Hi, we're brainchip

rainchip

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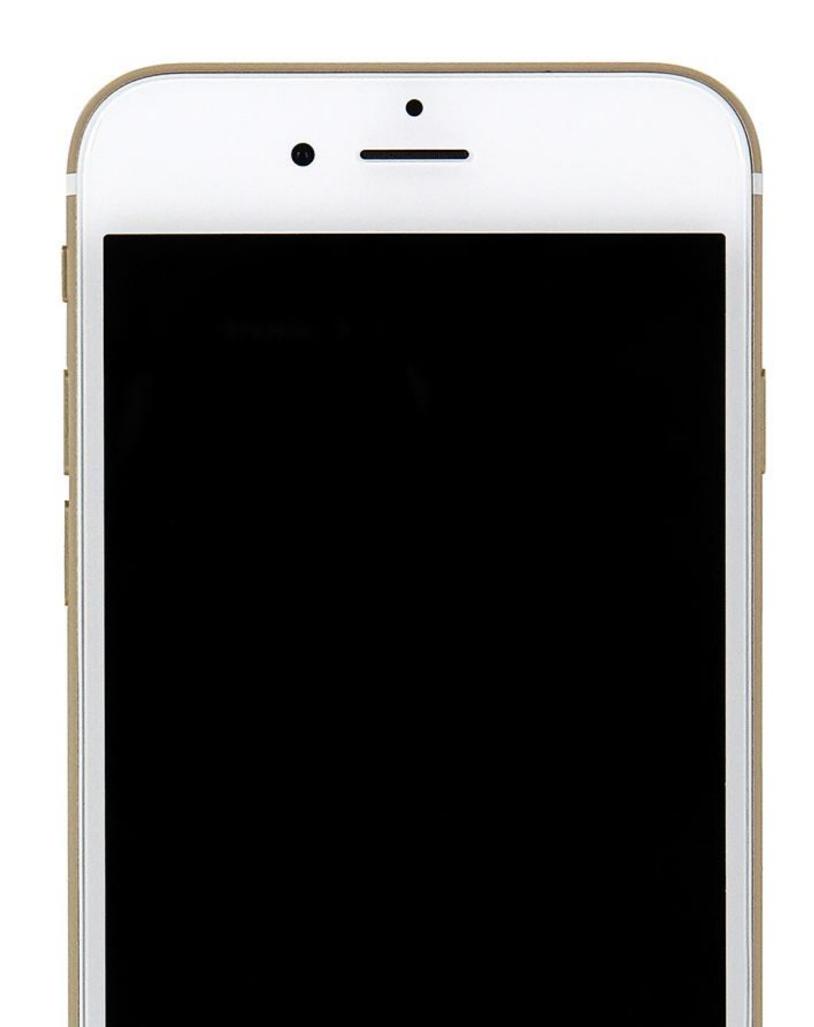
You're about to see a brand new technology.

There's a lot to absorb, so get comfy.



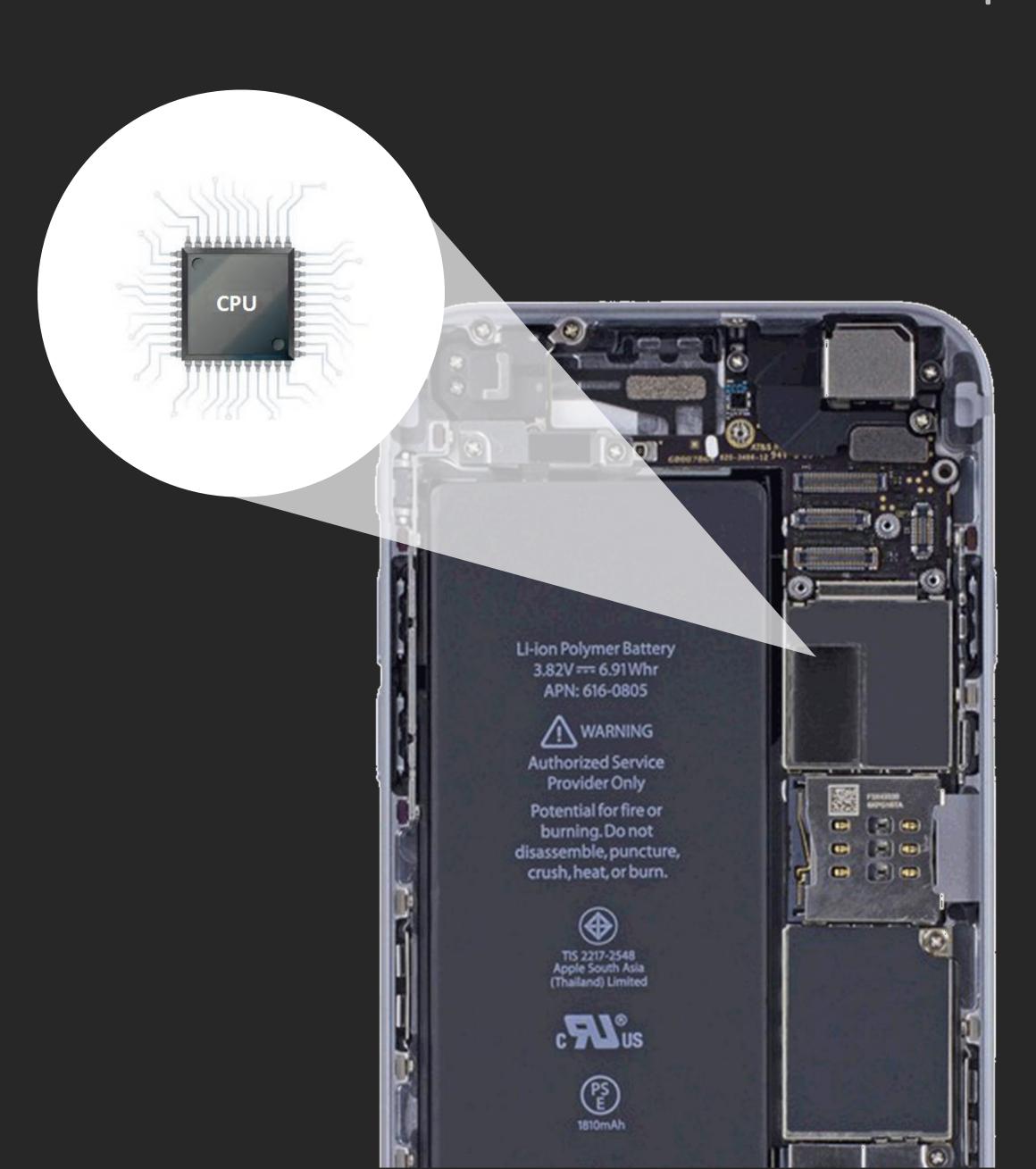
Nearly everyone has a smartphone.

But what makes a smartphone smart?



Its "brain".

However, phones are programmed to be smart, using hardware and software.





We have a technology that is truly smart.

And it's orders of magnitude faster than current technologies



It's called Spiking Neuron Adaptive Processor technology.

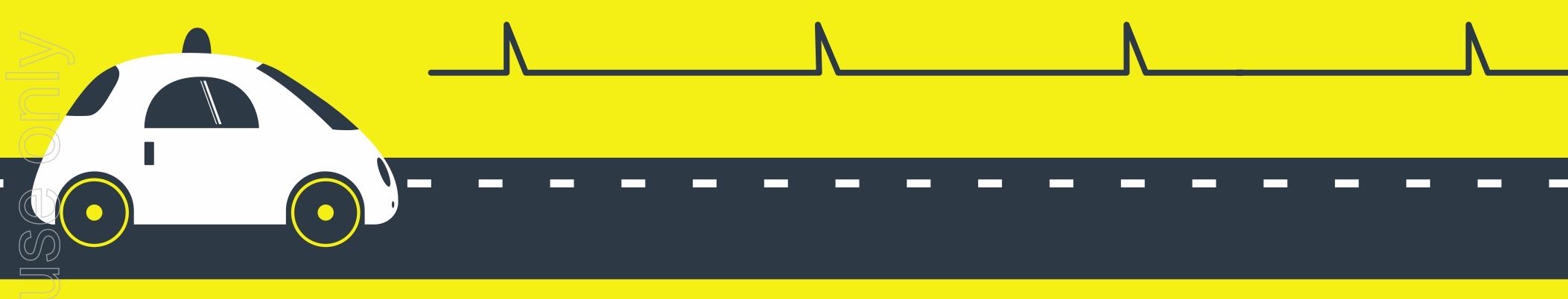
And it has a handy acronym: SNAP.

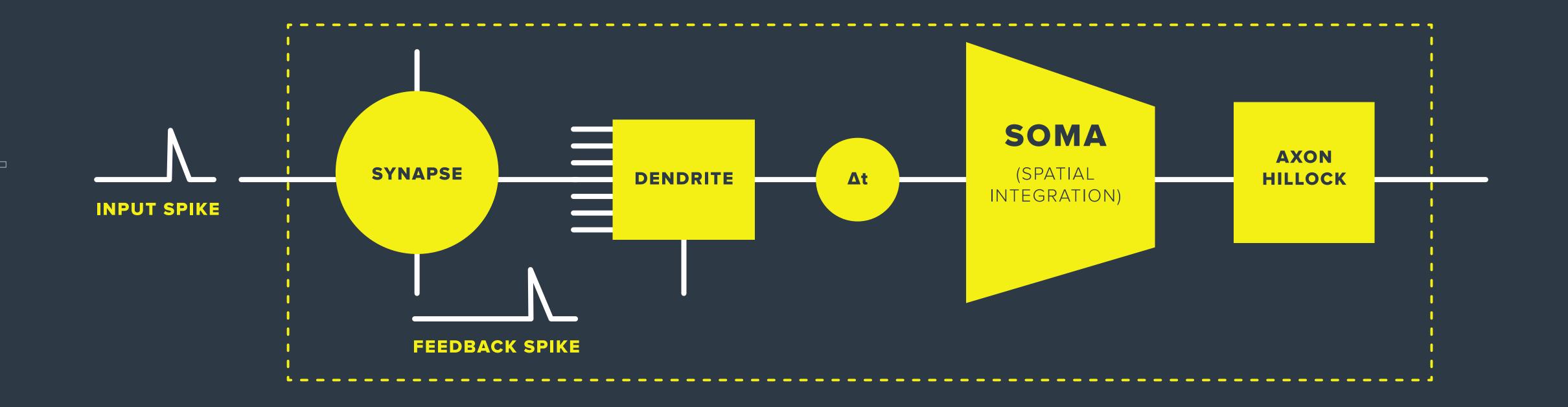


We've been developing SNAP for over 10 years and its capabilities go far beyond speed improvements.

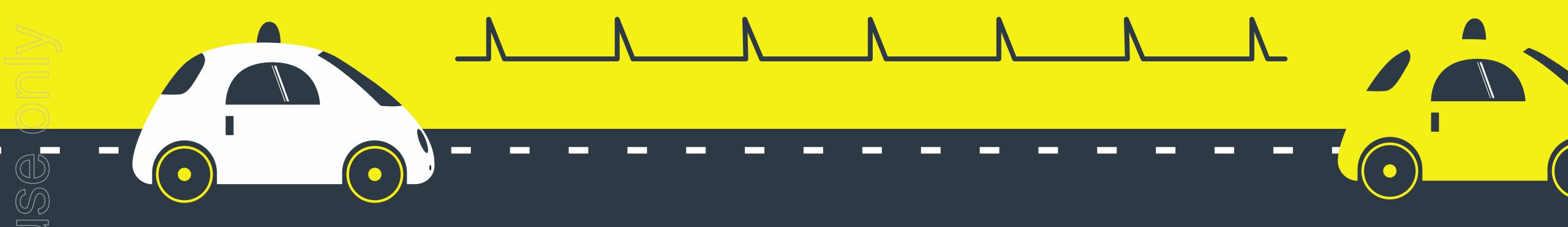
So how does it work?

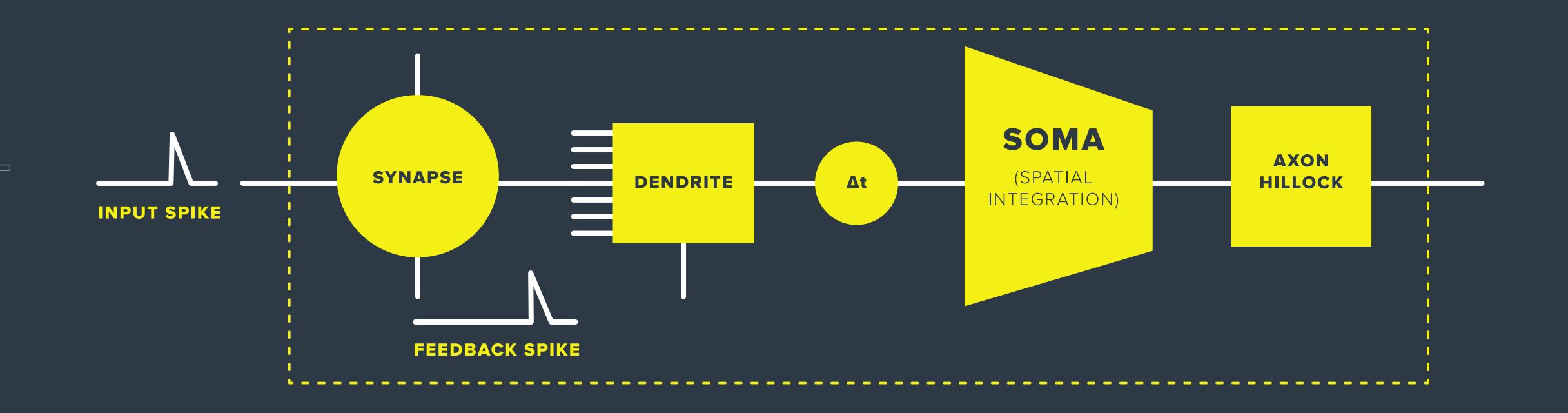


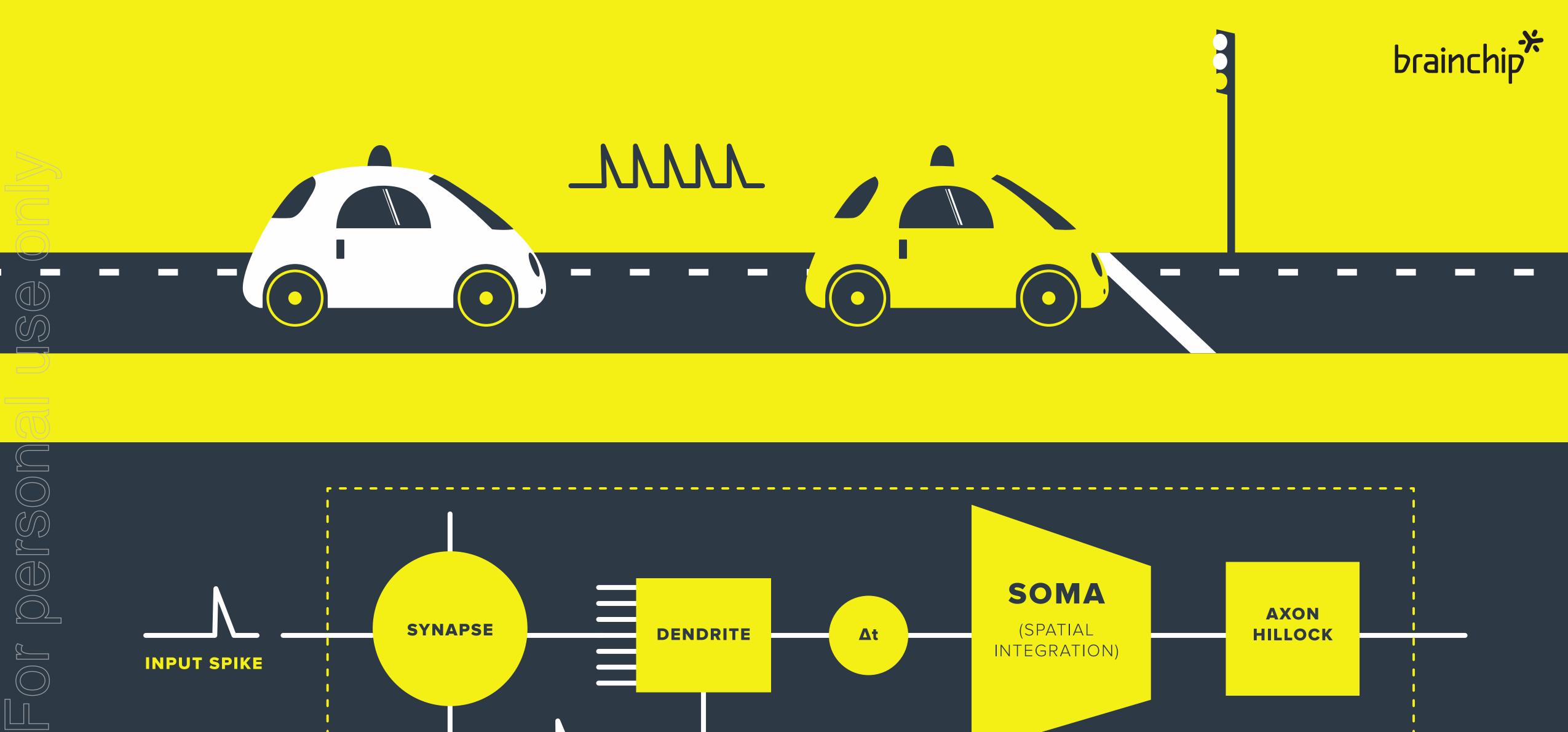


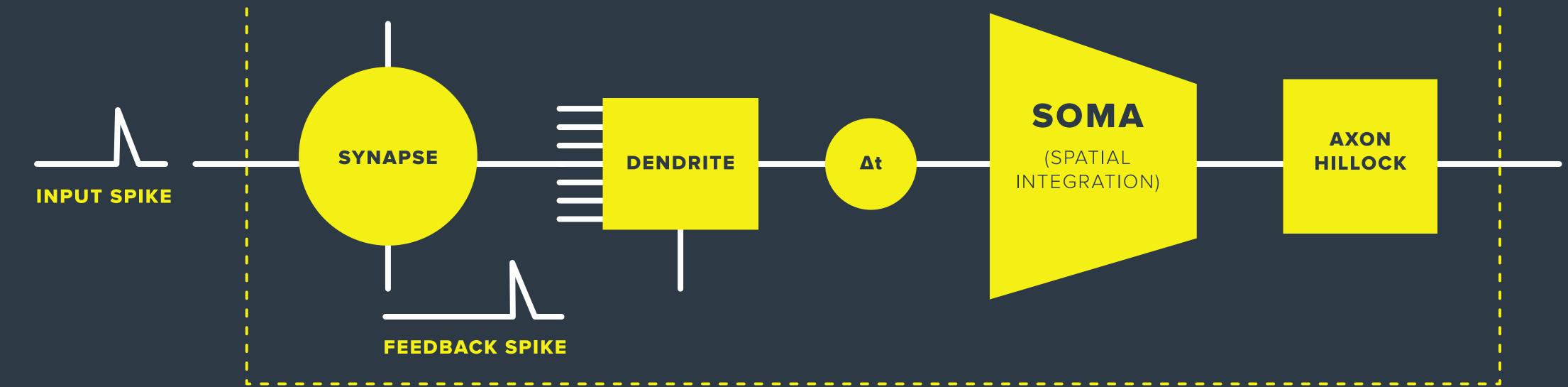


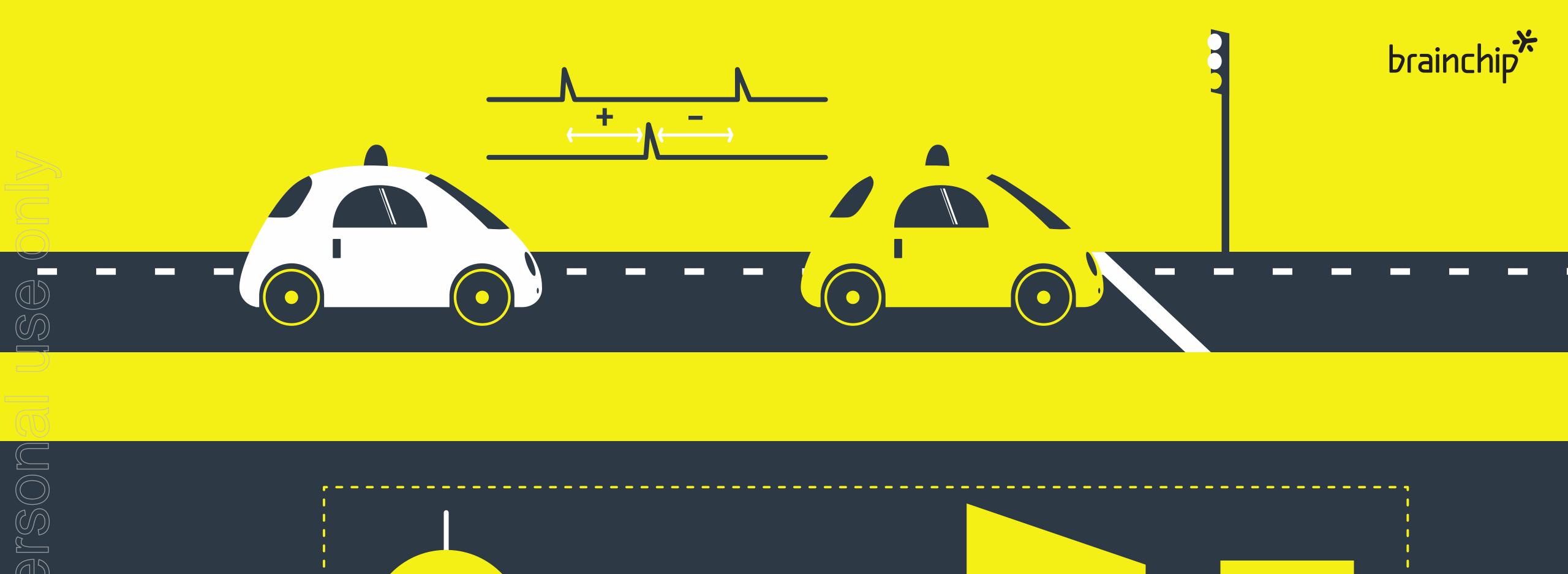


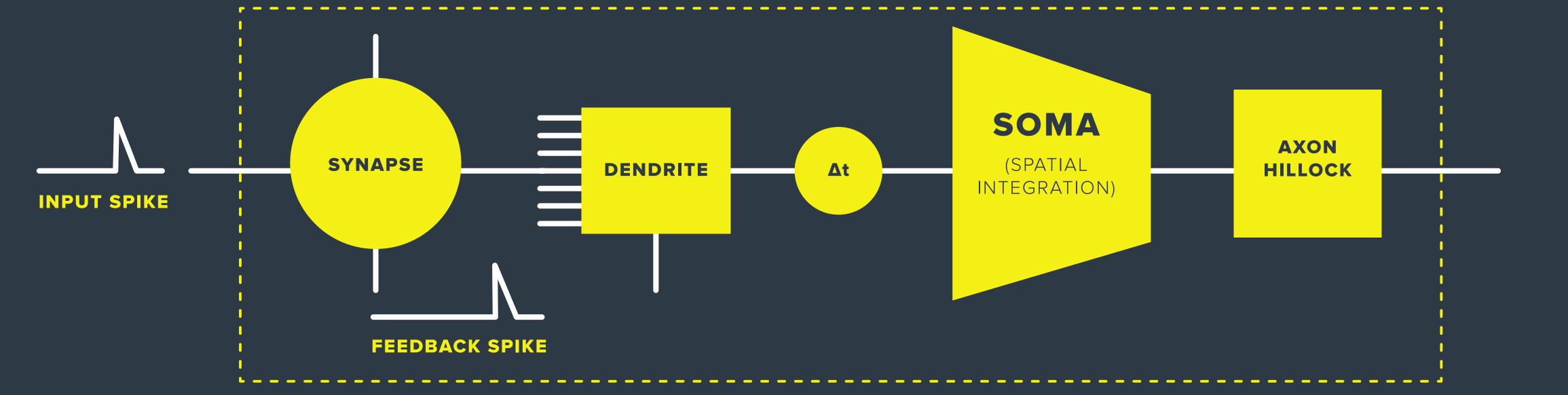


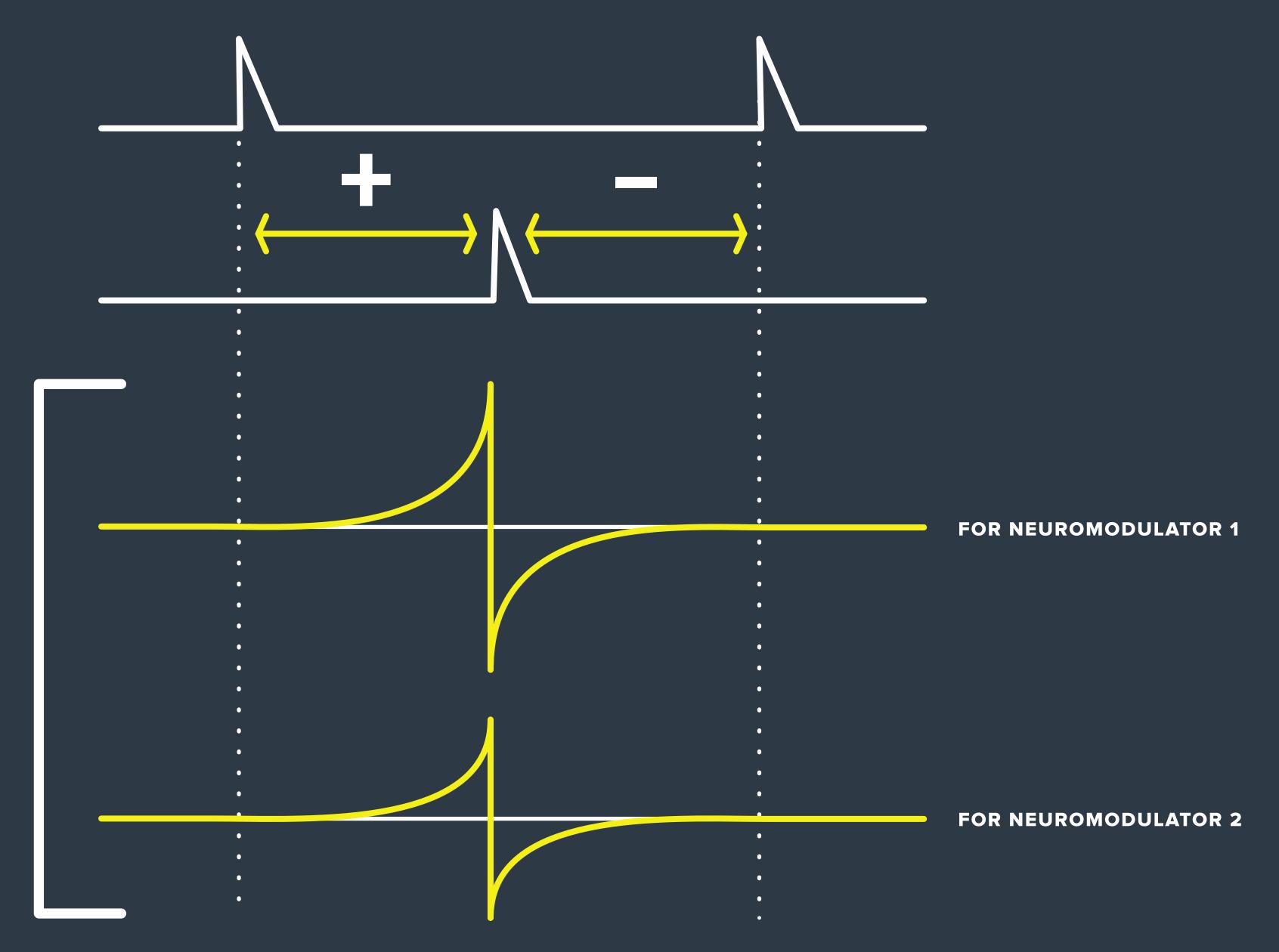












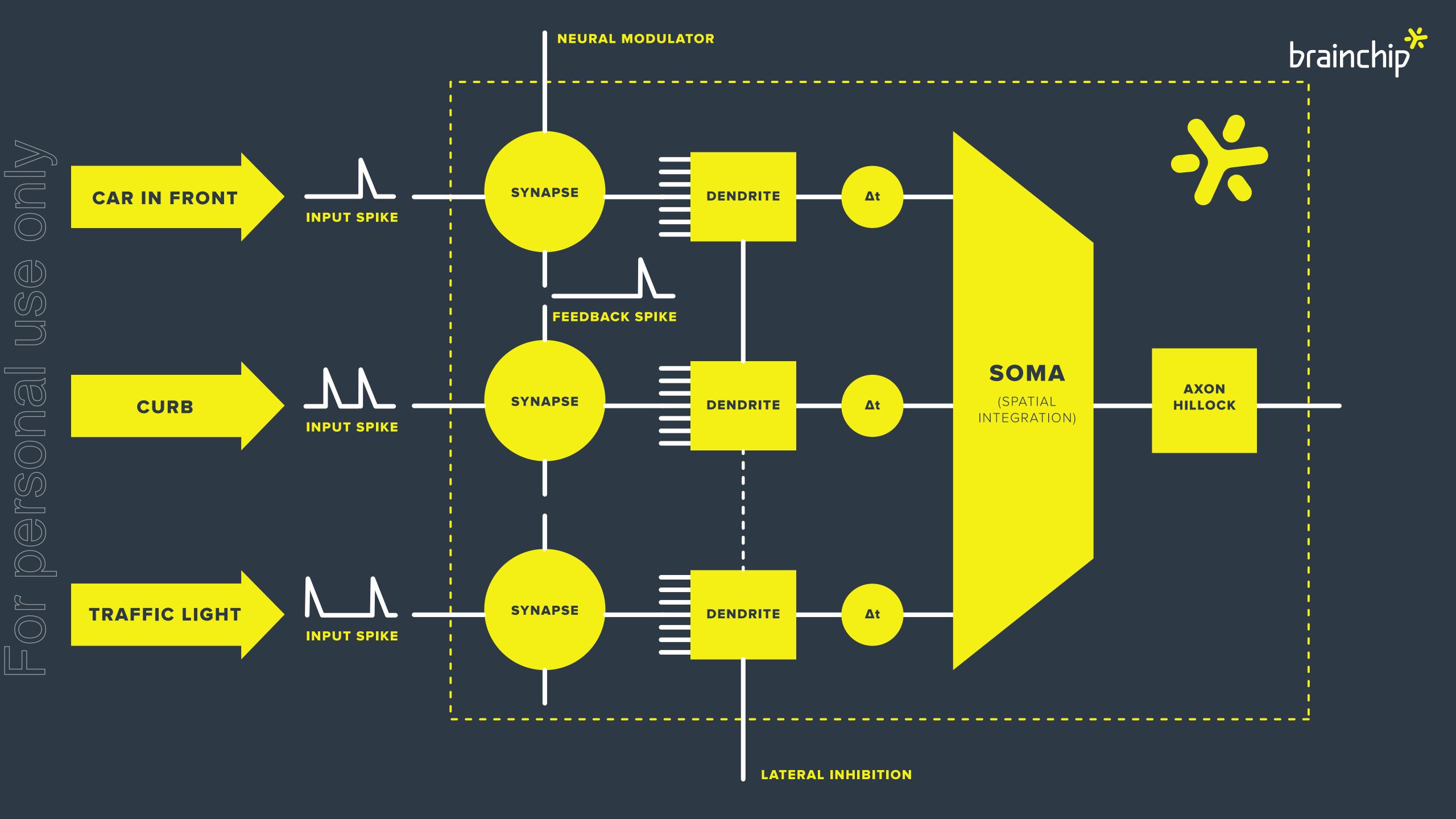
AUTONOMOUS LEARNING

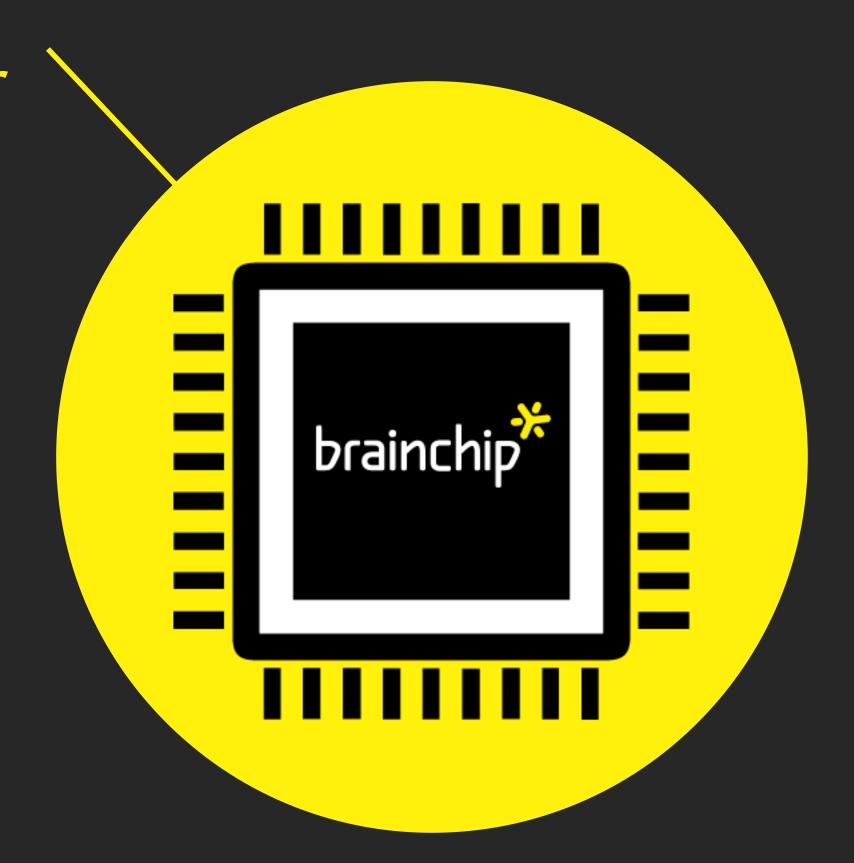
CURVE



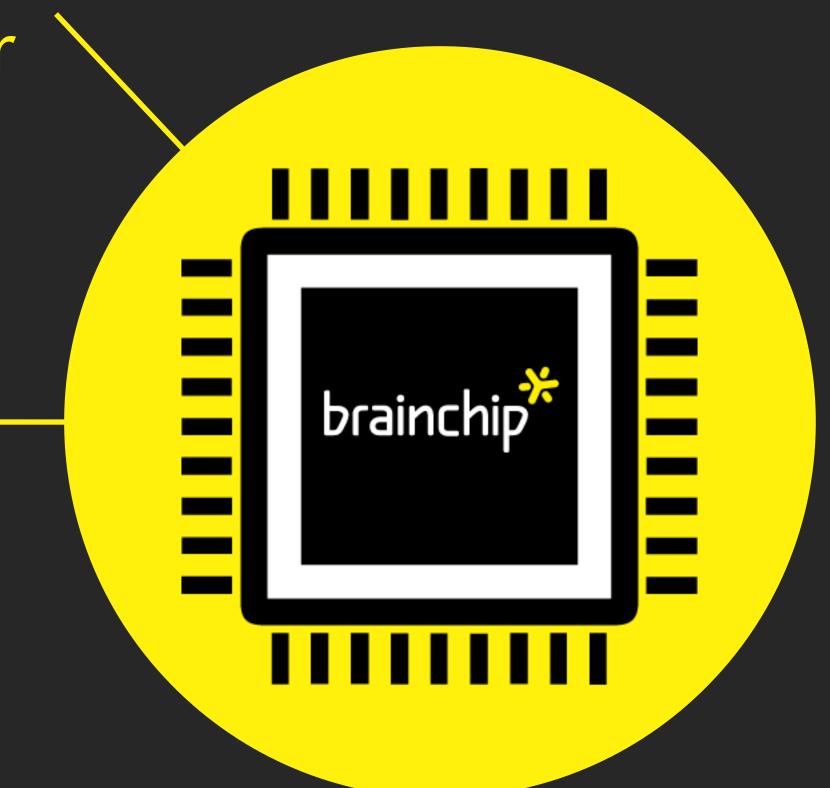
THIS IS WHAT CHARACTERISES THE PROCESS OF LEARNING:

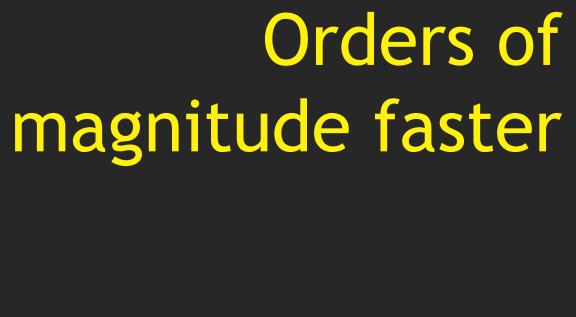
SPIKE TIMING DEPENDANT PLASTICITY (STDP)





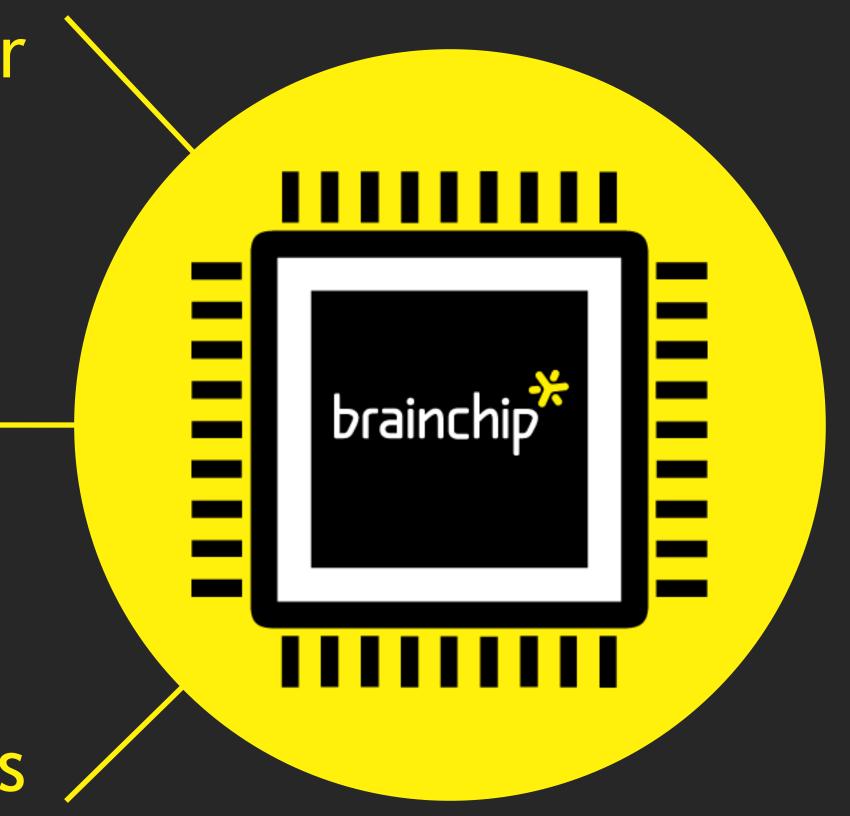
1/1000th power consumption





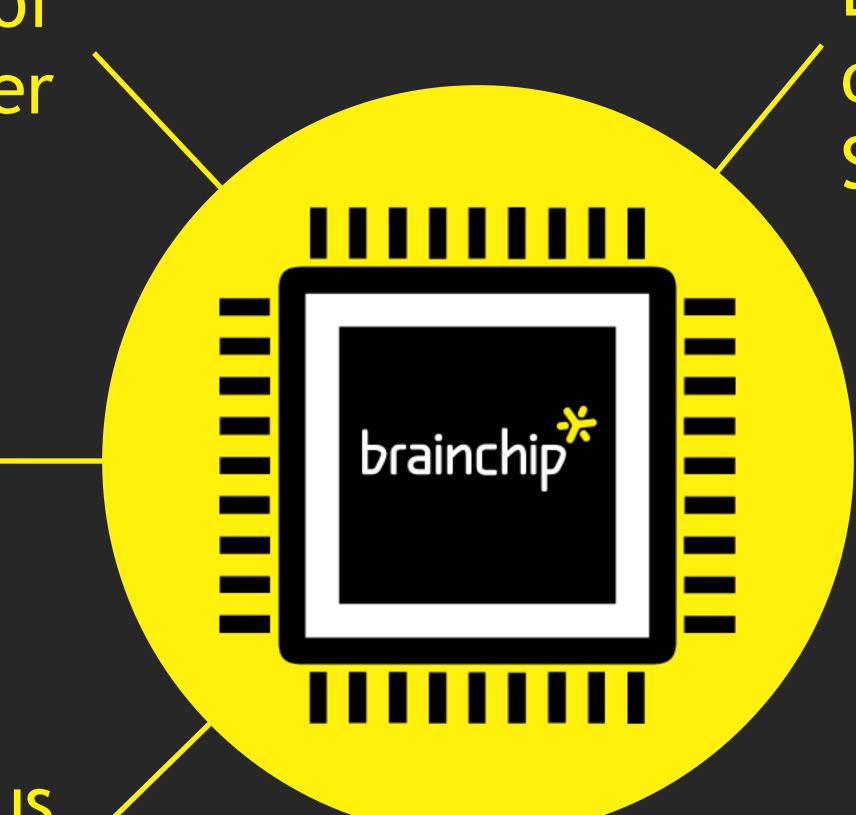
1/1000th power consumption

Autonomous learning



1/1000th power consumption

Autonomous learning



Revolutionary
Digital Hardware
only design, no
Software

1/1000th power consumption

Autonomous learning

brainchip

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only design, no
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Massive parallel processing

1/1000th power consumption

Autonomous learning

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Revolutionary
Digital Hardware
only design, no
Software

Massive parallel processing

Standalone or co-processor configurations



SNAP is true Artificial Intelligence that can learn and operate at speeds close to the human brain.



How SNAP compares to current Al.



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How SNAP compares to current Al.

Software Neural Networks

• High latency with software overhang





How SNAP compares to current Al.

- High latency with software overhang
- Designed for very specific tasks





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SNAP

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- A small network of microchips
- Processes and stores information onboard



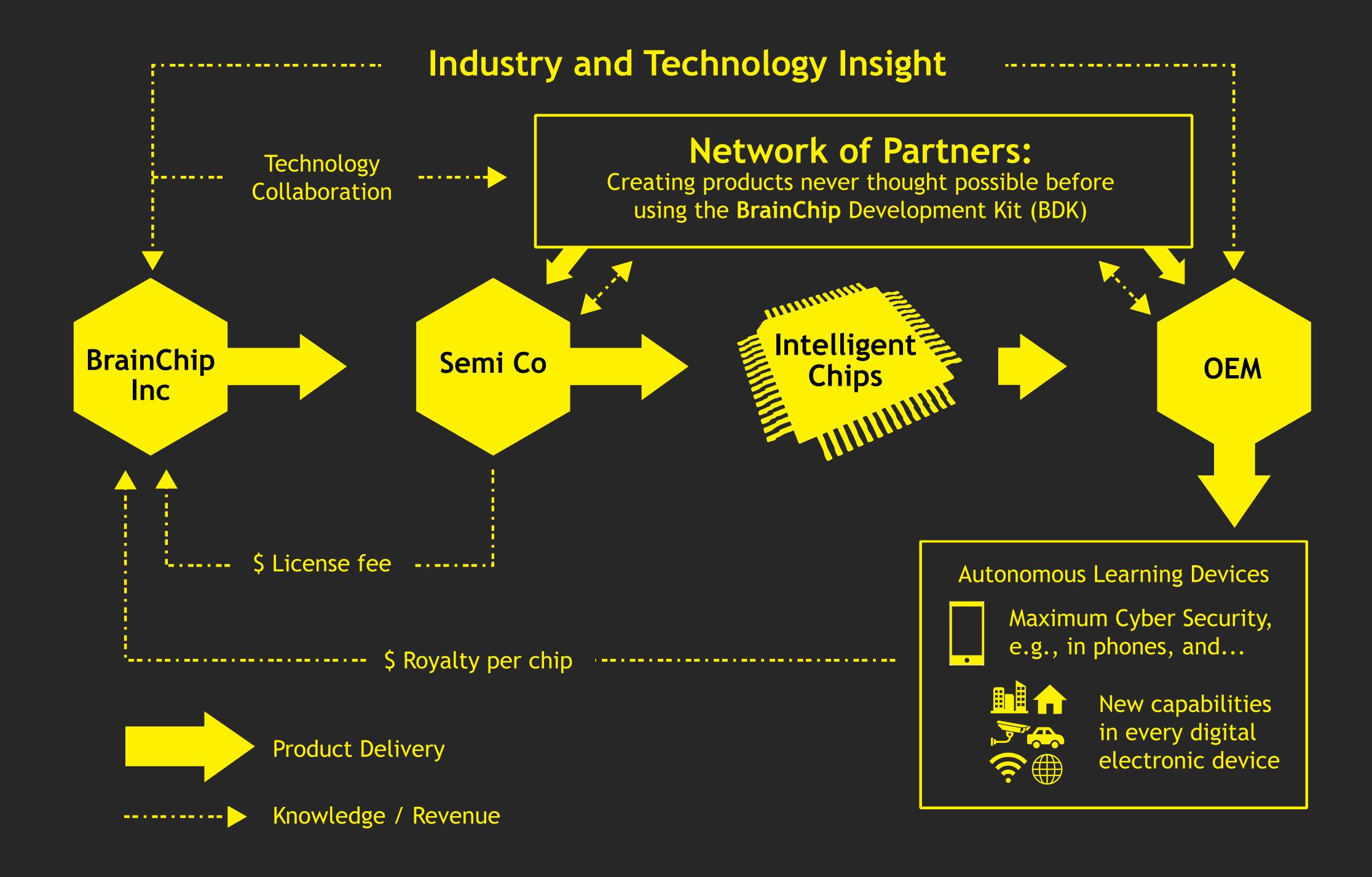
One SNAP neuron is the equivalent to 4997 Sigmoid (Software) neurons.

Wolfgang Maass, University of Graz.



Our smarts are our biggest asset.

BrainChip is an IP licensing business, so our business model will focus around licensing, engineering fees and royalty streams.





Our market opportunities.

As well as our current discussions with potential technology partners, and series of products in the pipeline, we have identified two key areas of focus. Smartphones and the Internet of Things (IoT).



What Wikipedia Says about the Internet of things.



The network of physical objects or "things" embedded with electronics, software, sensors, and network connectivity, which enables these objects to collect and exchange data.



What Dave Evans (Cisco) Says about the Internet of things;



Experts estimate that the IoT will consist of almost 50 billion objects by 2020.



SNAP and the Internet of Things.



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SNAP technology can be embedded in IoT devices paired with various different sensors, like temperature, gas emissions, traffic cameras, CCTV and more.





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The IoT sector is forecast to be a multi billion dollar market segment.







SNAP's future milestones.

Milestone 2

BrainChip Spiking Neural Network

SNAP implemented in Hardware

Demonstrates the advanced nature of the SNAP technology

Enables scalability

Delivery achieved ahead of schedule



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Allows for product deployment on server

Proves configurability

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Delivery: expected Q1 2016

Engineering work on track



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Beyond

BrainChip Development Kit (BDK)

BrainChip Experimenters Kit (BEK)

SNAP 64 Chip

SNN Accelerator System

A significant product pipeline to enable large scale deployment of SNAP

Delivery: Over the next 24 months



We plan to build a broad portfolio of global patents.

We have 1 granted patent and five patents pending.



We plan to build a broad portfolio of global patents.

Brainchip has a large number of patents in progress.



The brains behind Brainchip



Mick Bolto Chairman

Legal and Corporate background.



Peter van der Made Executive Director, CTO and Interim CEO

SNAP inventor, previous Chief Scientist at IBM.



Adam Osseiran
Non executive
Director

Engineering
background with
extensive technical
business development
experience.



Anil Mankar
Chief Operating
Officer

An accomplished Senior Engineer with full product development lifecycle experience.

Held senior positions at Western Digital, Connexant, MindSpeed and Rockwell.



Neil Rinaldi Non Executive Director

Corporate background with an emphasis on M&A, capital raising & business development initiatives.



Scientific Advisory Board The team behind the team



Dr. Nicholas Spitzer Neuroscientist

Professor at **University of** California San Diego

> Ph.D Harvard University



Dr. Jeffrey Krichmar **Cognitive Scientist**

Professor at University of California Irvine

Ph.D George Mason University



Dr. Gert Cauwenberghs Scientist

Professor University of California San Diego

Ph.D California Insitute of Technolgy, Pasadena



Capital Structure

Top twenty shareholders hold greater than 75.00%

54% of structure escrowed for between 1-2 years

Directors and management hold a significant stake.

Free float = 239,700,608

Security Type	Number of shares	Escrowed shares	Performance rights	Unlisted options
Unrestricted fully paid shares (free float)	239,700,608			
Restricted fully paid shares		431,174,644*		
Performance rights			120,000,000*	
Unlisted Options				6,250,000*

^{*} Escrowed for between 12-24 months







Let's recap.

We're a team of experienced innovators with a disruptive technology and a diverse revenue model.



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We're a team of experienced innovators with a disruptive technology and a diverse revenue model.

This is a global opportunity, we have significant product development plans, and we'd love to have you on board.



Pick our brains.

Questions...

For further enquiries:

Neil Rinaldi - Non Executive Director e: nrinaldi@brainchip.com.au

Ben Knowles - Australian PR/IR
Walbrook Invetor Relations
e: ben.knowles@walbrookir.com.au
m: +61 426 277 760

Ted Haberfield - USA PR/IR

MZ Group | President - MZ North America e: thaberfield@mzgroup.us

m: +1 858-204-5055