



ASX Announcement

AGM Presentation Correction

- 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.

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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Additional information is available at <https://www.brainchipinc.com>

Follow BrainChip on Twitter: https://www.twitter.com/BrainChip_inc

Follow BrainChip on LinkedIn: <https://www.linkedin.com/company/7792006>

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.

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2021-2025 AI Technology Trends



**Artificial Intelligence
in every device**



Autonomous Machines

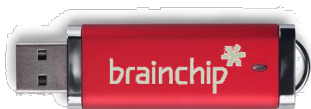
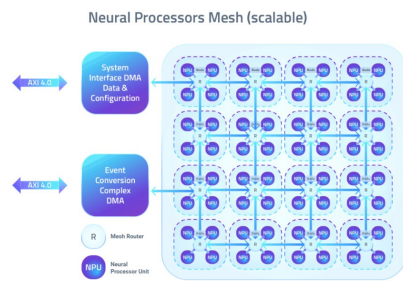


**Autonomous and Safe
Self-driving vehicles**



**Independence from
Cloud connectivity**

Akida: Path to Revenue

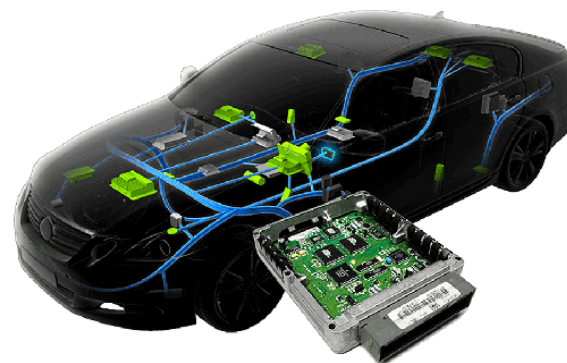


IP

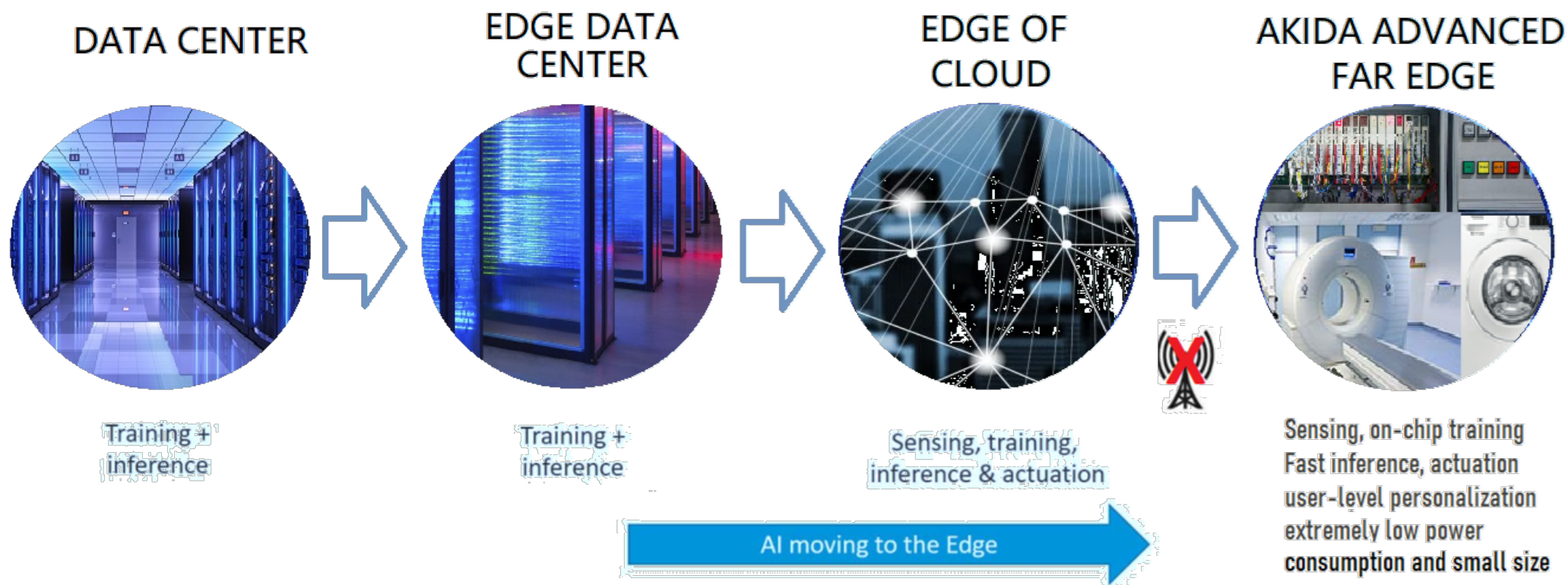
CHIP

MODULES

USB



AI Moving to the **Edge**



BrainChip Expanding Opportunities



The BrainChip Advantage



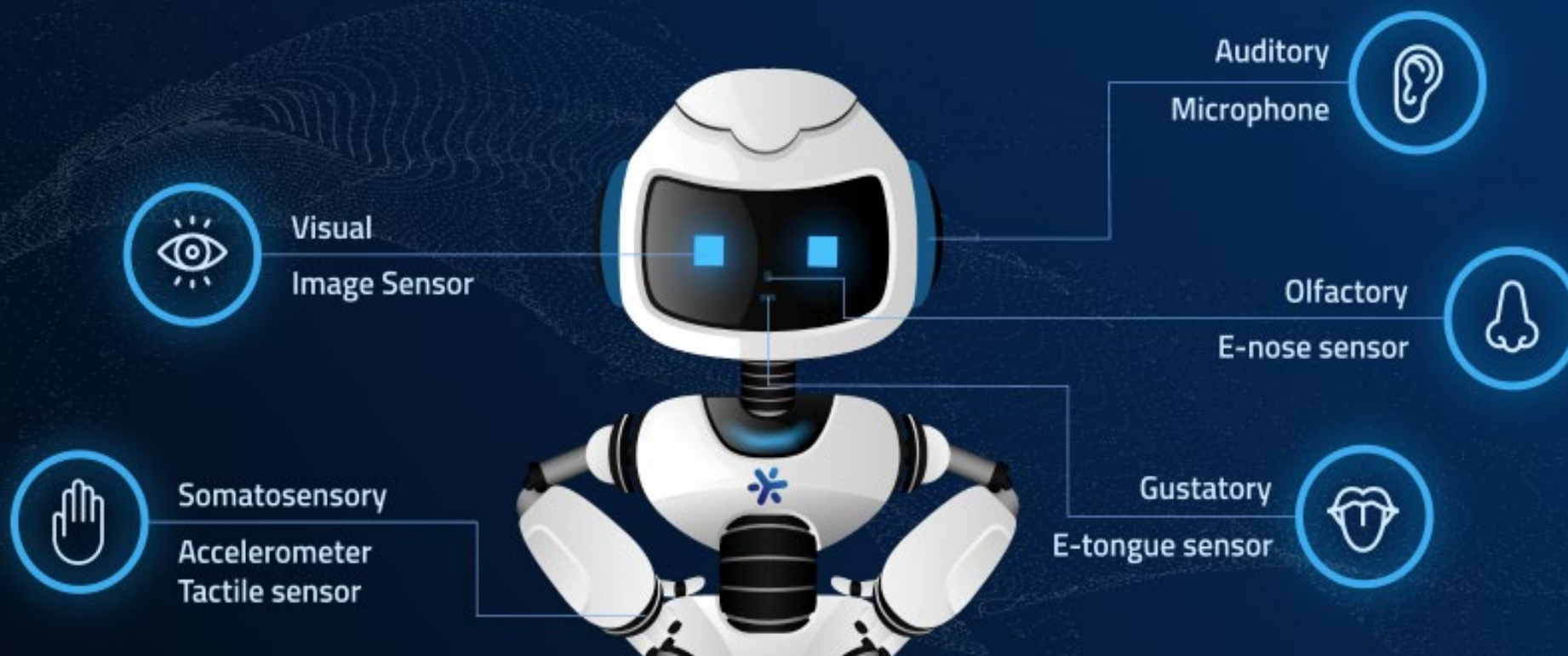
Figure 1: Comparing the brain, neuromorphic chip, and GPU in AI inference mode

	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

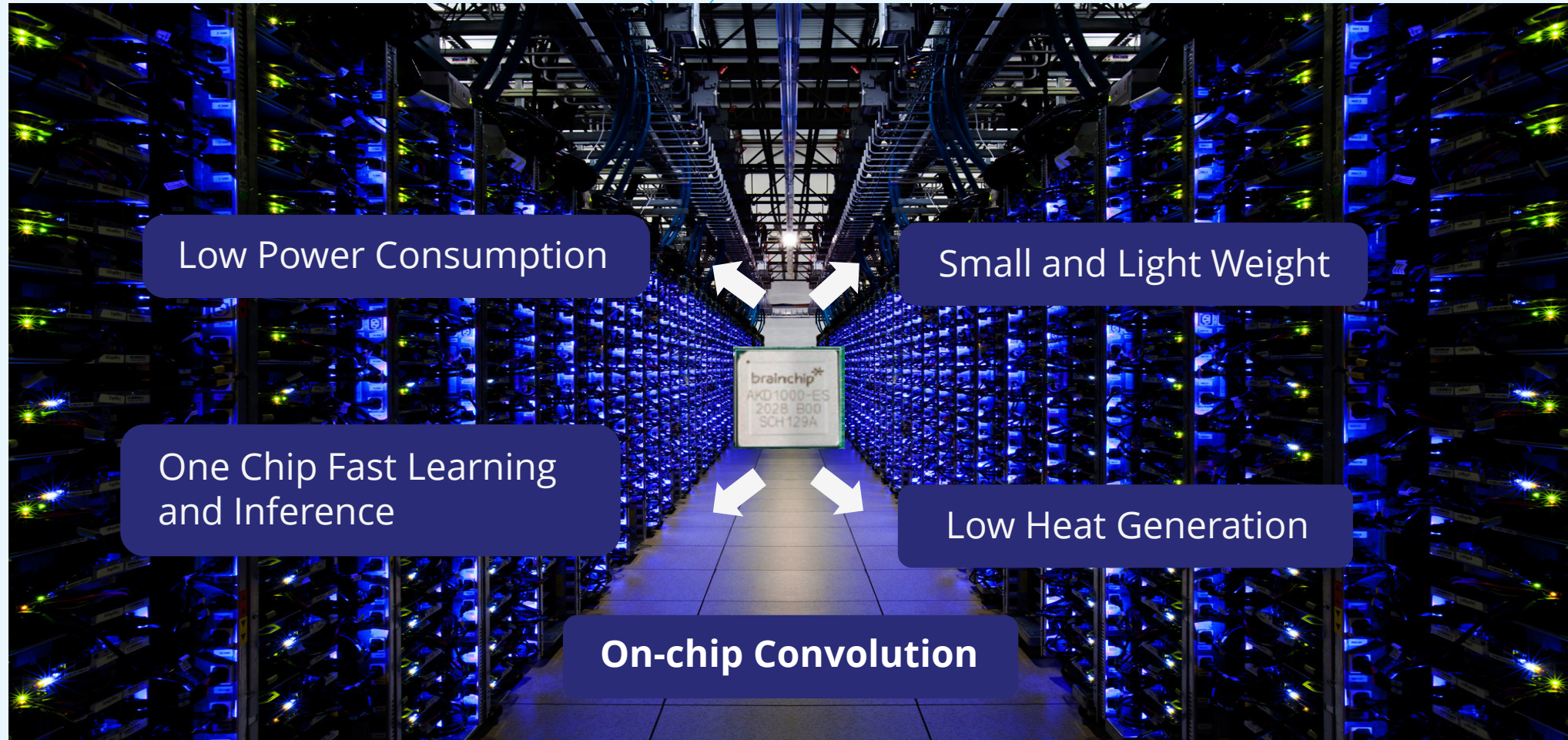
Source: Kisaco Research

The BrainChip Advantage

AKIDA Enables Efficient Processing of All Sensor Modalities



Key Differentiators



The Future Looks **Bright**



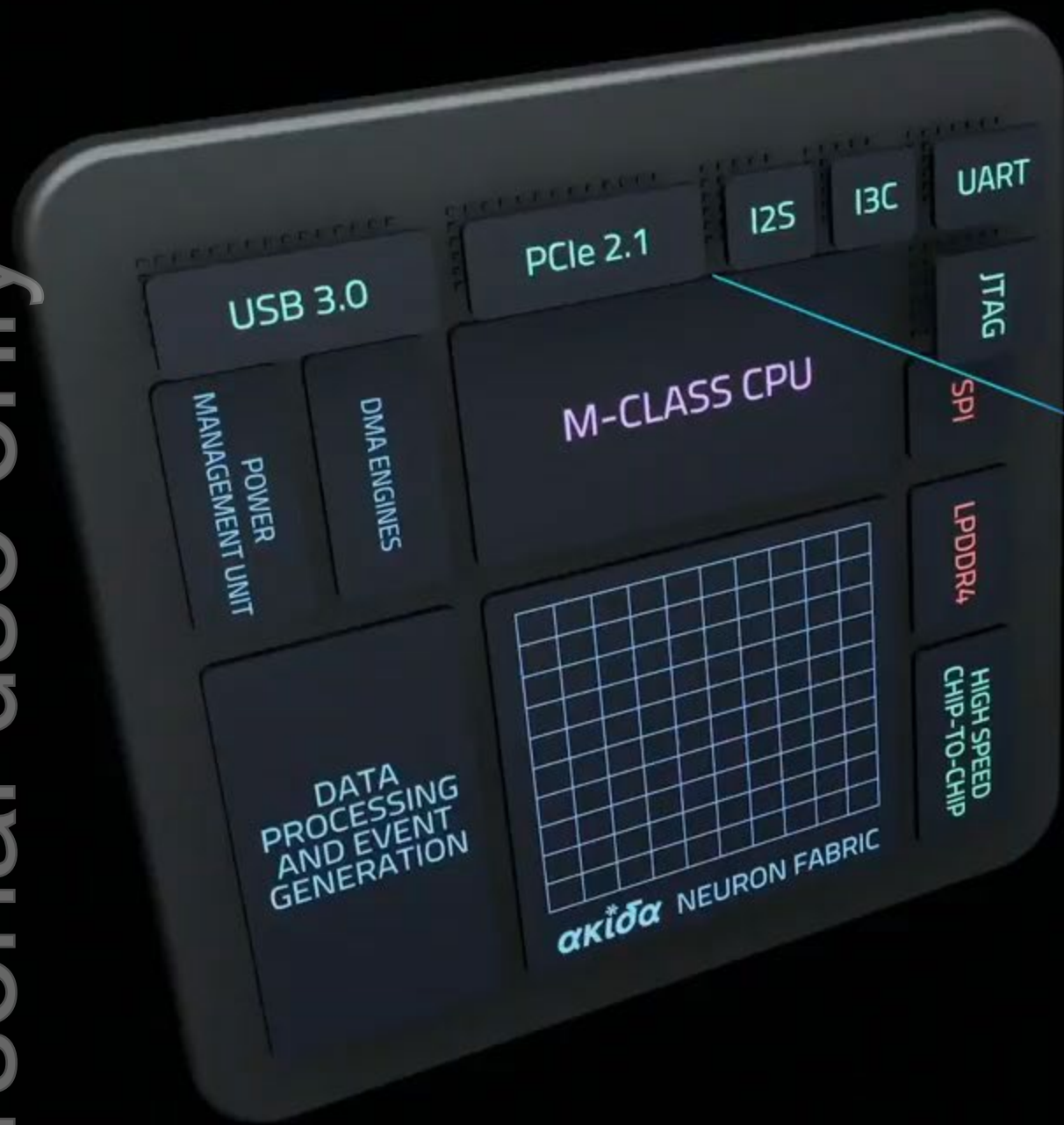
- Transitioning from a R&D Phase into Production and Sales
- Building a network of Design Partners (chip) and Solution Providers (modules)
- Producing First generation (beyond Engineering Samples)
- Driving Revenue by Licensing of the IP, chip sales. Module sales and royalties
- Gaining market share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

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Data Input Interfaces

- PCI-Express 2.1 x2 Lane Endpoint
- USB 3.0 Endpoint
- I2S, 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



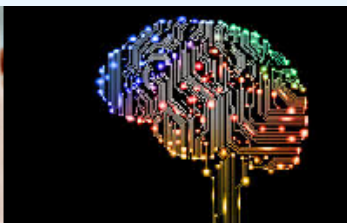
Security and Privacy



Competitive Analysis



Micro- to Mw
Power use



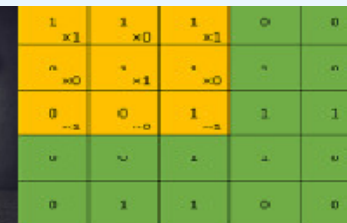
Real-time on-chip
learning & training



TensorFlow
Compatible



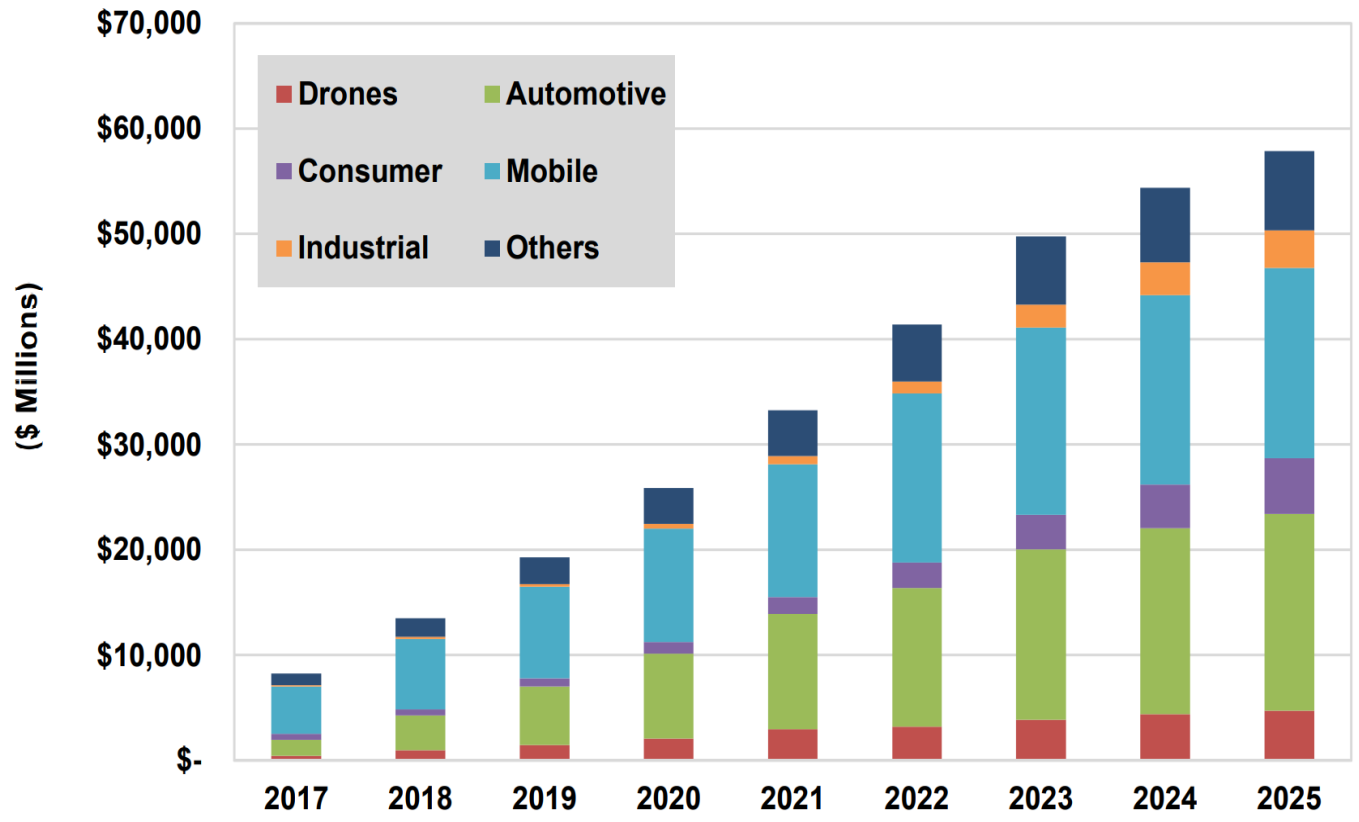
Stand-alone possible
(No CPU required)



On-chip
Convolution

	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)

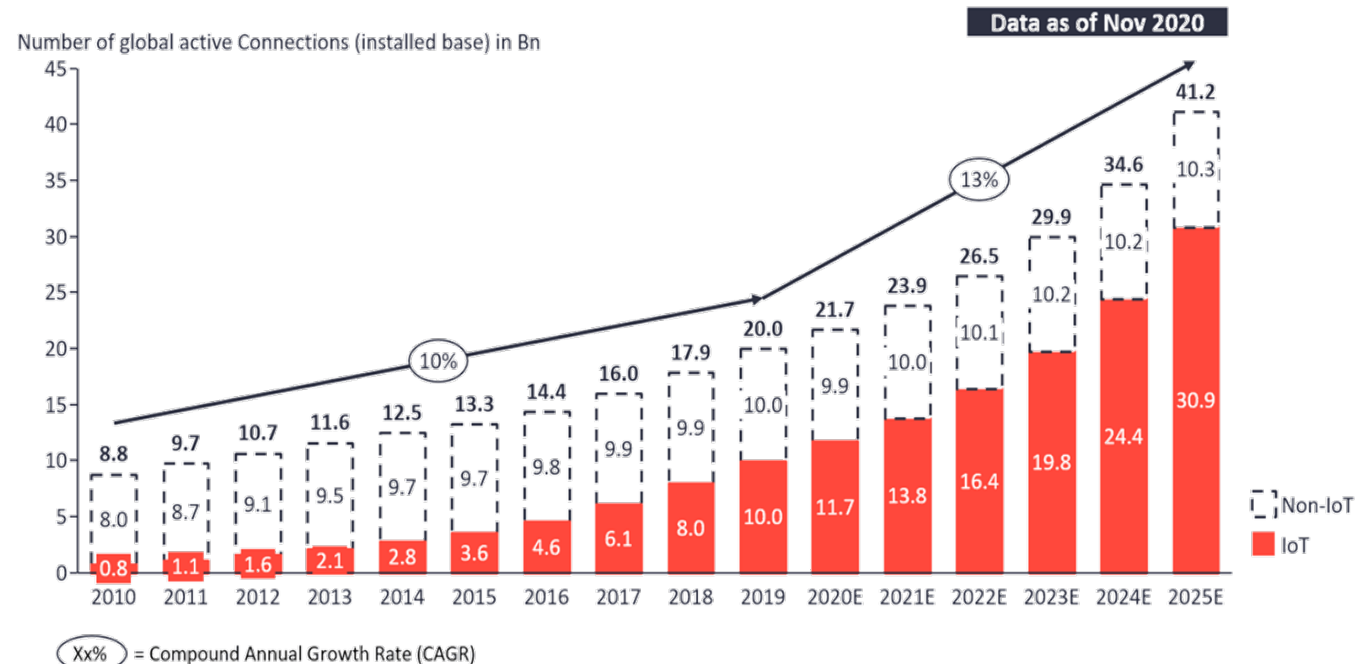
Edge AI Market Forecasts (3rd party)



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

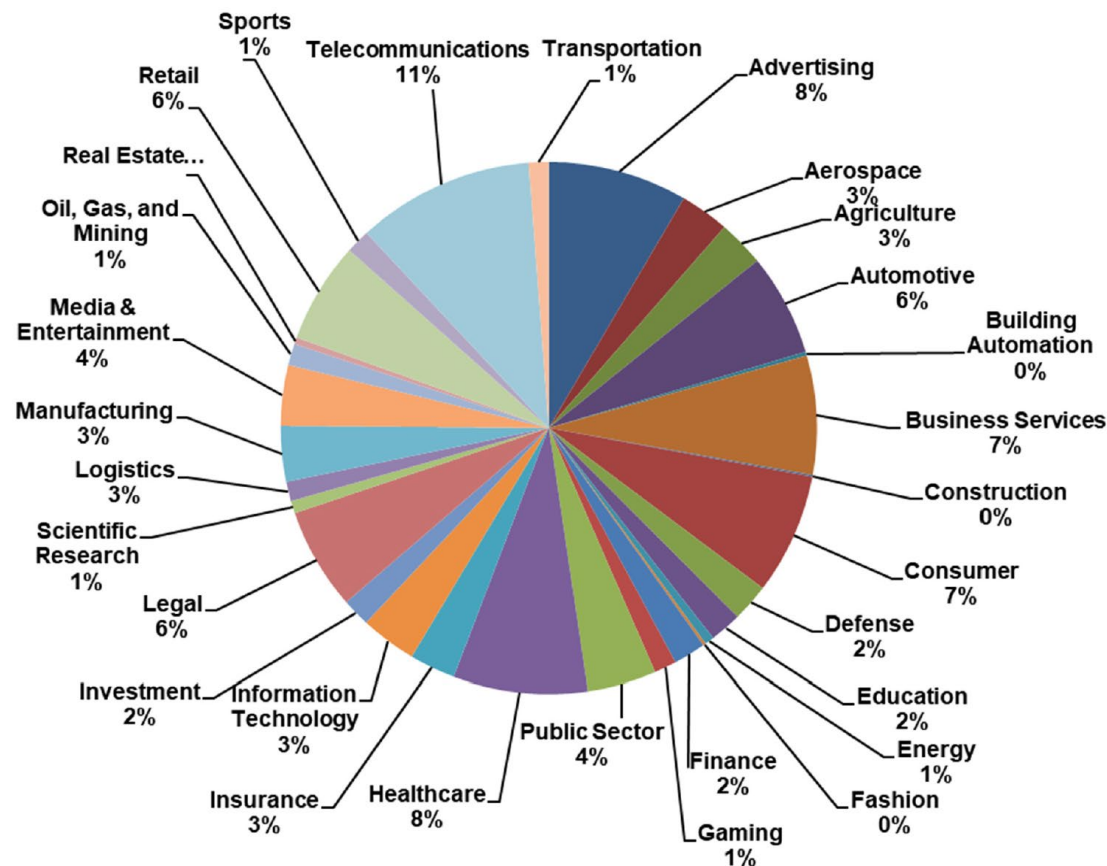


Note: Non-IoT includes all mobile phones, tablets, PCs, laptops, and fixed line phones. IoT includes all consumer and B2B devices connected – see IoT break-down for further details

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

Edge AI Market Forecasts (3rd party)

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

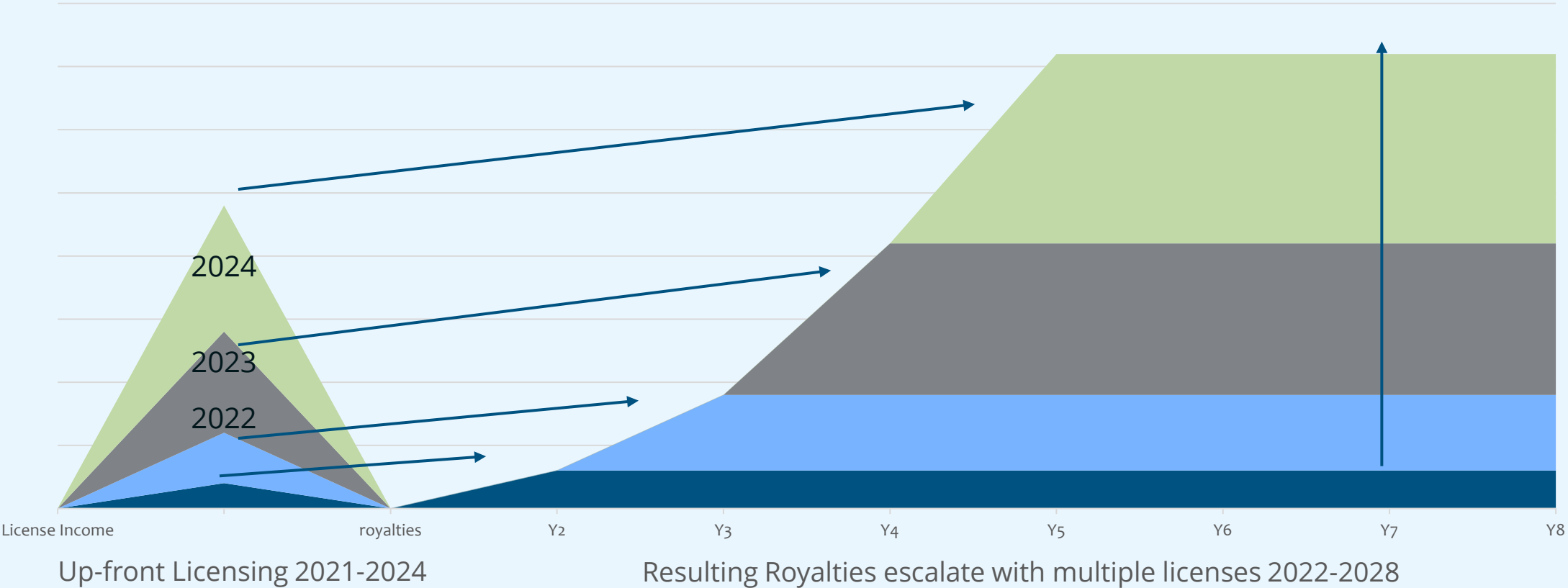


(Source: Tractica)

Conceptual IP Licensing and Royalties Model



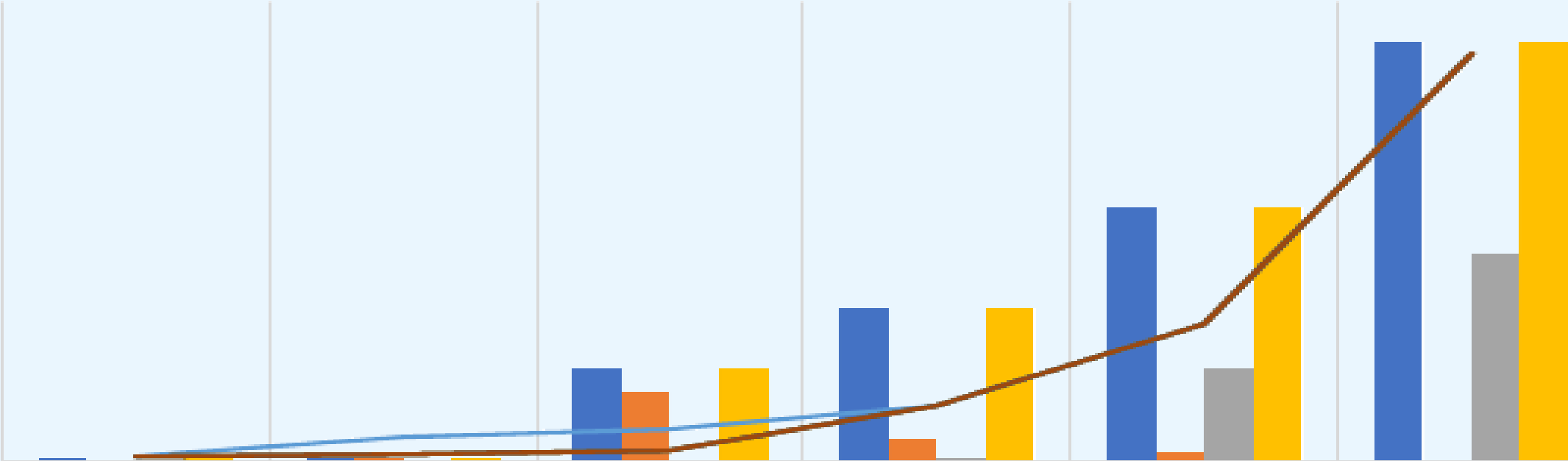
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Conceptual Chip & Module Sales Outlook

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

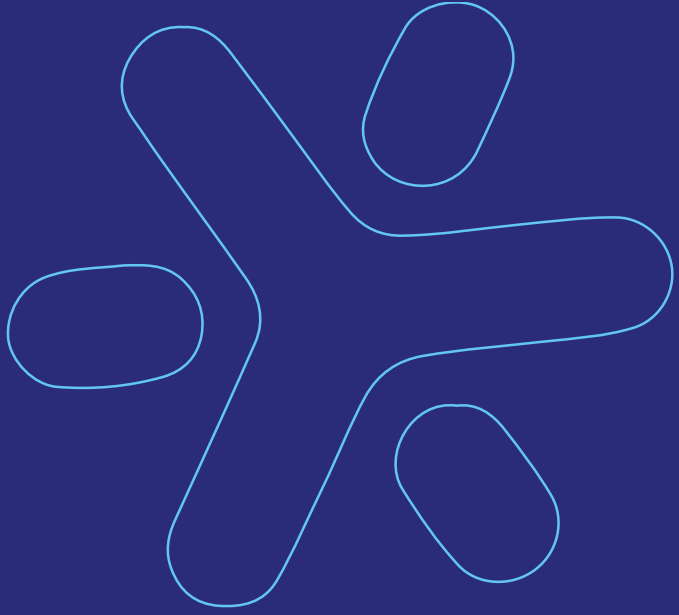


We don't make the sensors
WE MAKE THEM INTELLIGENT

We don't add complexity
WE ELIMINATE IT

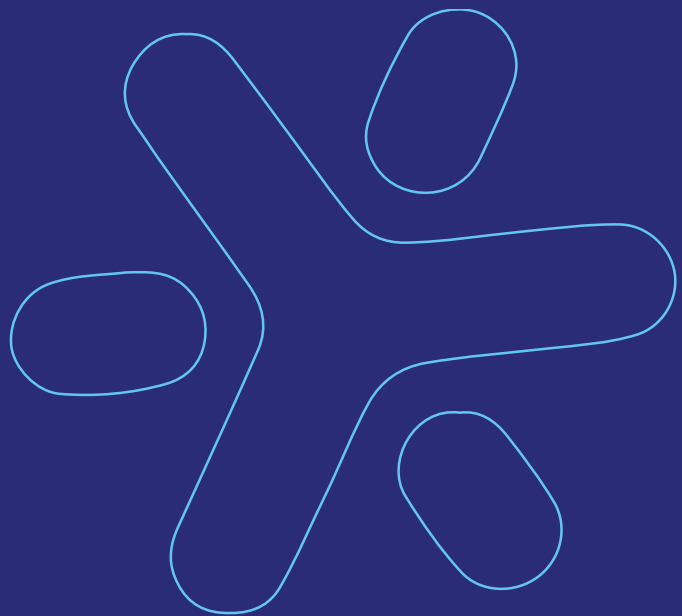
We don't waste time
WE SAVE IT

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



Questions

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Thank you

brainchip[™] 