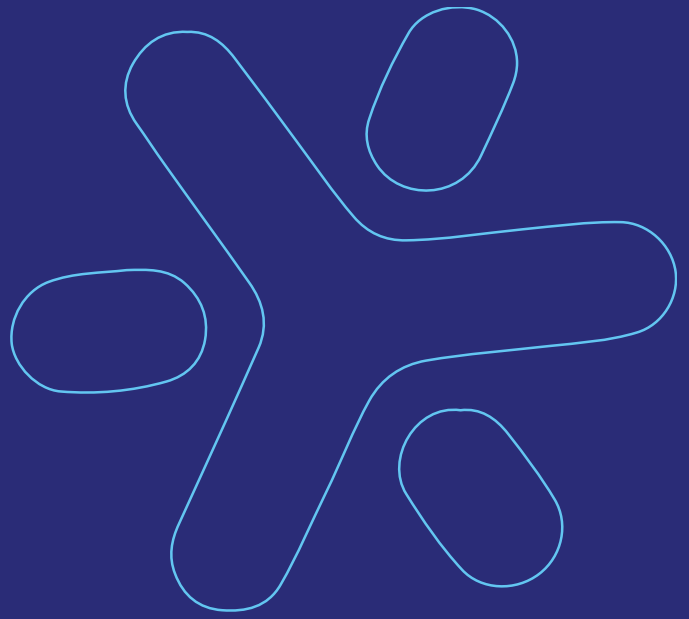

brainchip™

Unlocking the Future of AI.
This is our Mission.

OTC 2021 International Virtual Investor Conference

Peter AJ van der Made
Founder and CEO

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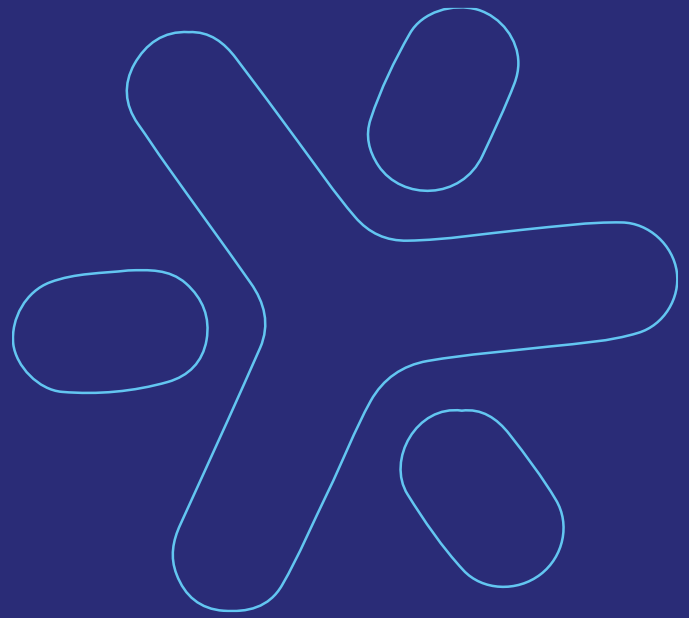

Video Introduction

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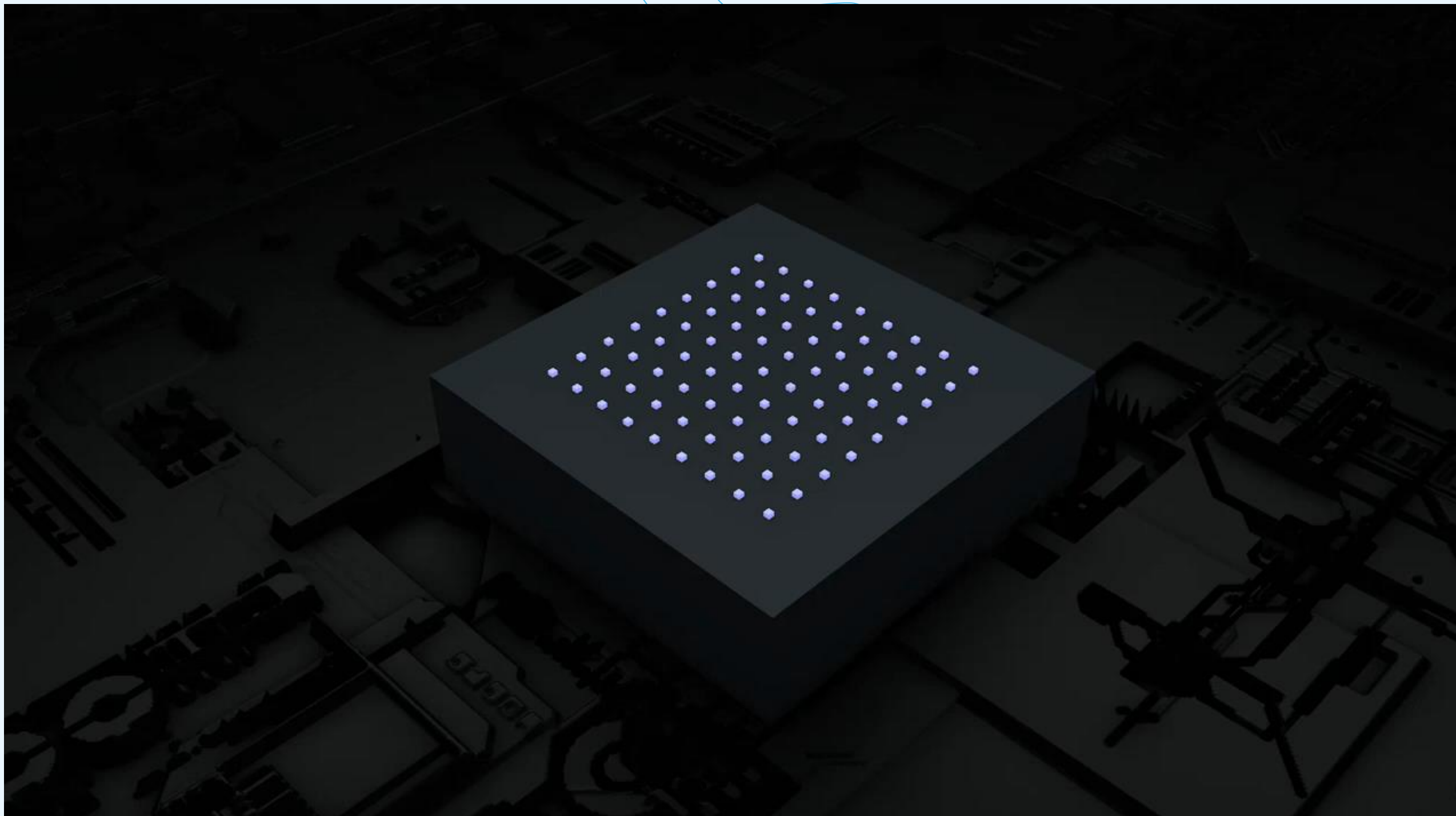


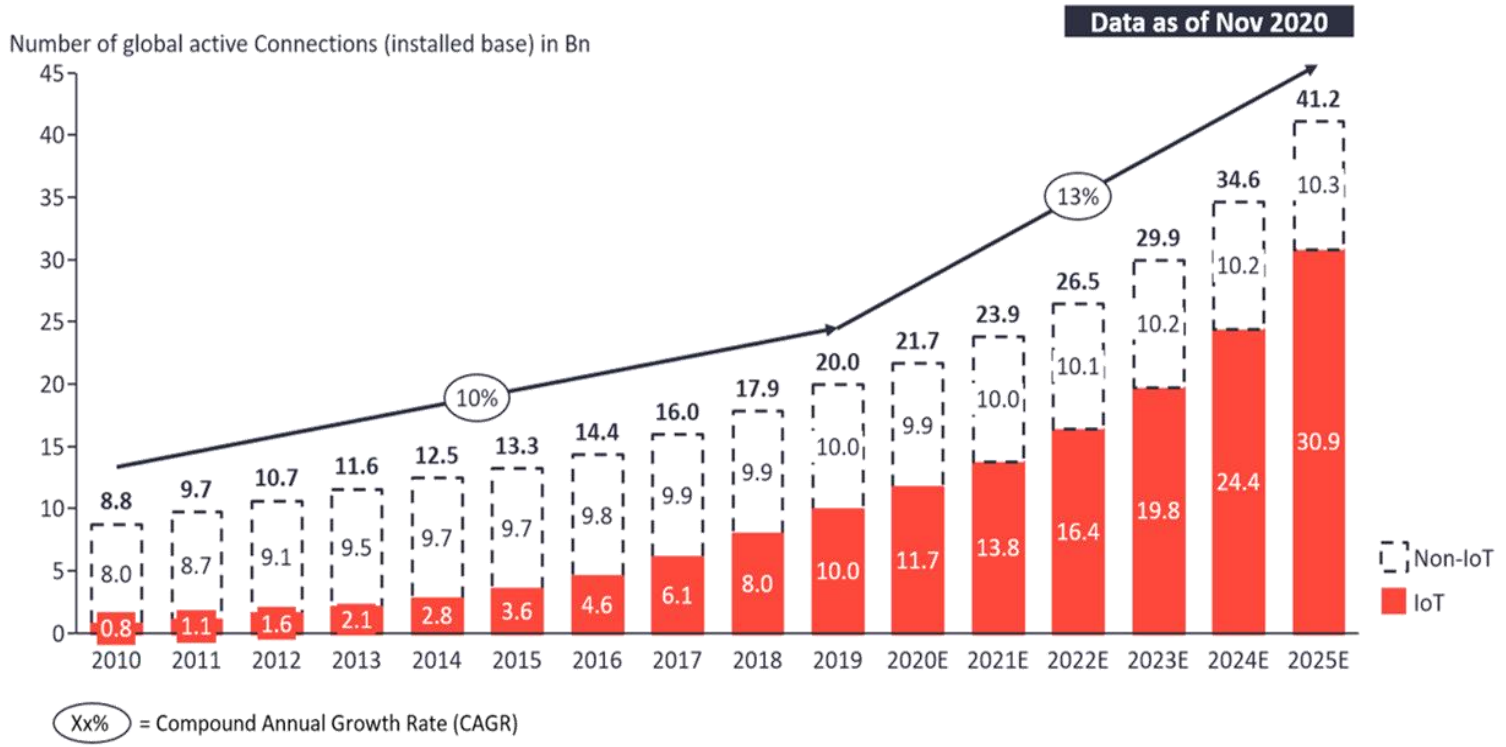
The IoT Problem

IOT ANALYTICS

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

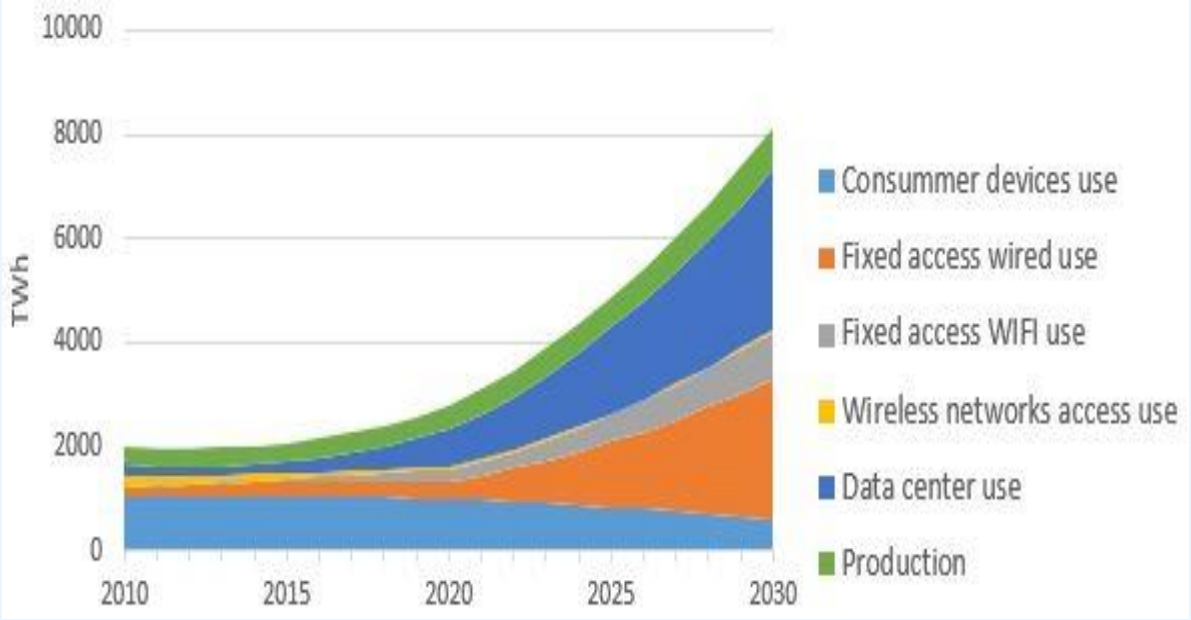
Power consumption of Data Centers

Without decentralization of AI processing;

- Power used by data centers is projected to increase to up to 20% of world production capacity, now at over 400 TWh.
- With over 40 billion IoT and internet users the internet bandwidth is projected to introduce serious delays

With distributed processing;

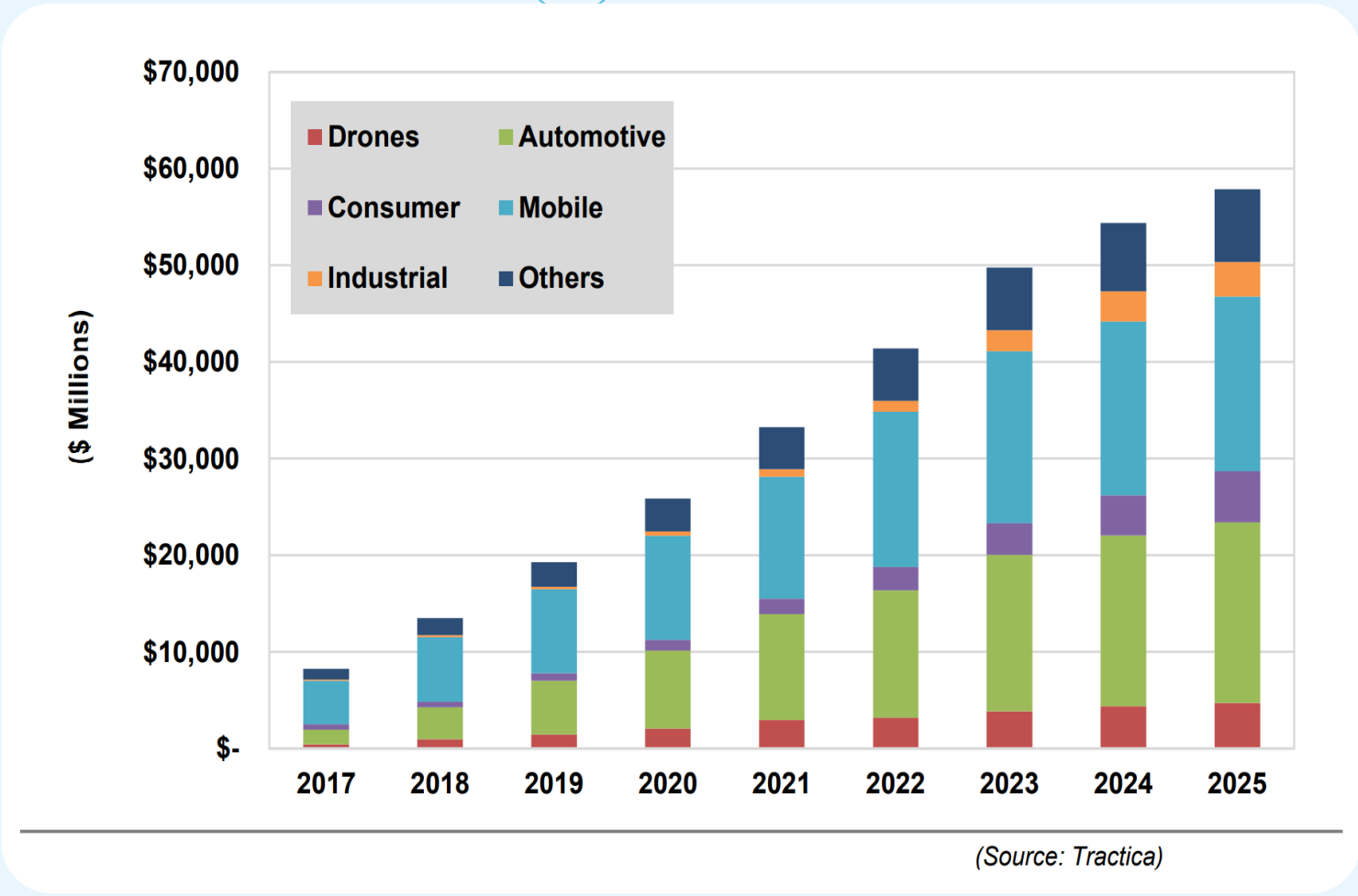
- Akida is ~97% up to 99% more energy efficient than processing the same task on a central data center
- Because all processing runs on the device next to the sensor, internet bandwidth usage is limited to meta-data.
- Lower latency, lower power consumption



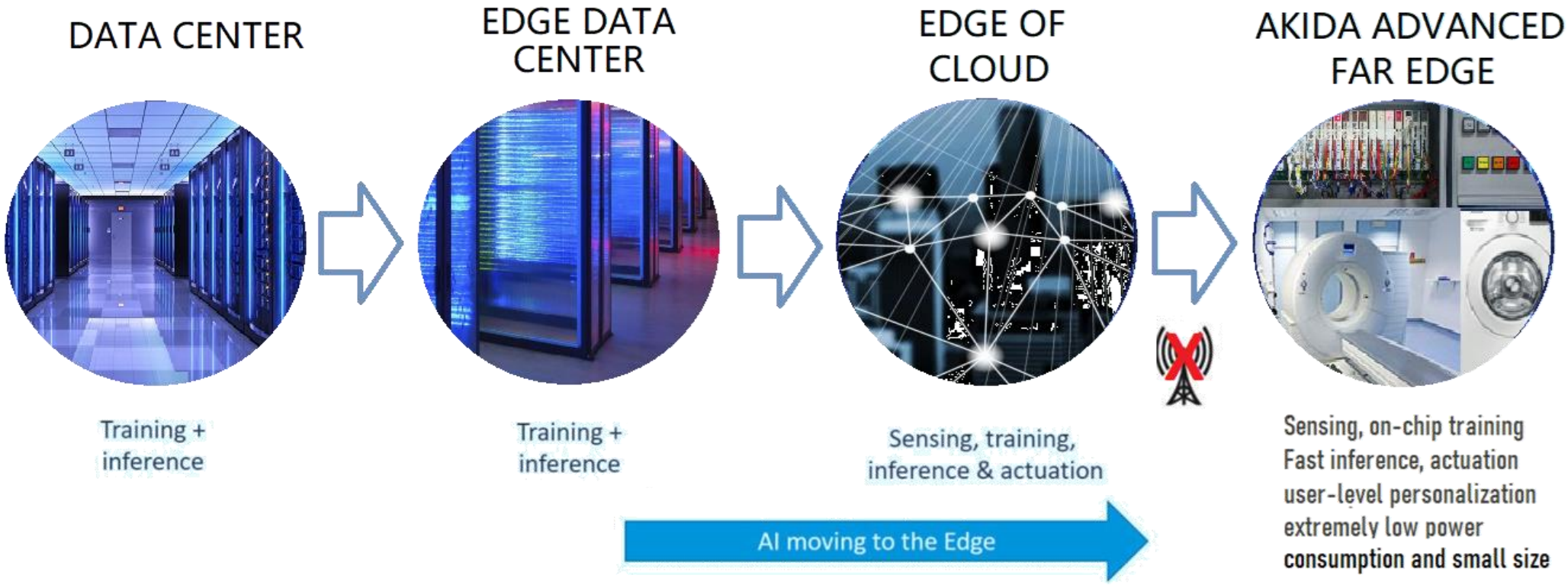
World Electrical Energy Usage, projected from 2010 to 2030

Source: https://www.enerdata.net/publications/executive-briefing/between-10-and-20-electricity-consumption-ict-sector-2030.html

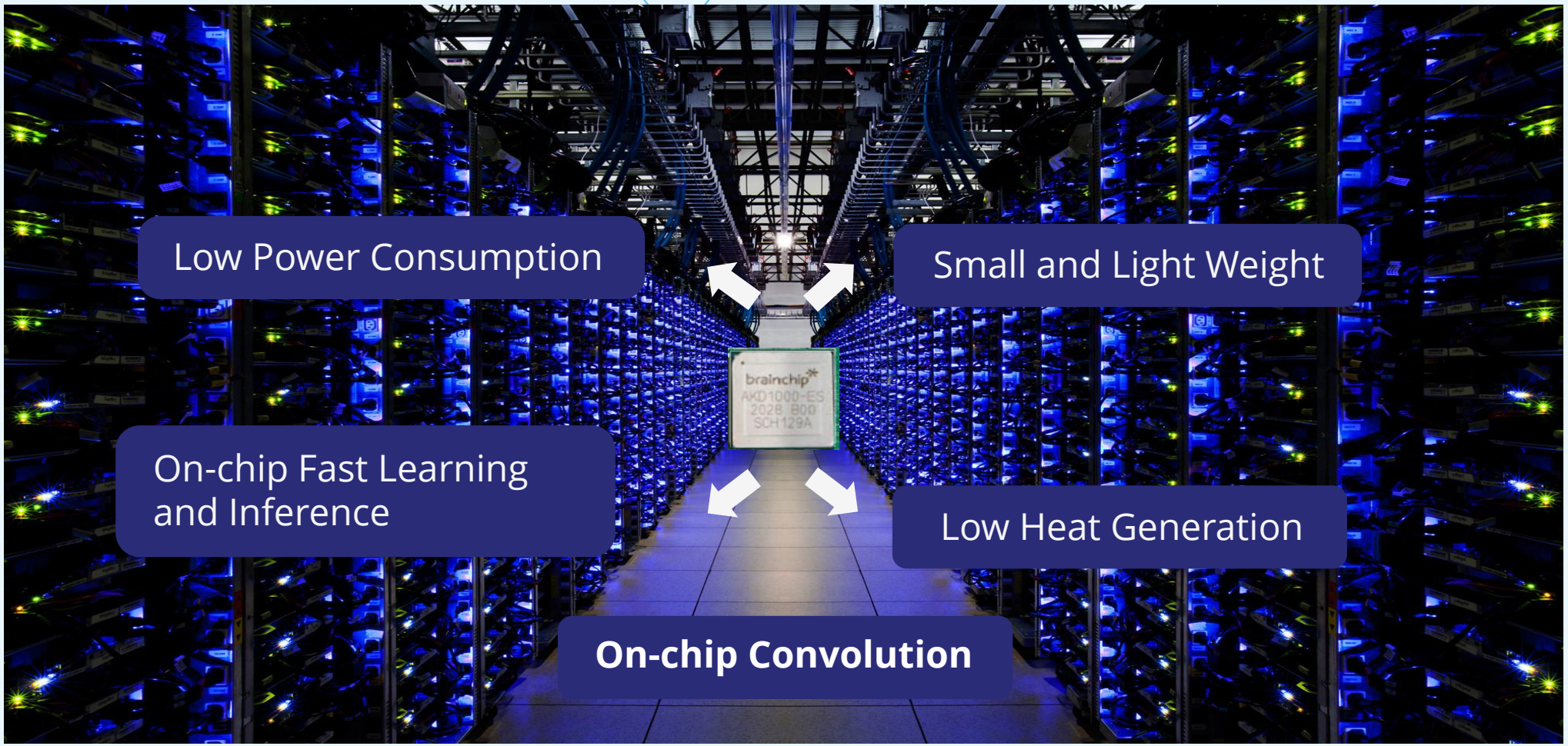
Edge-Based Devices requiring AI - $60B by 2025



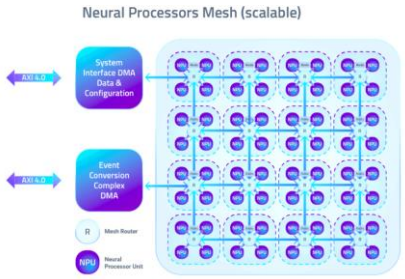
AI Moving to the Edge



Key Differentiators



Akida:
Path to Revenue

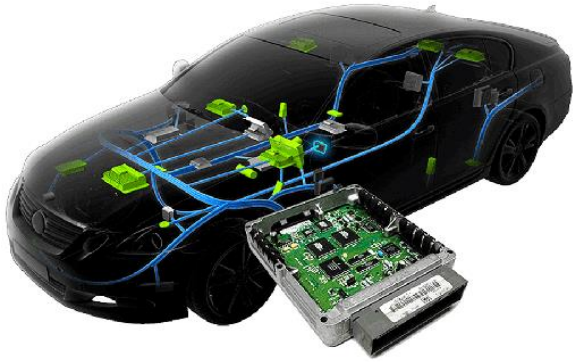


IP

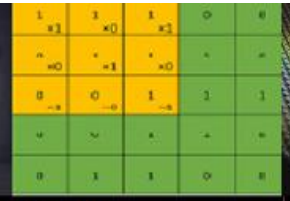
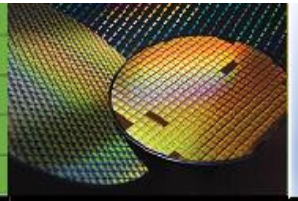
CHIP

MODULES

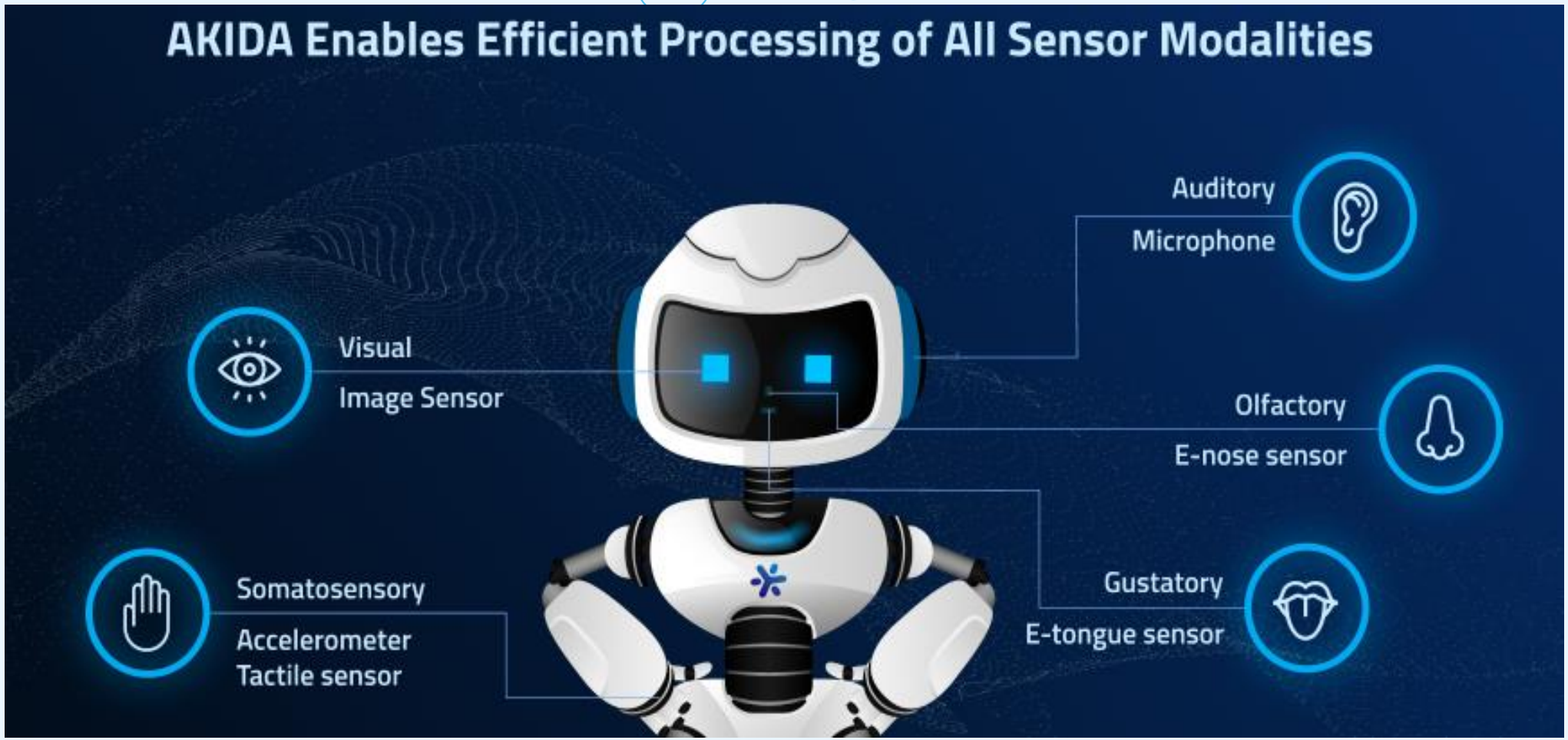
USB

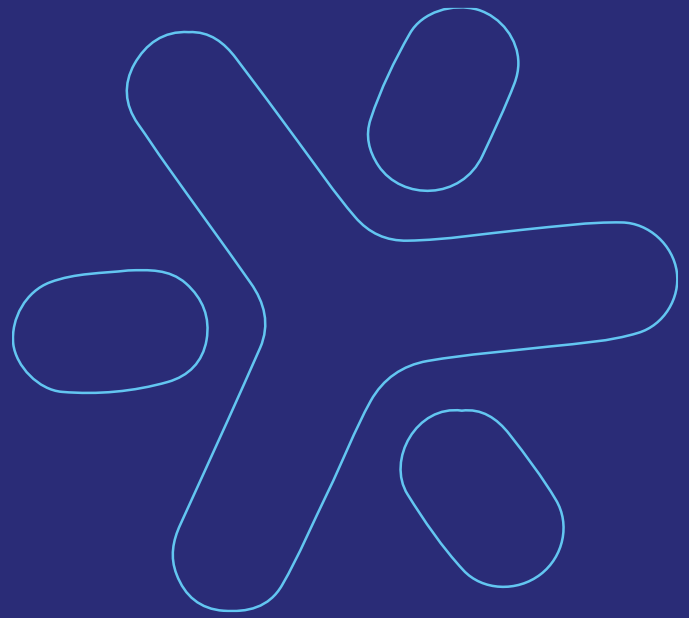


Competitive Analysis

	 Micro- to Mw Power use	 Real-time on-chip learning & training	 TensorFlow Compatible	 Stand-alone possible (No CPU required)	 On-chip Convolution	 Available as IP	 Green Technology
BrainChip Akida AKD1000	✓	✓	✓	✓	✓	✓	✓
IBM TrueNorth	✓	NONE	LEARN COREL	NO	NO	NO	✓
Intel Loihi	✓	PROGRAM	LEARN NEF	✓copack	NO	NO	✓
Google Coral TPU	2-5W	Math chip	✓	NO	NO	NO	NO
DLAs (Nvidia, others)	>5-10W	Math chip	✓	NO	NO	NO	NO

The BrainChip Advantage





Thank you

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