

OTC 2021 International Virtual Investor Conference

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Founder and CEO



Unlocking the Future of AI.
This is our Mission.

Disclaimer, forward looking statements



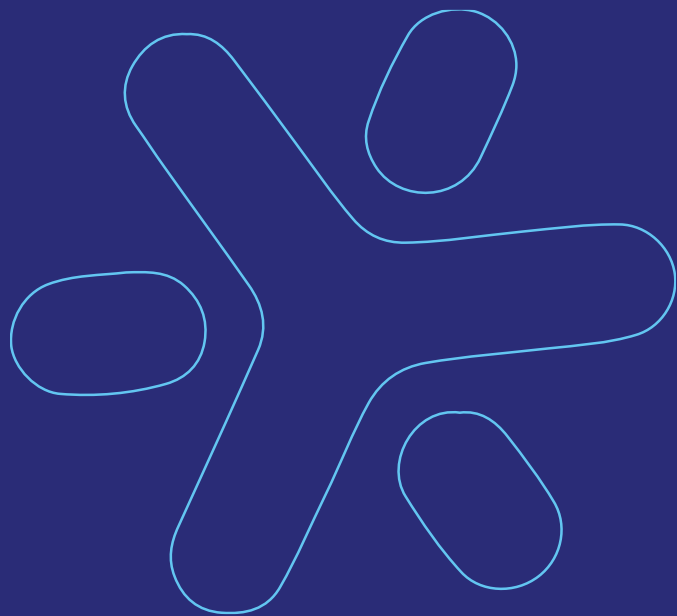
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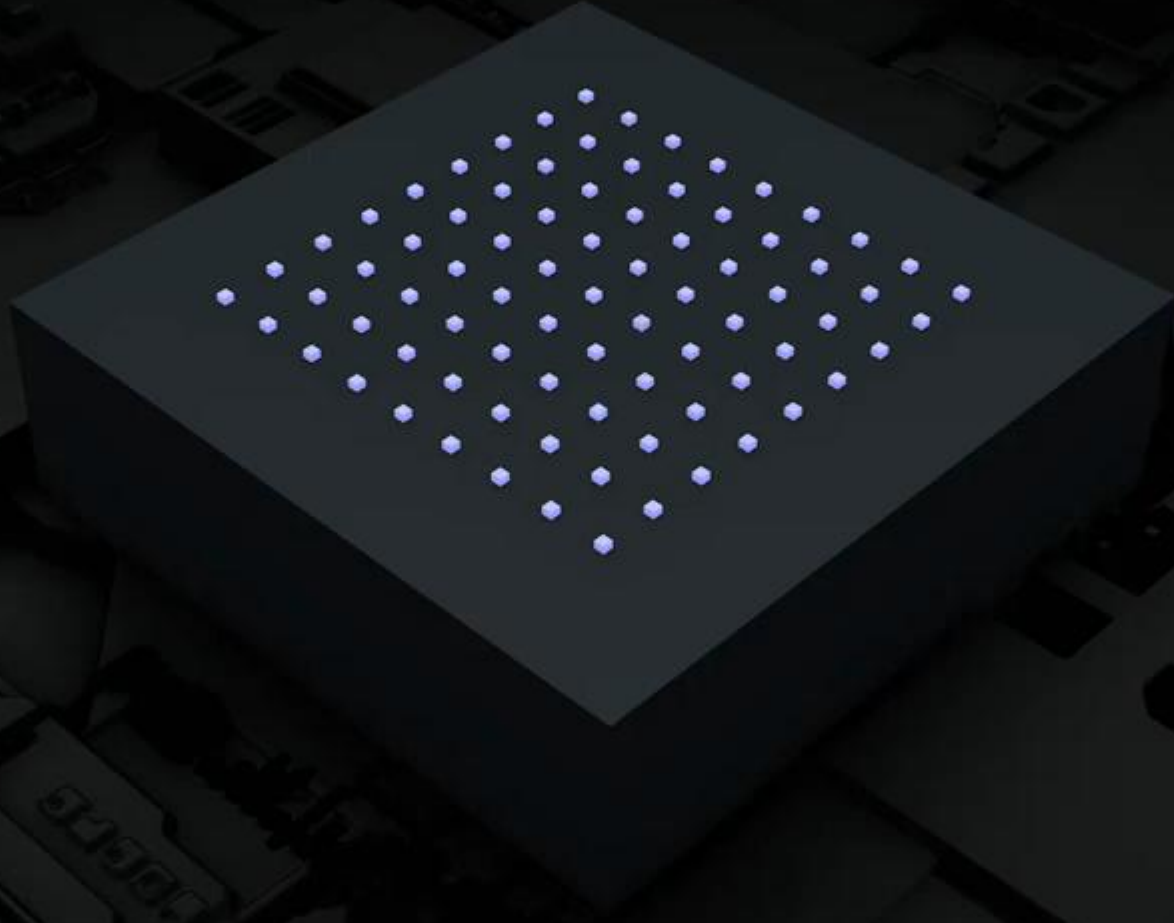
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Video Introduction

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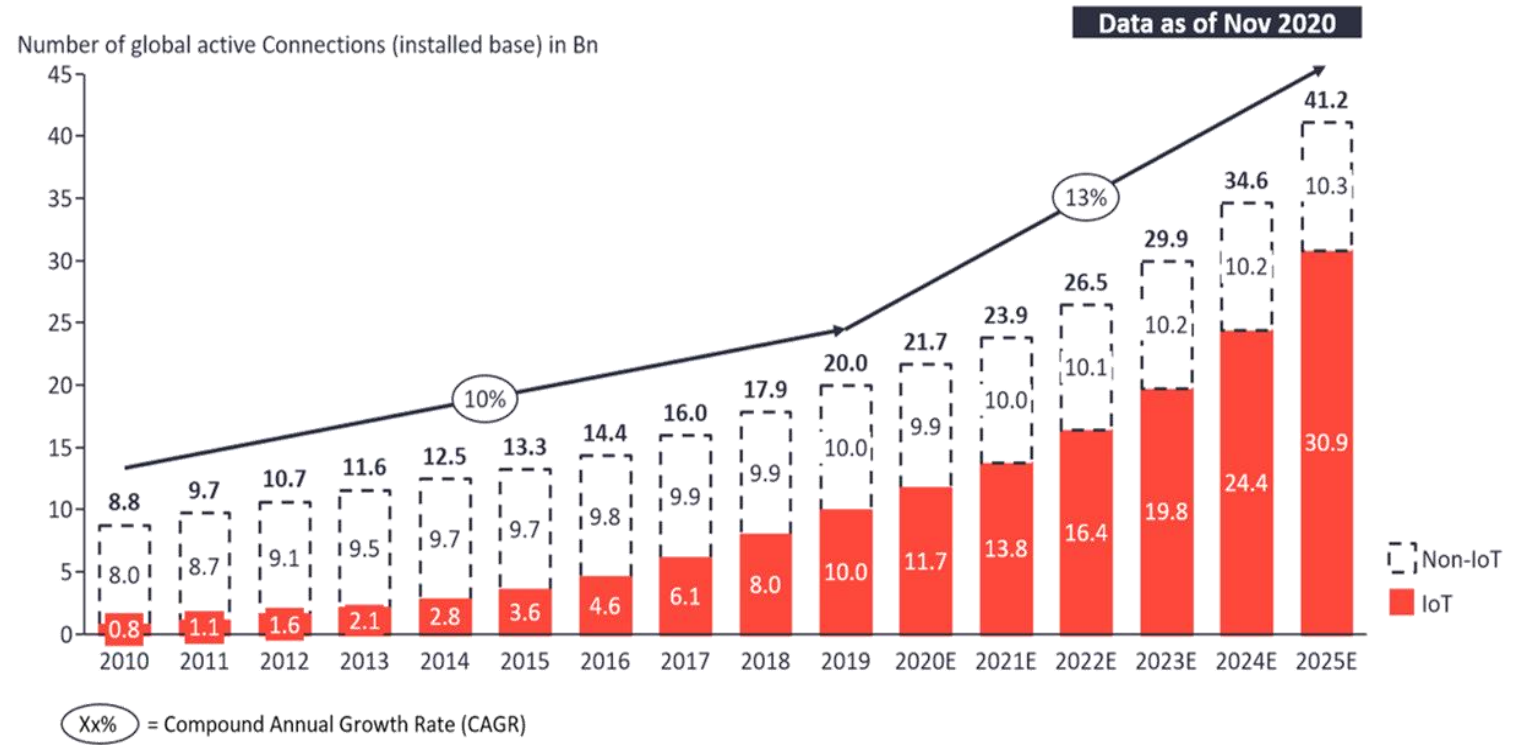
The IoT Problem



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

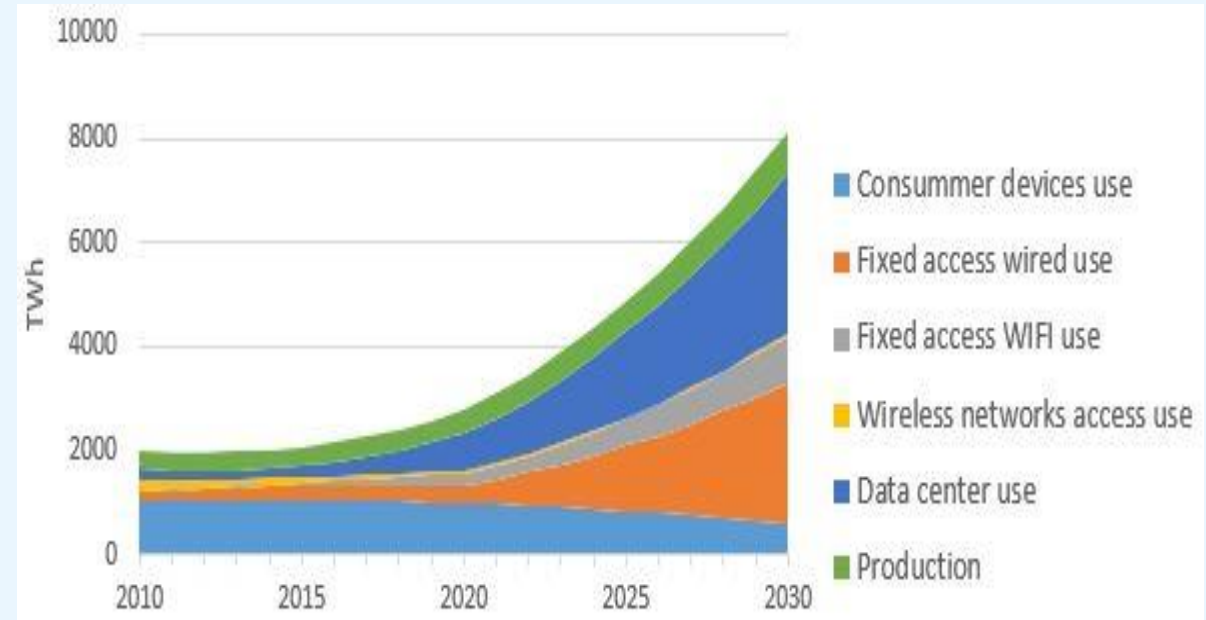
Power consumption of Data Centers

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

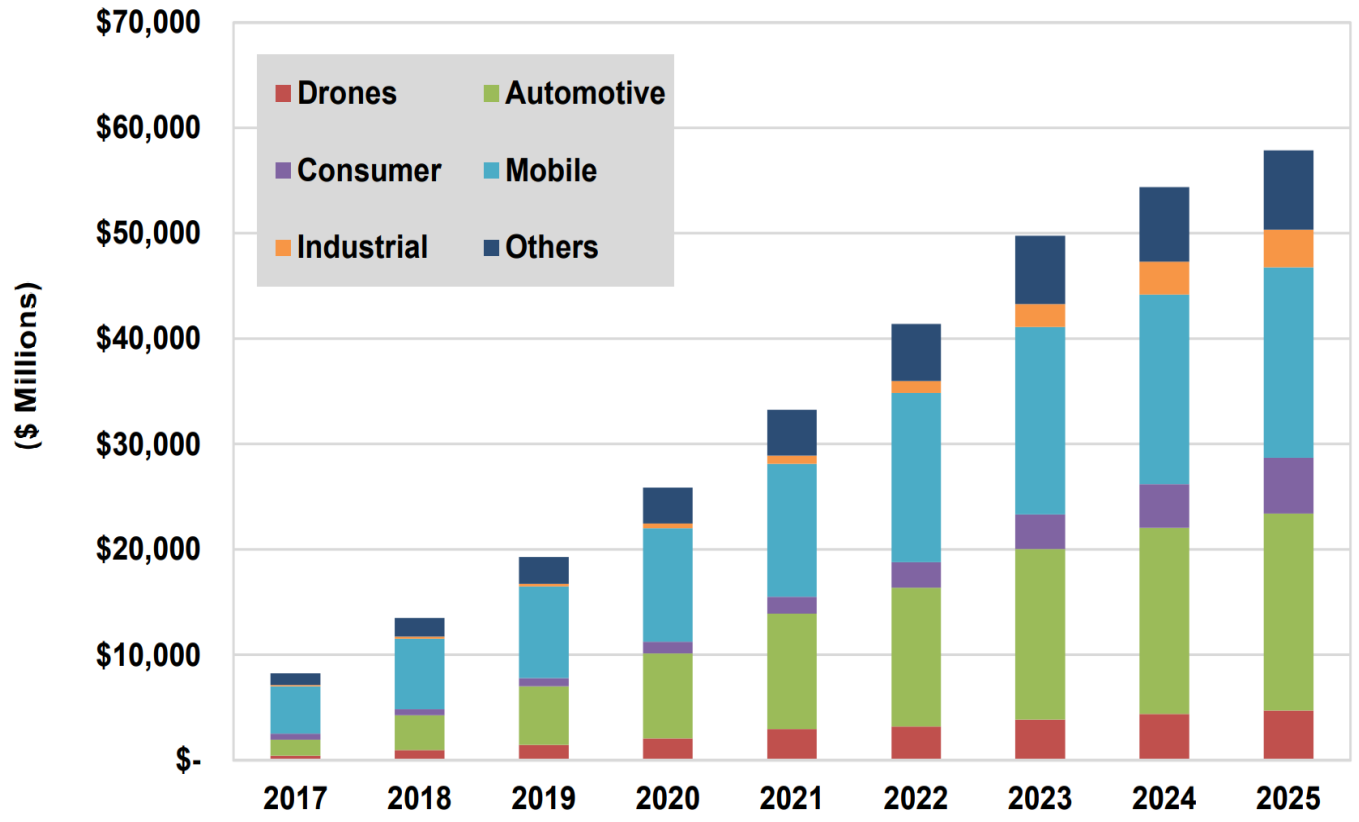
With distributed processing;

- 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

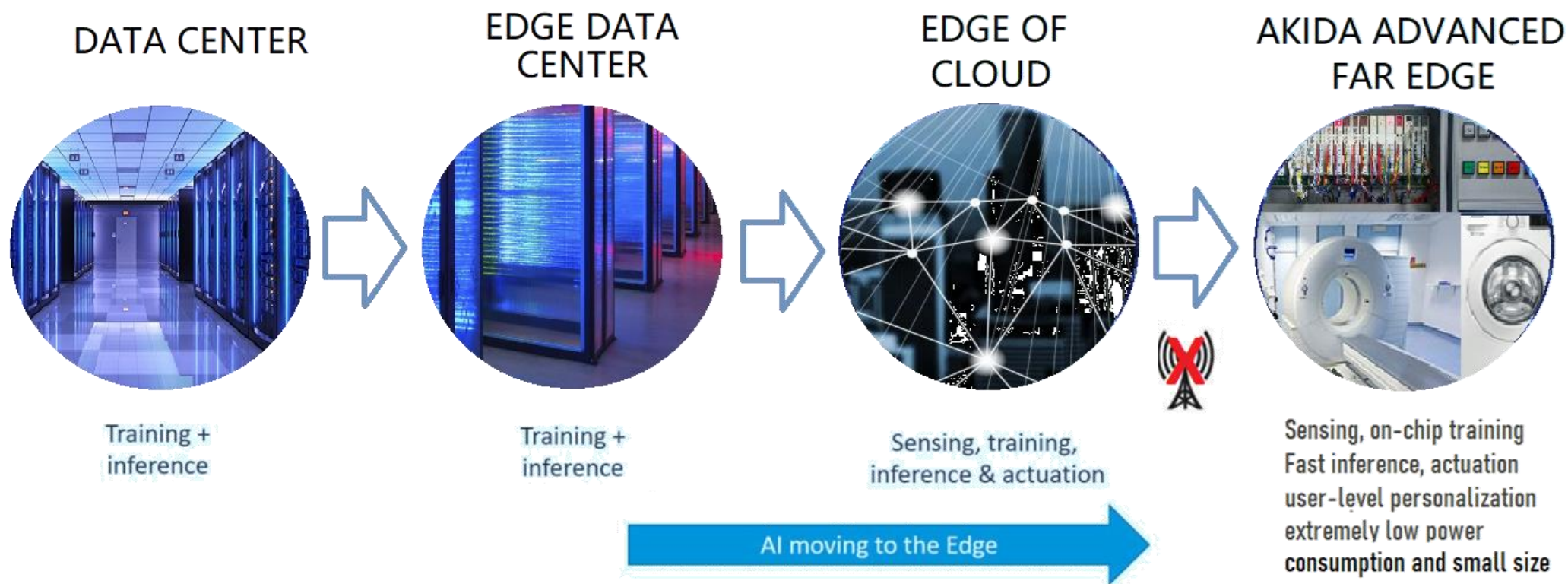
Edge-Based **Devices** requiring AI - \$60B by 2025



(Source: Tractica)

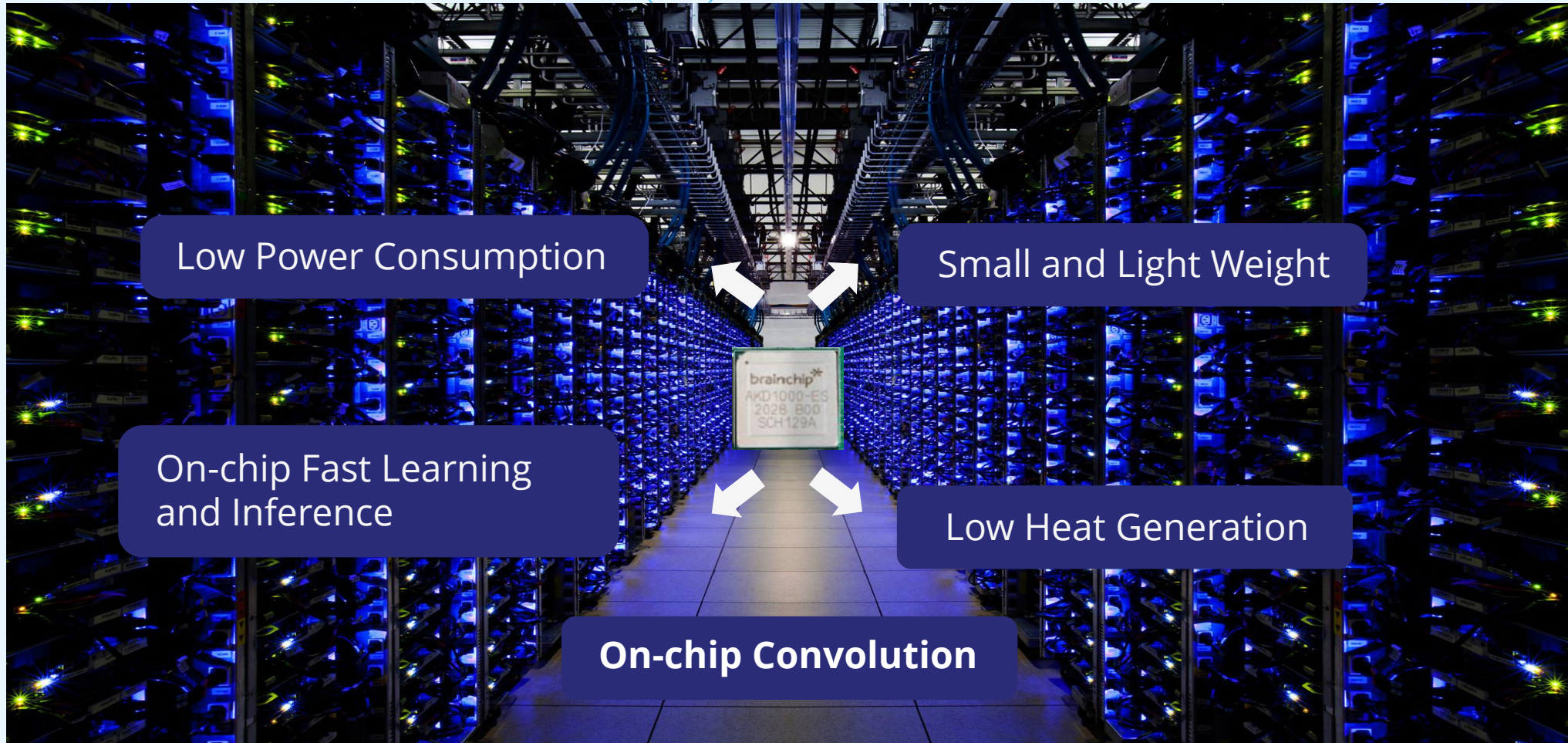
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AI Moving to the **Edge**



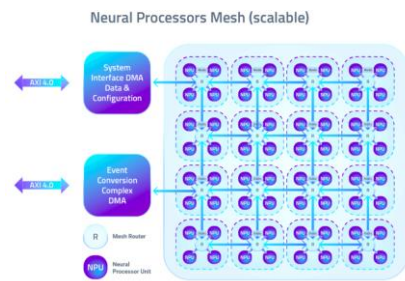
Key Differentiators

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Akida: Path to Revenue

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IP



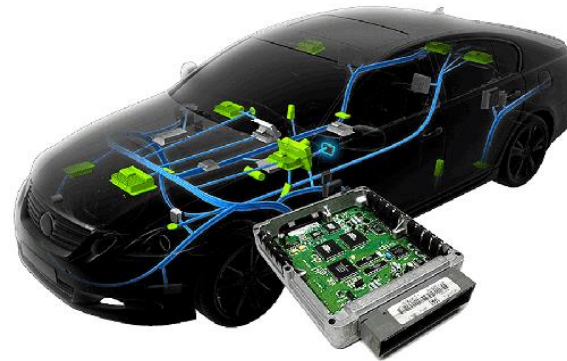
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MODULES

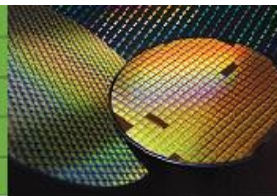
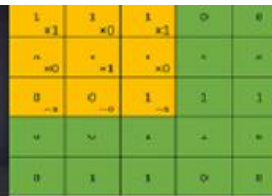


USB



Competitive Analysis

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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



NO

NO



Google Coral TPU

2-5W

Math chip



NO

NO

NO

NO

DLAs (Nvidia, others)

>5-10W

Math chip



NO

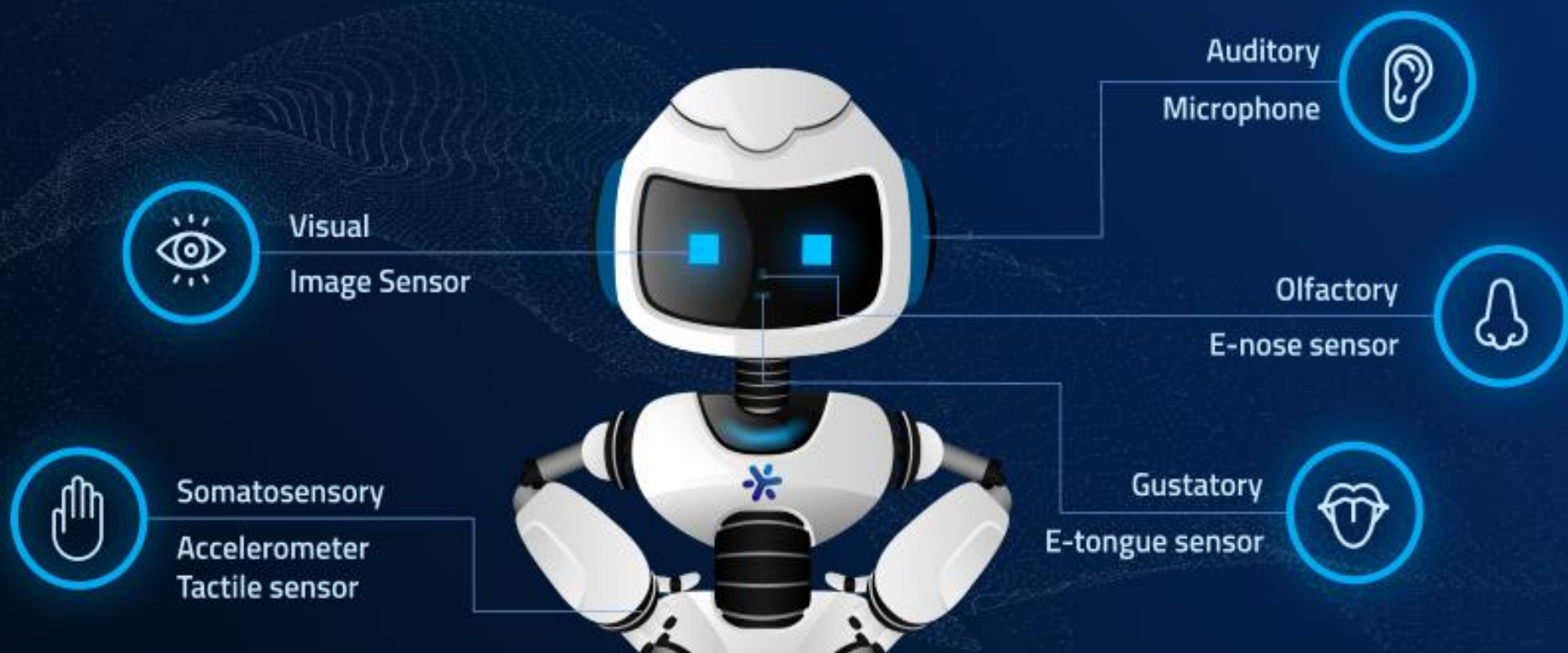
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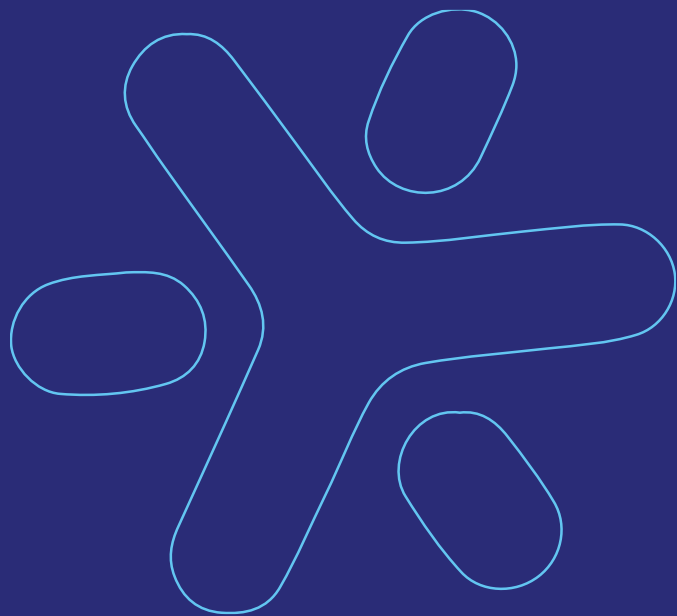
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The BrainChip Advantage

AKIDA Enables Efficient Processing of All Sensor Modalities



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Thank you

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