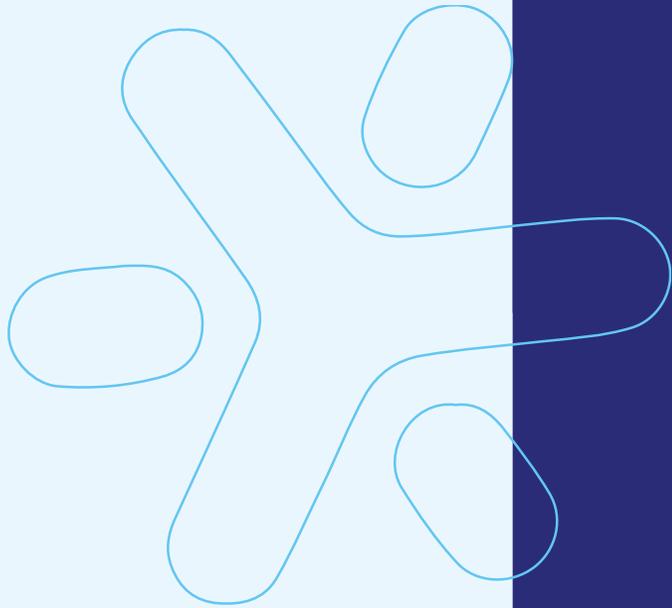
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# 2021 AGM

CEO Update

Peter AJ van der Made  
Founder and CEO



Unlocking the Future of AI.  
This is our Mission.

# Disclaimer, forward looking statements



Certain views expressed here contain information derived from third parties or publicly available sources that have not been independently verified. This presentation includes certain statements, projections and estimates of the anticipated future financial performance of BrainChip Holdings Ltd. and the size, growth and nature of future markets for the company's products.

Such statements, projections and estimates reflect various assumptions made by the directors concerning anticipated results, which assumptions may or may not prove to be correct. BrainChip Holdings Ltd. and its subsidiaries have not sought independent verification of information in this presentation.

While the directors believe that they have reasonable grounds for each of the assumptions, statements, projections and estimates and all care has been taken in the preparation of this presentation, no warranty of representation, express or implied is given as to the accuracy, correctness, likelihood of achievement, or reasonableness of assumptions, estimates, statements and projections that are contained in this presentation. Such assumptions, estimates, statements and projections are intrinsically subject to significant uncertainties.

To the maximum extent allowed by law, none of BrainChip Holdings Ltd, its directors, employees nor any other person accepts any liability arising out of any error, negligence or fault for any loss, without limitation, arising from the use of information contained in this presentation.



# 2021-2025 AI Technology Trends



**Artificial Intelligence  
in every device**



**Autonomous Machines**

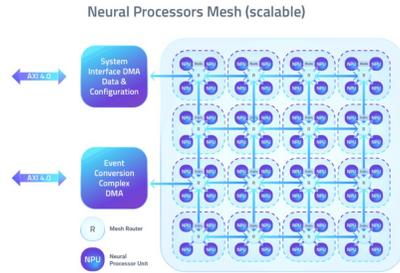


**Autonomous and Safe  
Self-driving vehicles**



**Independence from  
Cloud connectivity**

# Akida: Path to Revenue



IP



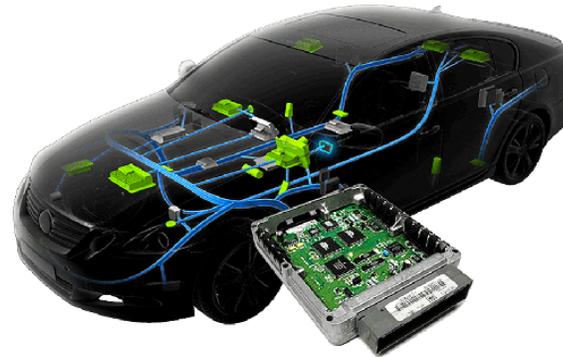
CHIP



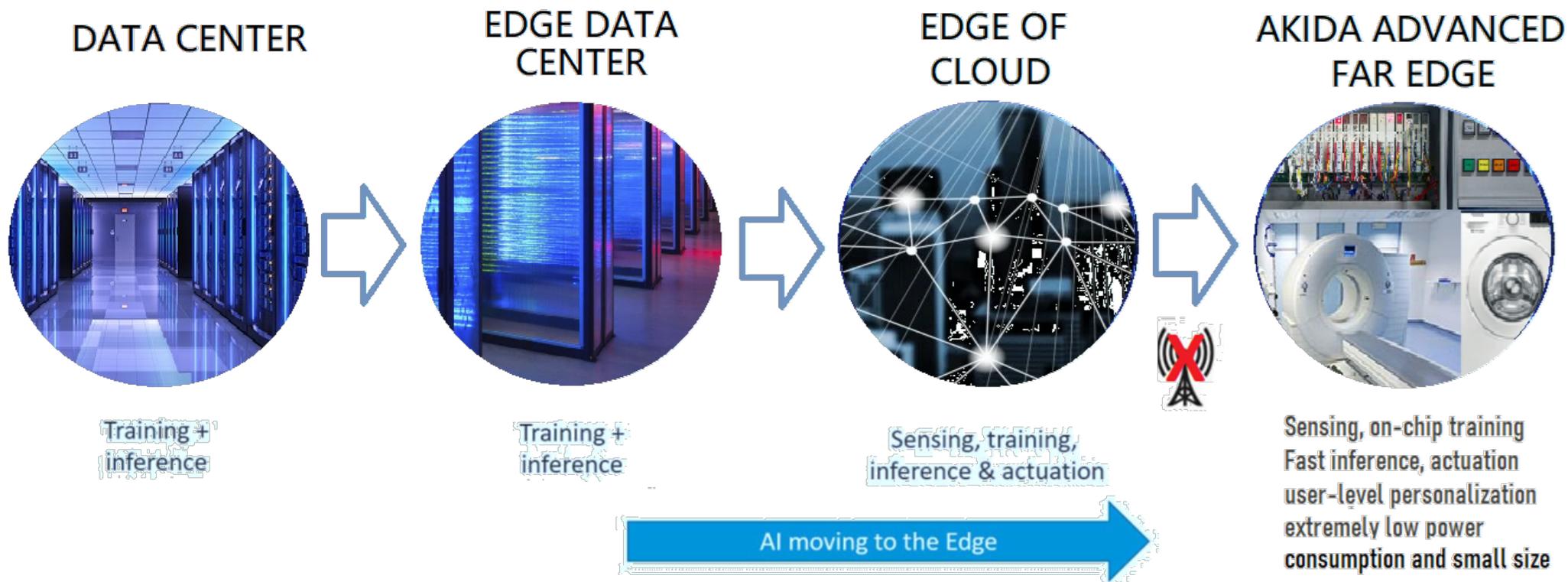
MODULES



USB



# AI Moving to the **Edge**



# BrainChip Expanding Opportunities



# The BrainChip Advantage

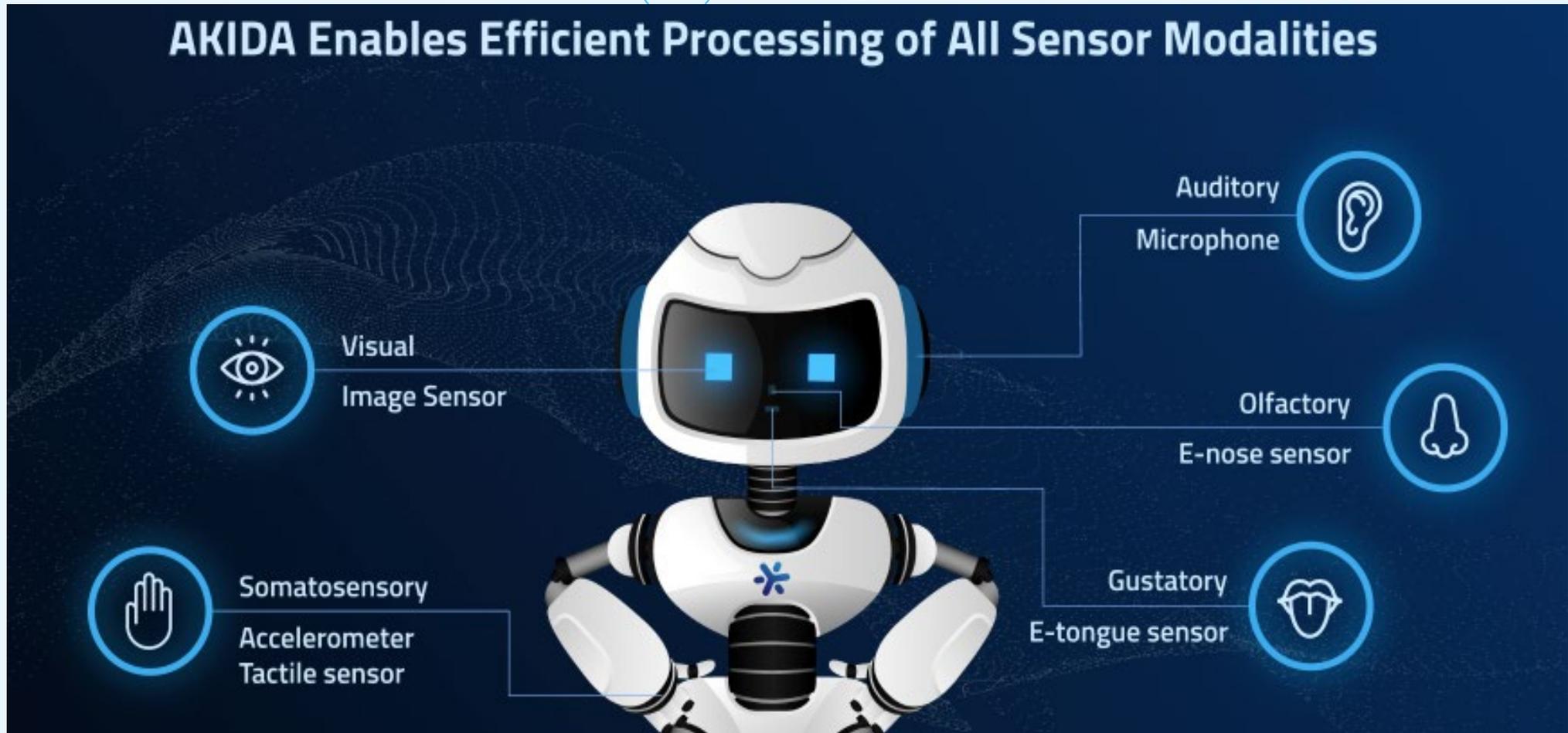


Figure 1: Comparing the brain, neuromorphic chip, and GPU in AI inference mode

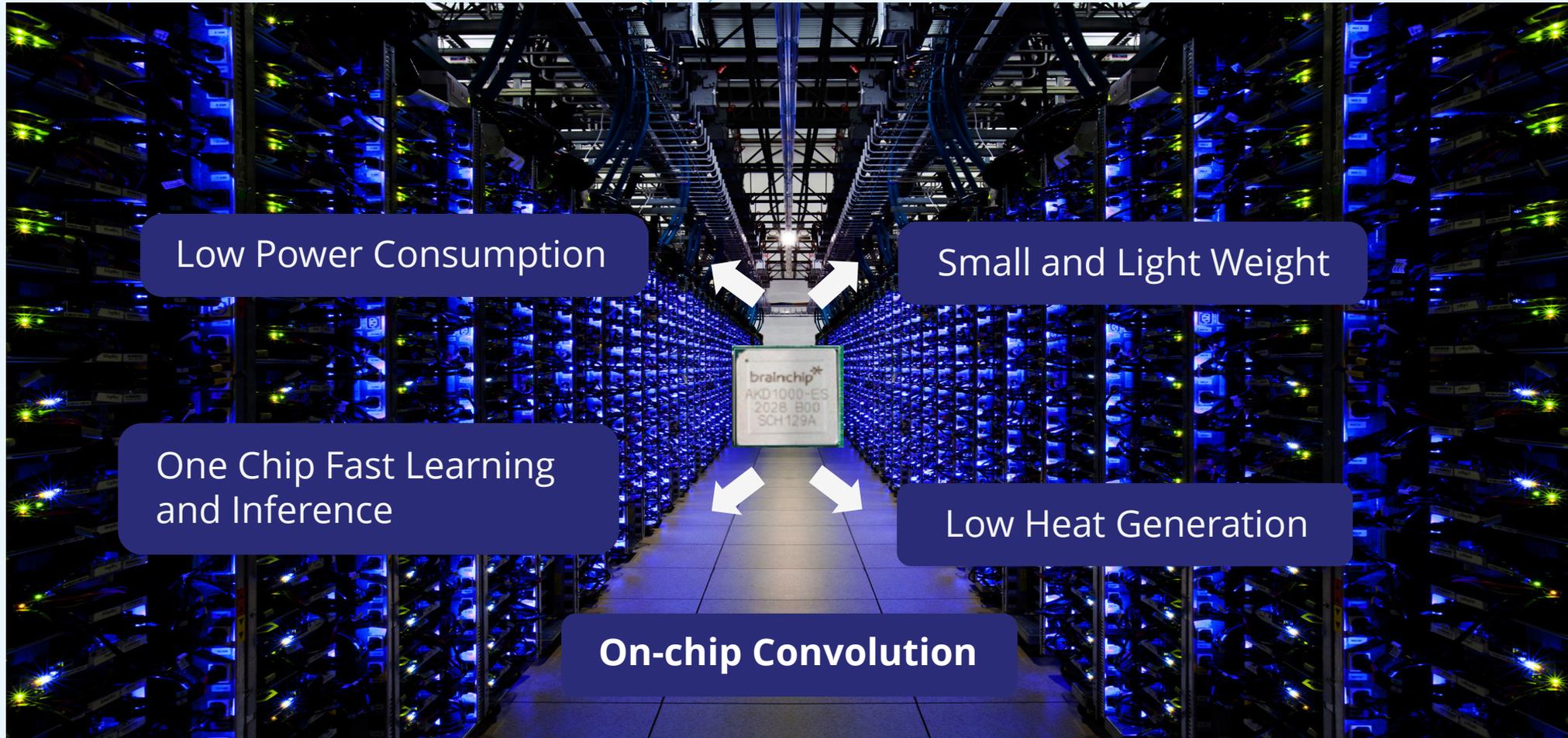
	Human brain	Neuromorphic chip	Deep learning on GPU
Power consumption	~20W	Micro to milliwatts	100s W
Processing speed	Milliseconds	Nanoseconds	Milliseconds
Efficiency (sparsity)	High	High	Variable
Learning rule	Local (we believe)	Local	Global
Event based processing	Yes	Yes	Less suitable

Source: Kisaco Research

# The BrainChip Advantage



# Key Differentiators



# The Future Looks **Bright**

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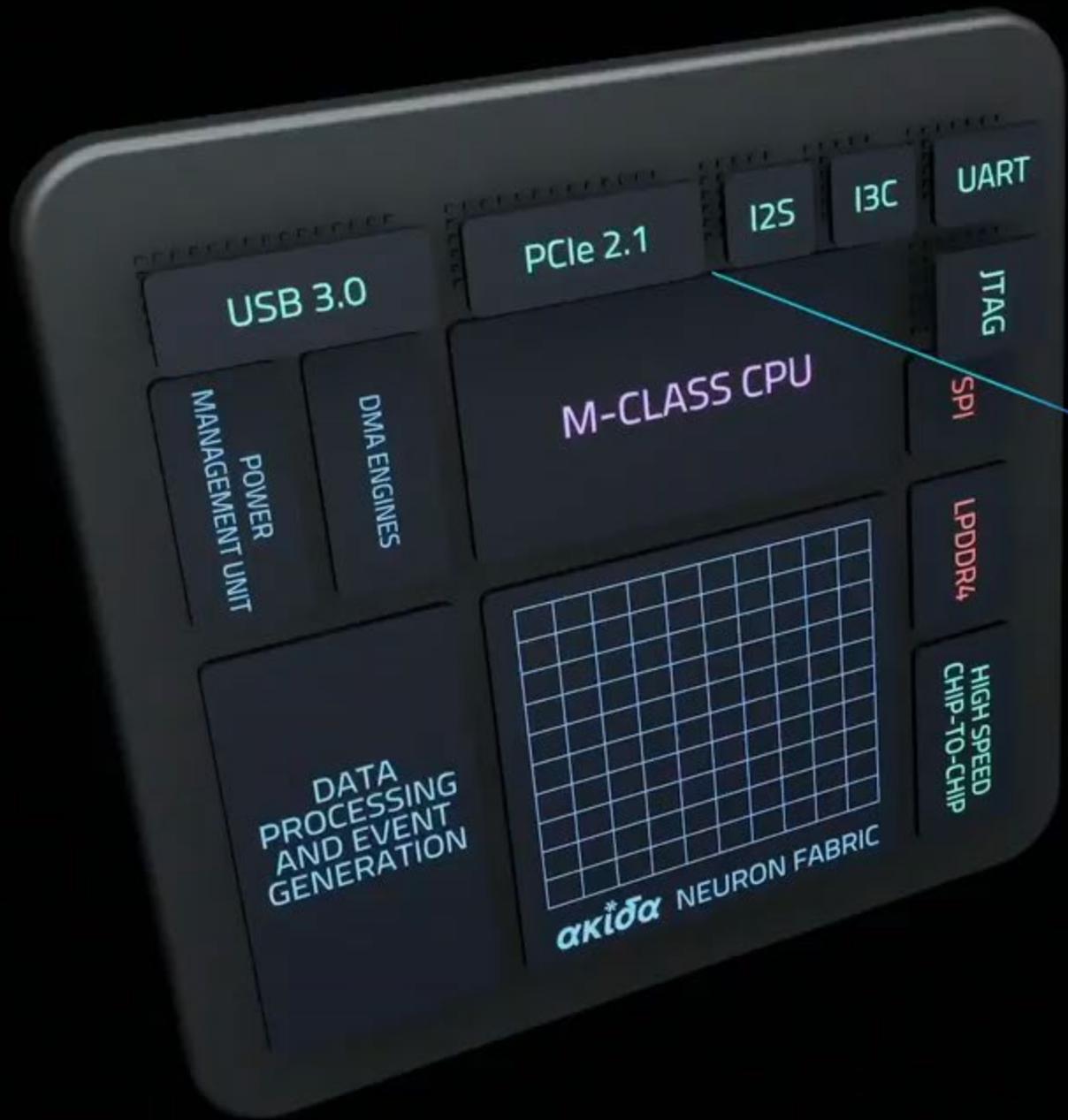


- Transitioning from a R&D Phase into Production and Sales
- Building a network of Design Partners (chip) and Solution Providers (modules)
- Producing First generation (beyond Engineering Samples)
- Driving Revenue by Licensing of the IP, chip sales. Module sales and royalties
- Gaining market share in chip manufacturing and sales
- Tracking IP sales and large accounts

# Customer Engagement



- Create awareness
- Consideration
- Evaluation
- Support
- IP Licensing
- Development and Testing
- Production and sales



## Data Input Interfaces

- PCI-Express 2.1 x2 Lane Endpoint
- USB 3.0 Endpoint
- I3S, I2C, UART, JTAG

# Defining Industry

## Enabling **Technologies**



brainchip\*



WEARABLES

USER CONFIGURABLE

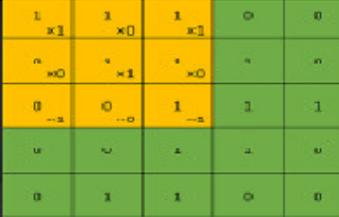
BATTERY OPERATED

REMOTE SENSING

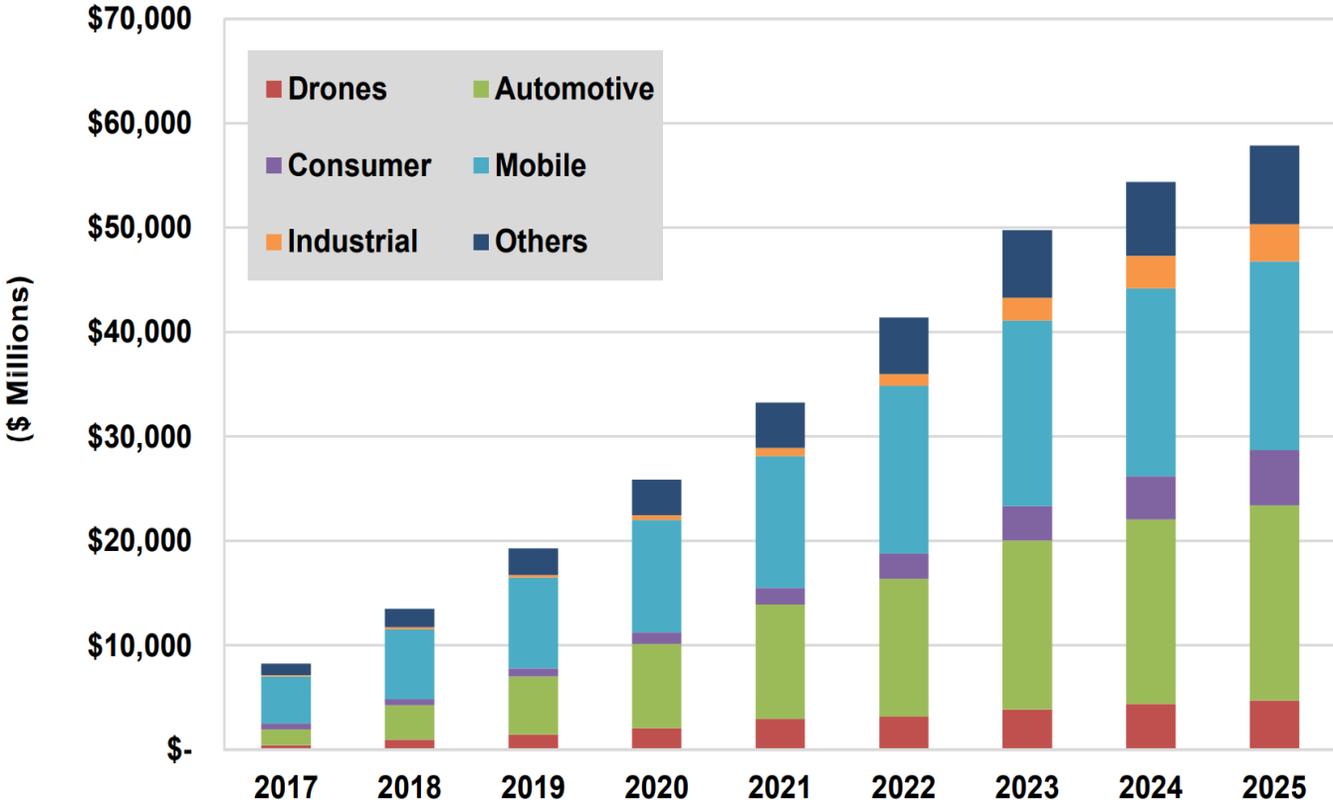
Artificial Intelligence in every device	✓	✓	✓	✓
Autonomous machines		✓	✓	✓
Augmented reality	✓	✓	✓	
Home Appliances		✓	✓	✓
Security and Privacy	✓	✓	✓	✓

# Competitive Analysis



brainchip*					
	Micro- to Mw Power use	Real-time on-chip learning & training	TensorFlow Compatible	Stand-alone possible (No CPU required)	On-chip Convolution
BrainChip Akida AKD1000	✓	✓	✓	✓	✓
IBM TrueNorth	✓	NONE	LEARN COREL		
Intel Loihi	✓	PROGRAMMABLE	LEARN NEF		
Google Coral TPU	2-5W	Math chip	✓		
DLAs (Nvidia, others)		Math chip	✓		

# Edge Based **Devices** requiring AI - \$60B by 2025



(Source: Tractica)

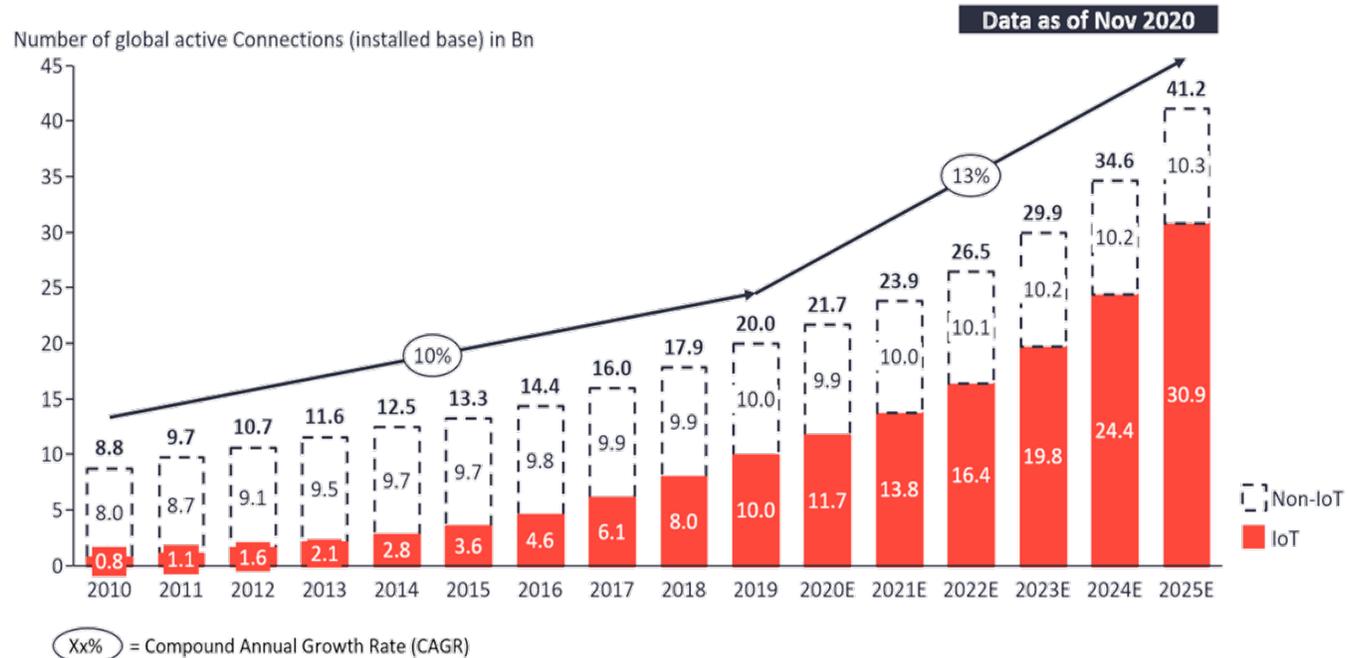
# Edge AI Market Forecasts (3<sup>rd</sup> party)



Insights that empower you to understand IoT markets

## Total number of device connections (incl. Non-IoT)

20.0Bn in 2019– expected to grow 13% to 41.2Bn in 2025

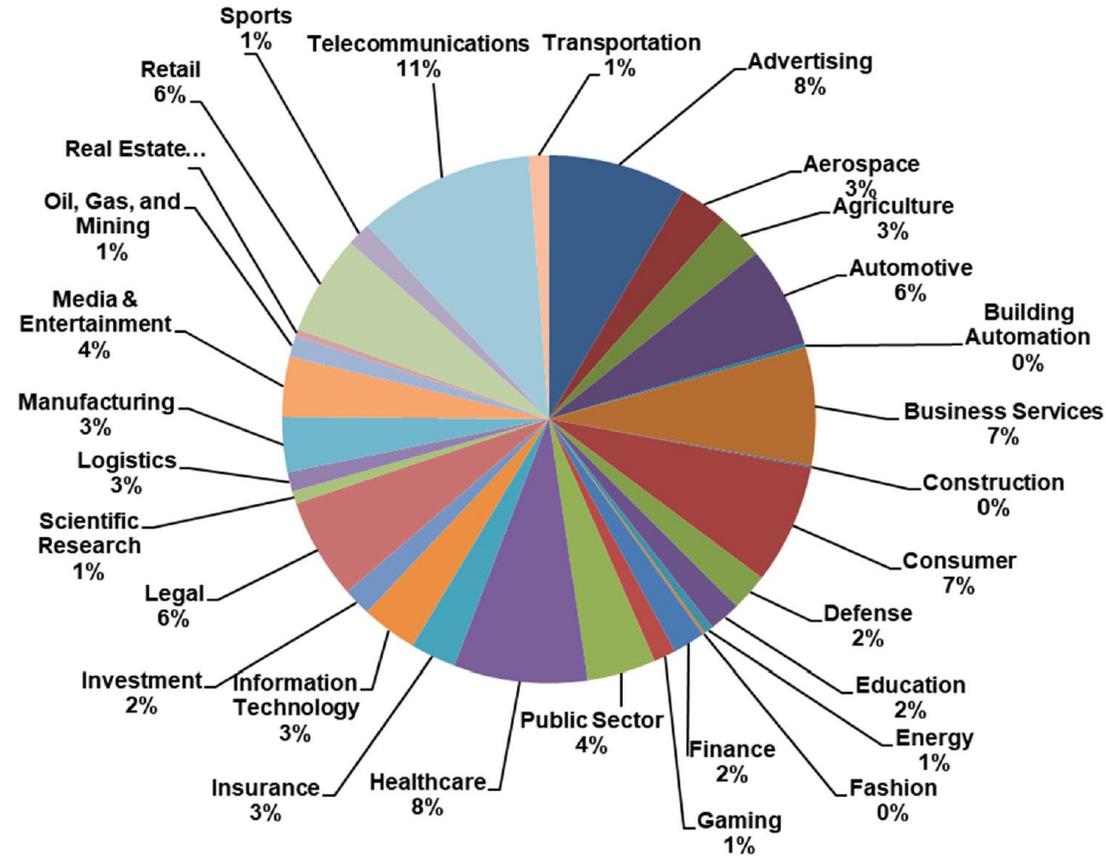


Note: Non-IoT includes all mobile phones, tablets, PCs, laptops, and fixed line phones. IoT includes all consumer and B2B devices connected – see IoT break-down for further details

Source(s): IoT Analytics - Cellular IoT & LPWA Connectivity Market Tracker 2010-25

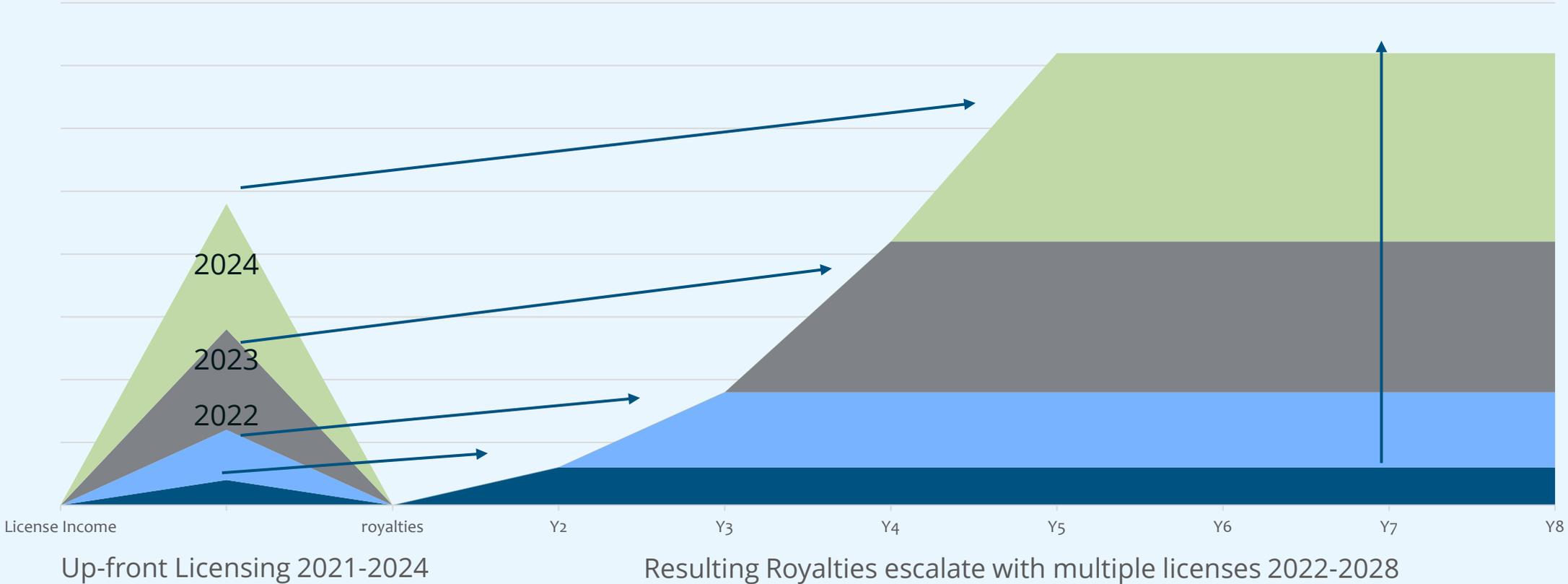
# Edge AI Market Forecasts (3<sup>rd</sup> party)

Chart 3.3 Artificial Intelligence Revenue Share by Industry, World Markets: 2025



(Source: Tractica)

# Conceptual IP Licensing and Royalties Model

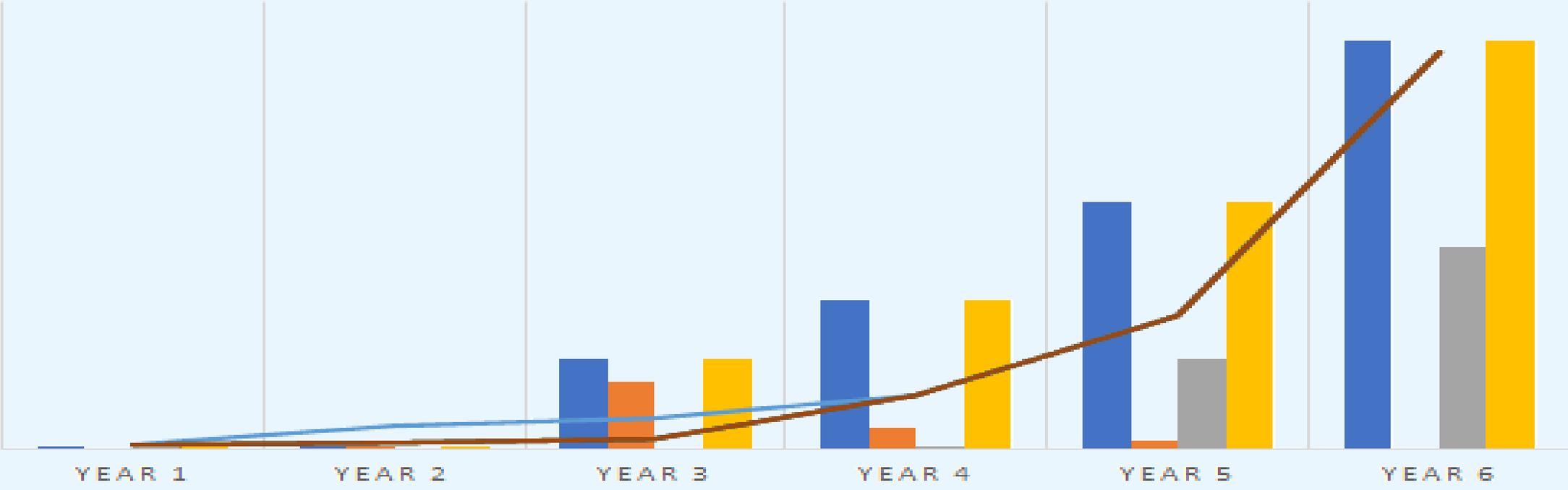


# Conceptual Chip & Module Sales Outlook



## SALES FORECAST 2021-2026 CHIPS & MODULES

- AKD1000
- AKD1500
- AKD2000
- AKD500
- Tacheon Pi
- PCIe
- USB dongle
- M.2 PCIe



# Investing in the **Future**



- **AKD1000**  
Advanced snn with convolution, on-chip learning, low power  
**In production**
- **AKD1500**  
Advanced snn with lstm and transformer networks  
**In development & prototyping**
- **AKD500**  
Low cost version of akd1000, consumer products
- **AKD2000**  
Optimized version of the akd1500 for lstm and transformers
- **AKD2500**  
Advanced snn for capsule networks and htm
- **AKD3000**  
Optimized akd2500 for recurrent cortical networks, capsule networks and htm
- **AKD4000**  
Cortical network processor with non-volatile memory

# Investing in People



Investing in the  
**RIGHT PROCESSES  
AND VALUES**  
for attracting  
and retaining  
**THE RIGHT PEOPLE**

- New CEO search
- Attract additional New Board Members
- Growth of Sales and Marketing
- Growth of Engineering and Product Development
- Growth of Business Operations

# BrainChip Investor Relations



- ASX 300 Index
- OTCQX Listing
- Opening the door for institutional investors
- Improving Communication with investors
- Appointed new Investor Relations Manager

# Summary: Unlocking the **Future** of AI

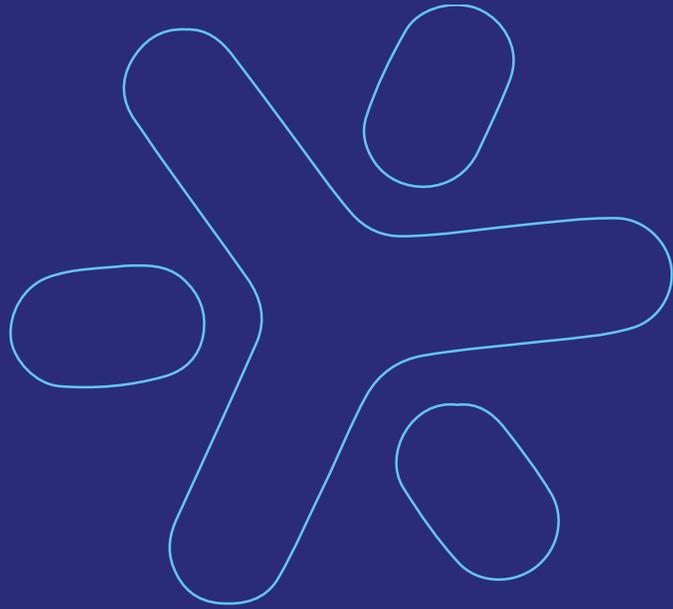


We don't make the sensors  
**WE MAKE THEM INTELLIGENT**

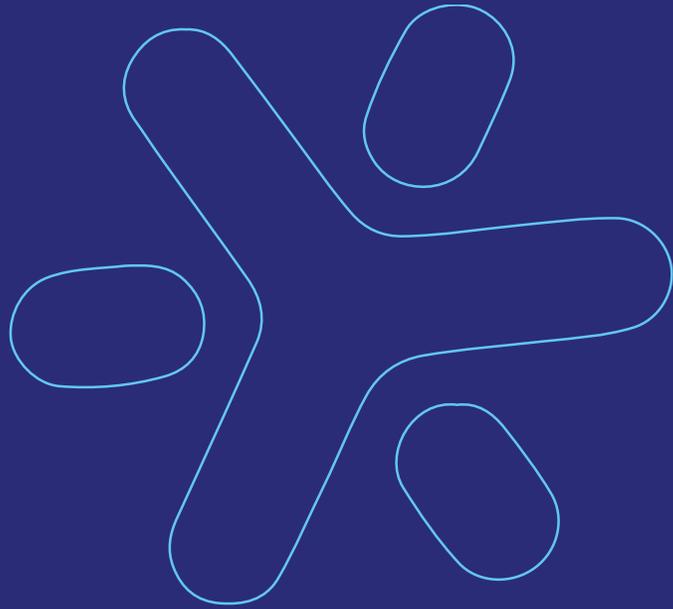
We don't add complexity  
**WE ELIMINATE IT**

We don't waste time  
**WE SAVE IT**

We solve the tough  
*Edge* AI problems  
**OTHERS DO NOT  
OR CANNOT**



# Questions



**Thank you**

brainchip<sup>™</sup> 