



An underwater scene with a school of small fish swimming in the upper half of the frame. The water is a deep blue-green color. In the lower half, there is a dark, rocky seabed with some greenish-brown algae or coral. The text "500 million years ago" is centered in the middle of the image in a white, sans-serif font.

500 million years ago

A turning point in biological evolution

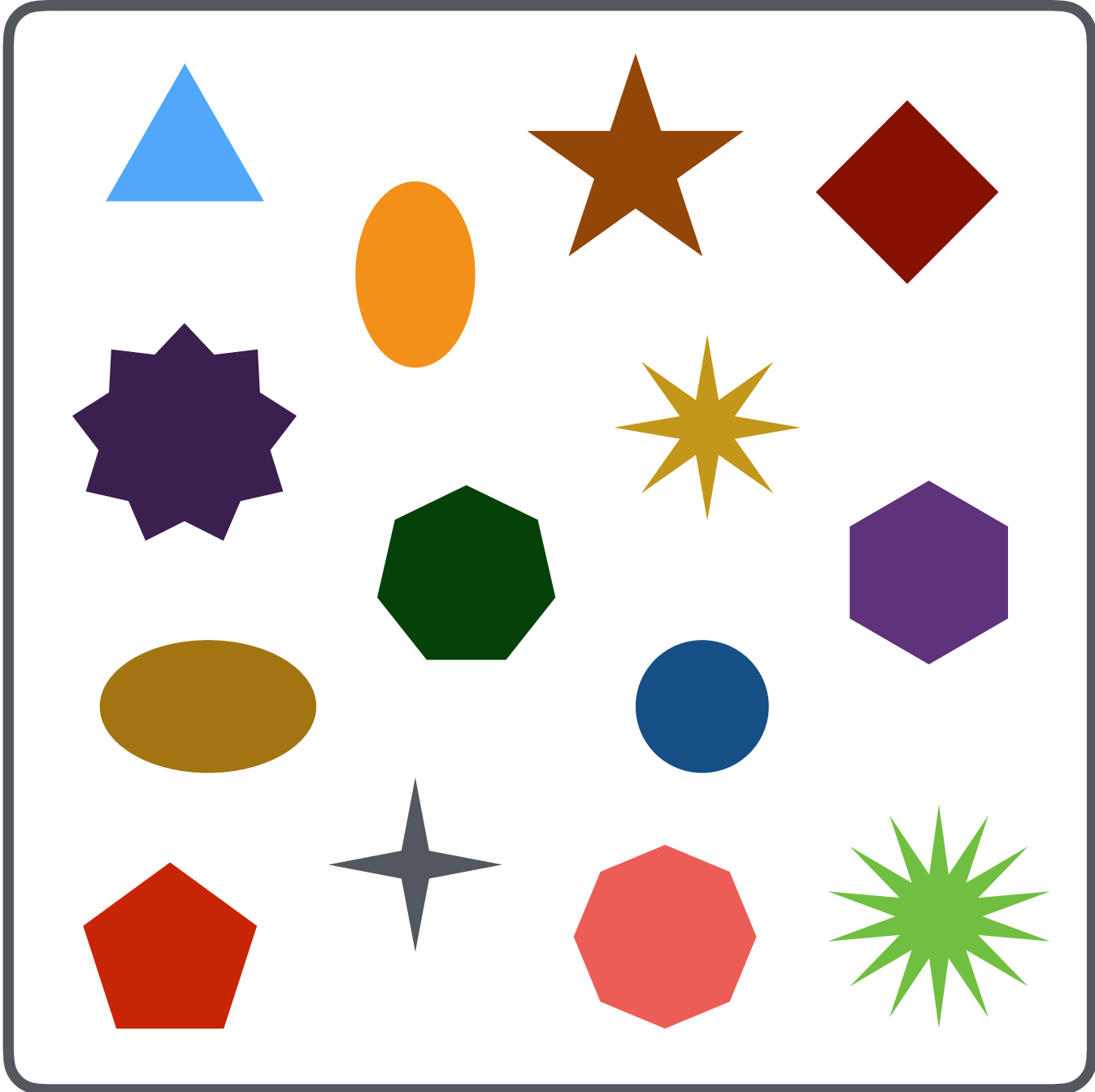
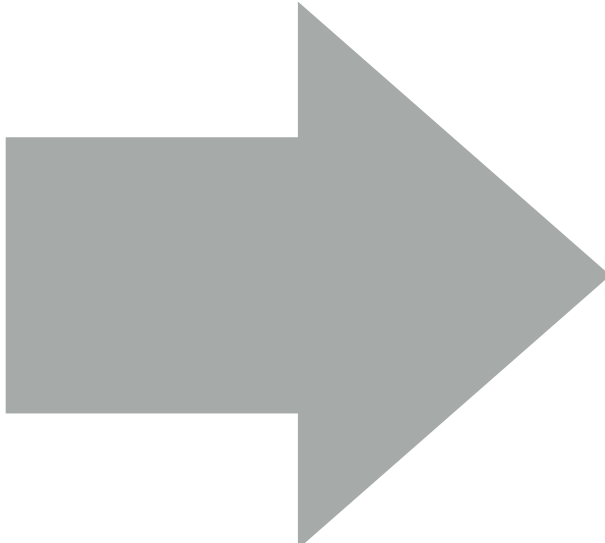
“Cambrian Explosion”

Biological Evolution



Several species

(Before Cambrian Explosion)



Ten thousand species

(After Cambrian Explosion)

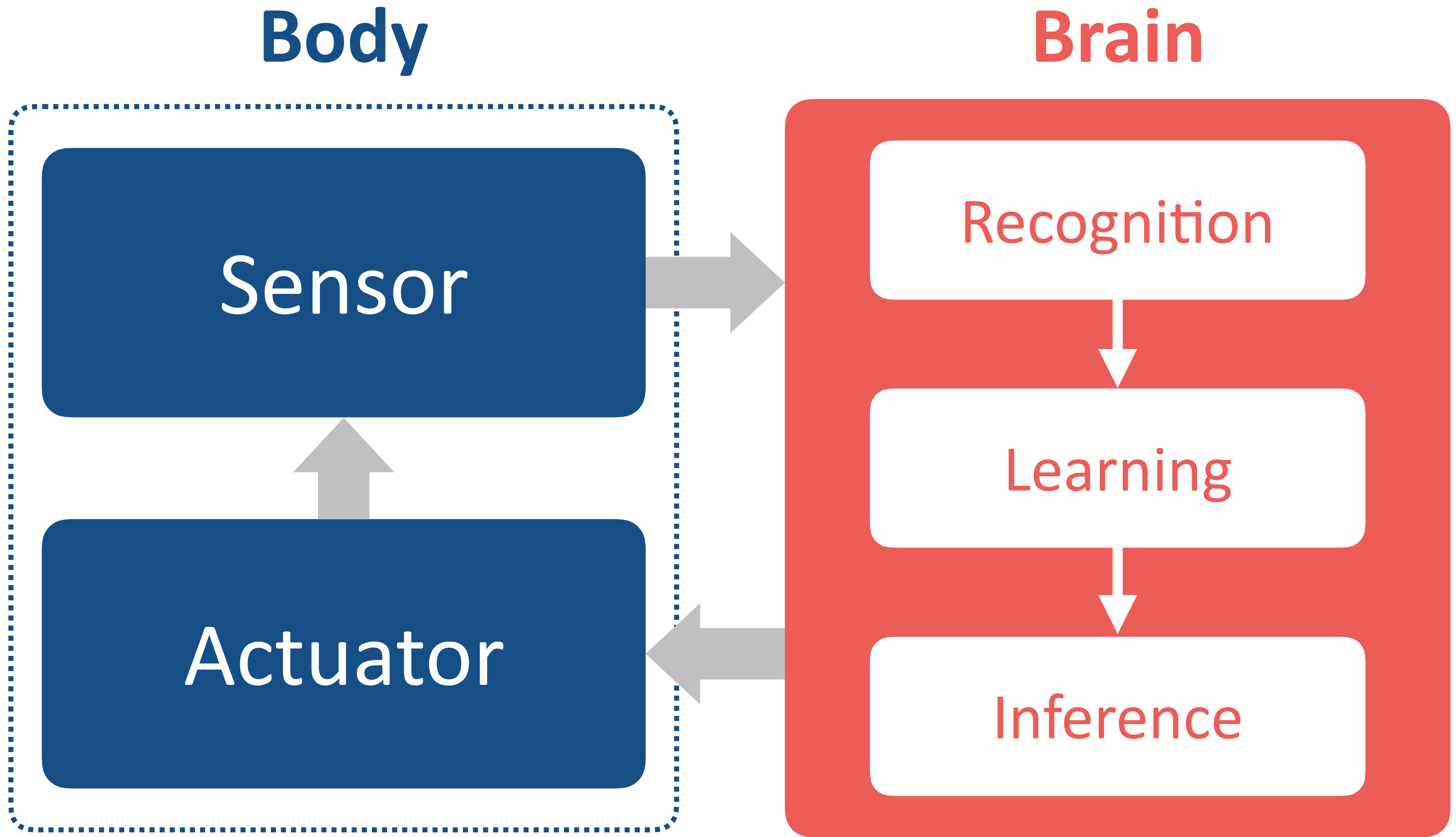
Trigger of Biological Evolution



Origin of life with “Sensors (Eyes)”

Key to Evolution

Sensing



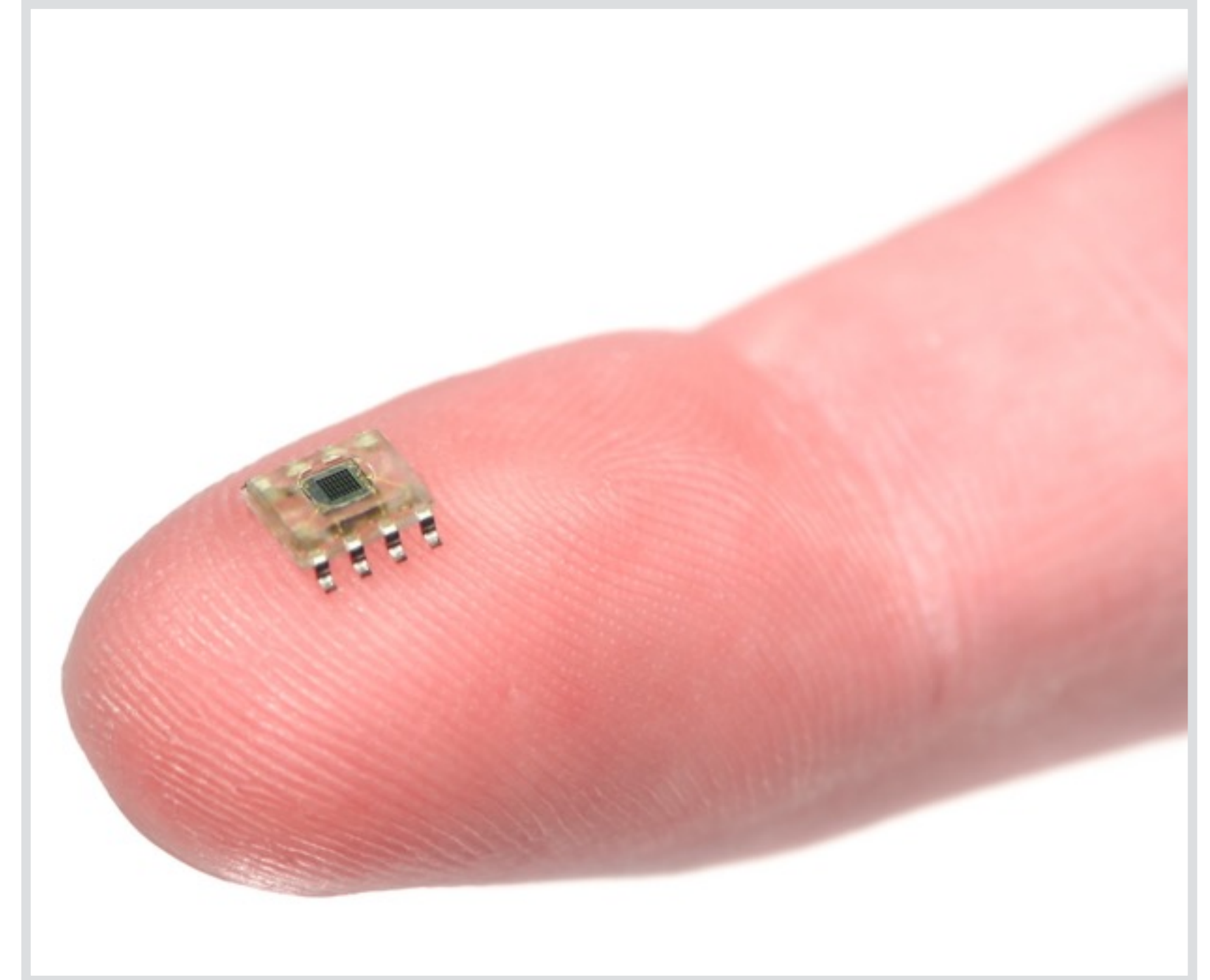
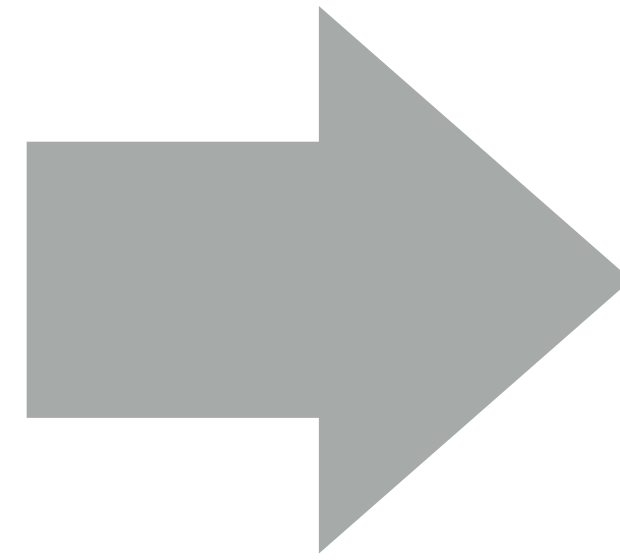
Sensors developed the brain, and that accelerated biological evolution

Sensing Technology



Eyes

(Cambrian Explosion)

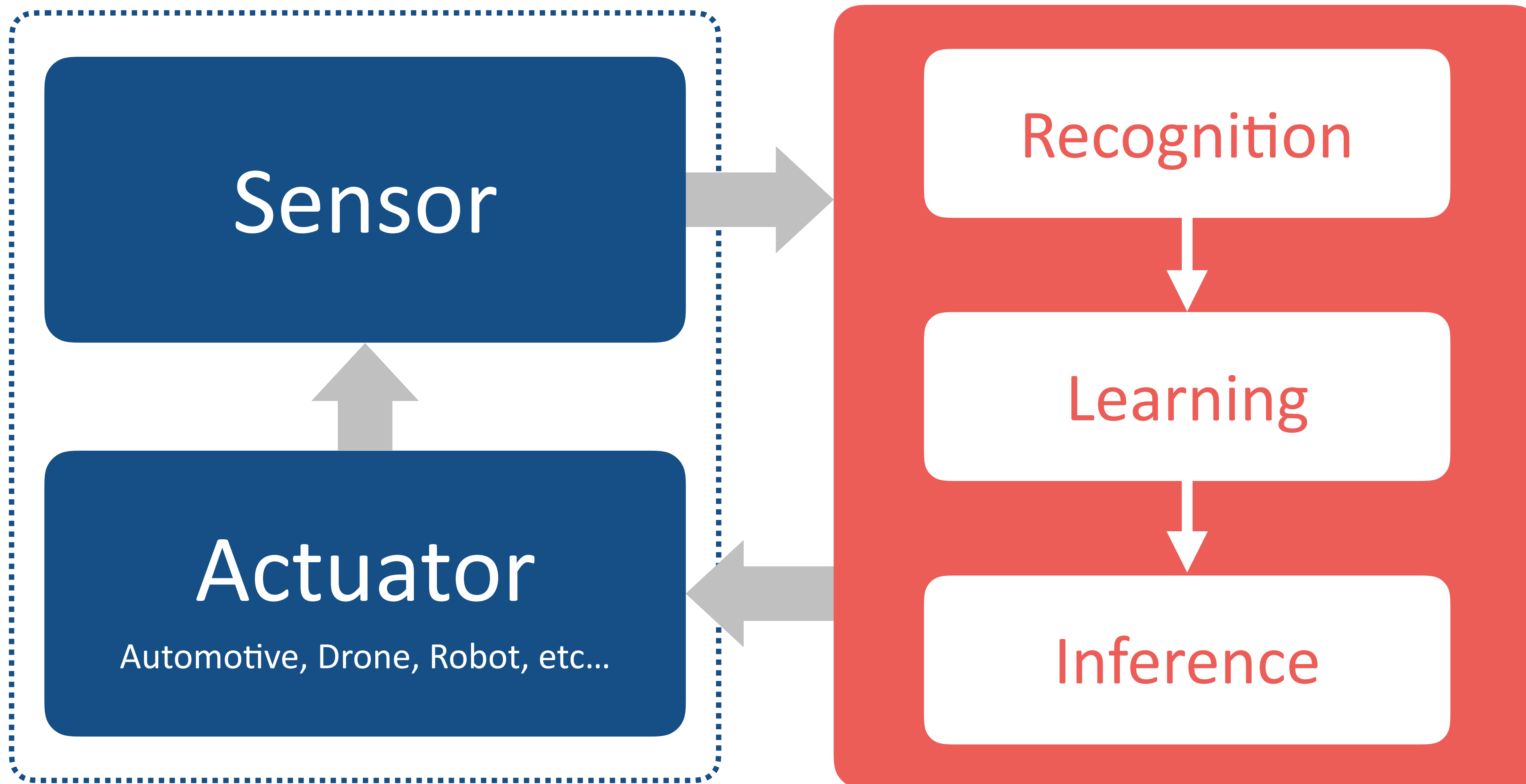


IoT

(Present)

IoT

Artificial Intelligence

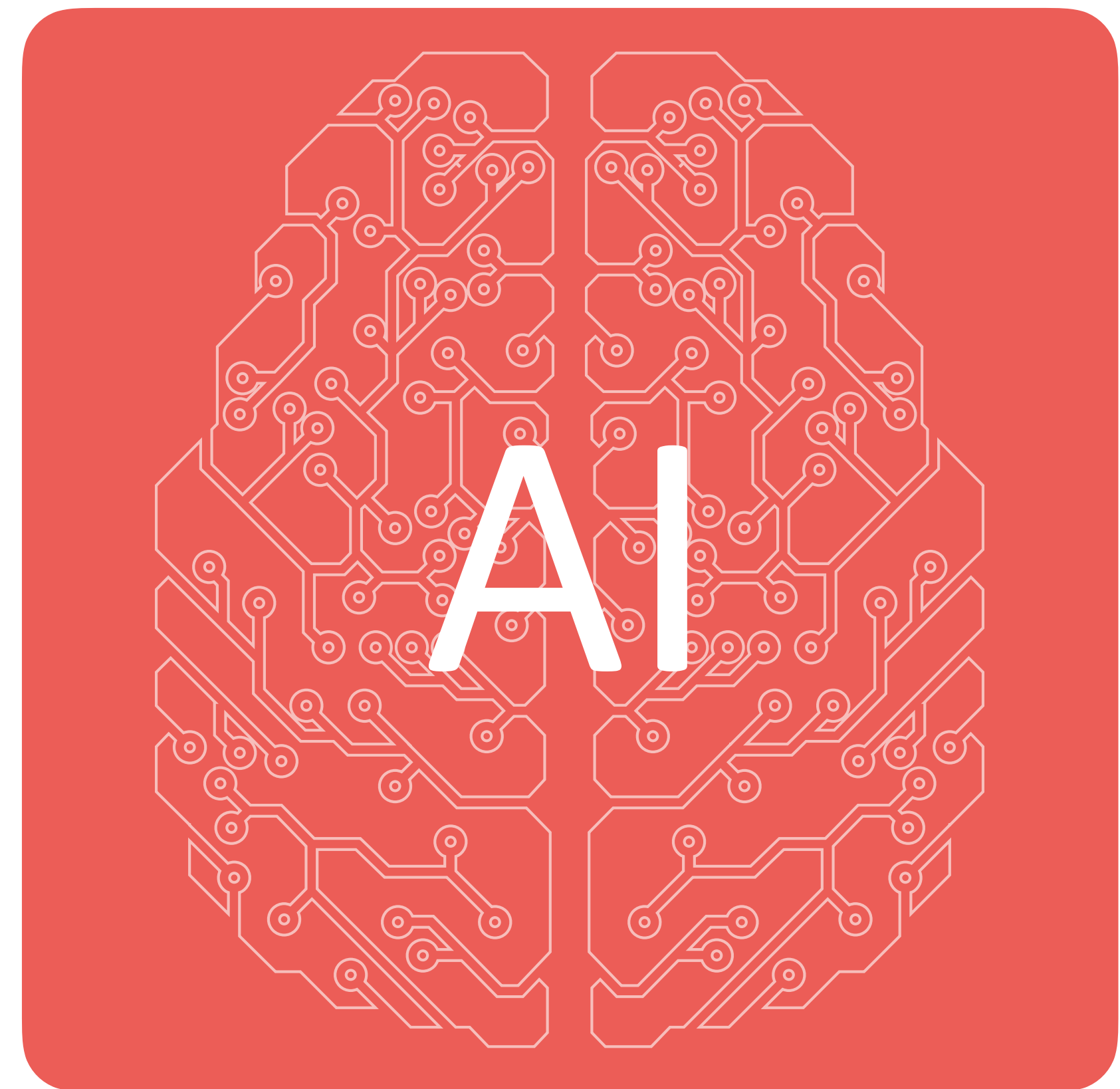


IoT is shaping AI, and that is accelerating human evolution

Keys to Human Evolution



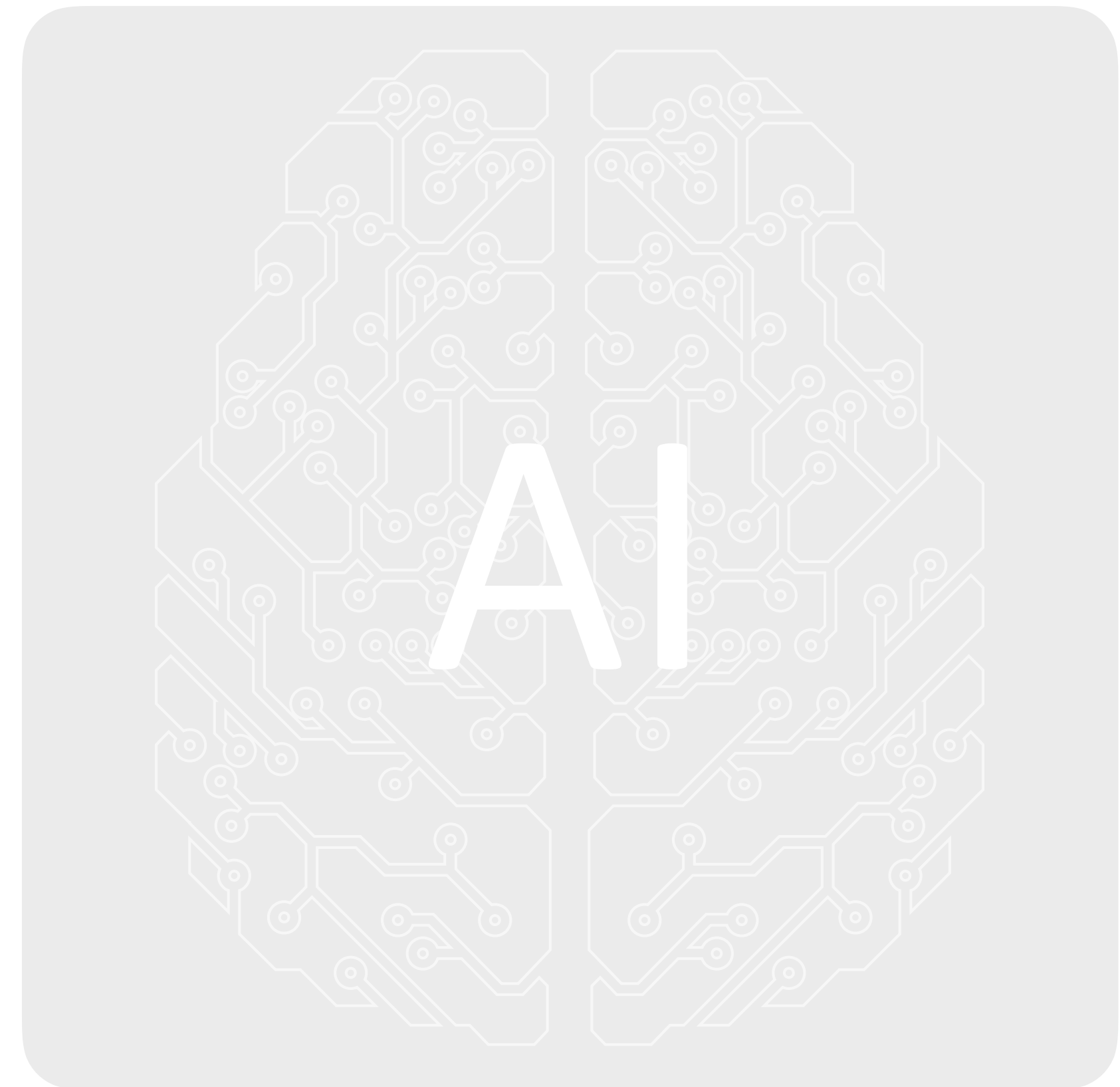
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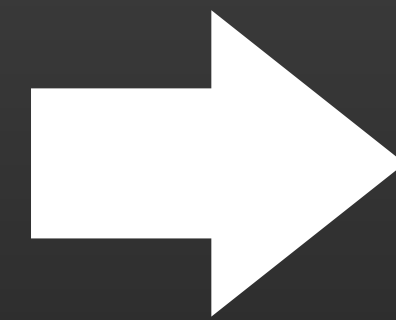
Keys to Human Evolution



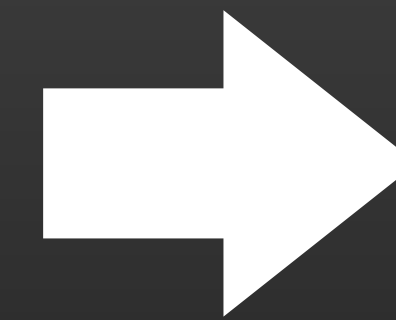
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PC



Mobile

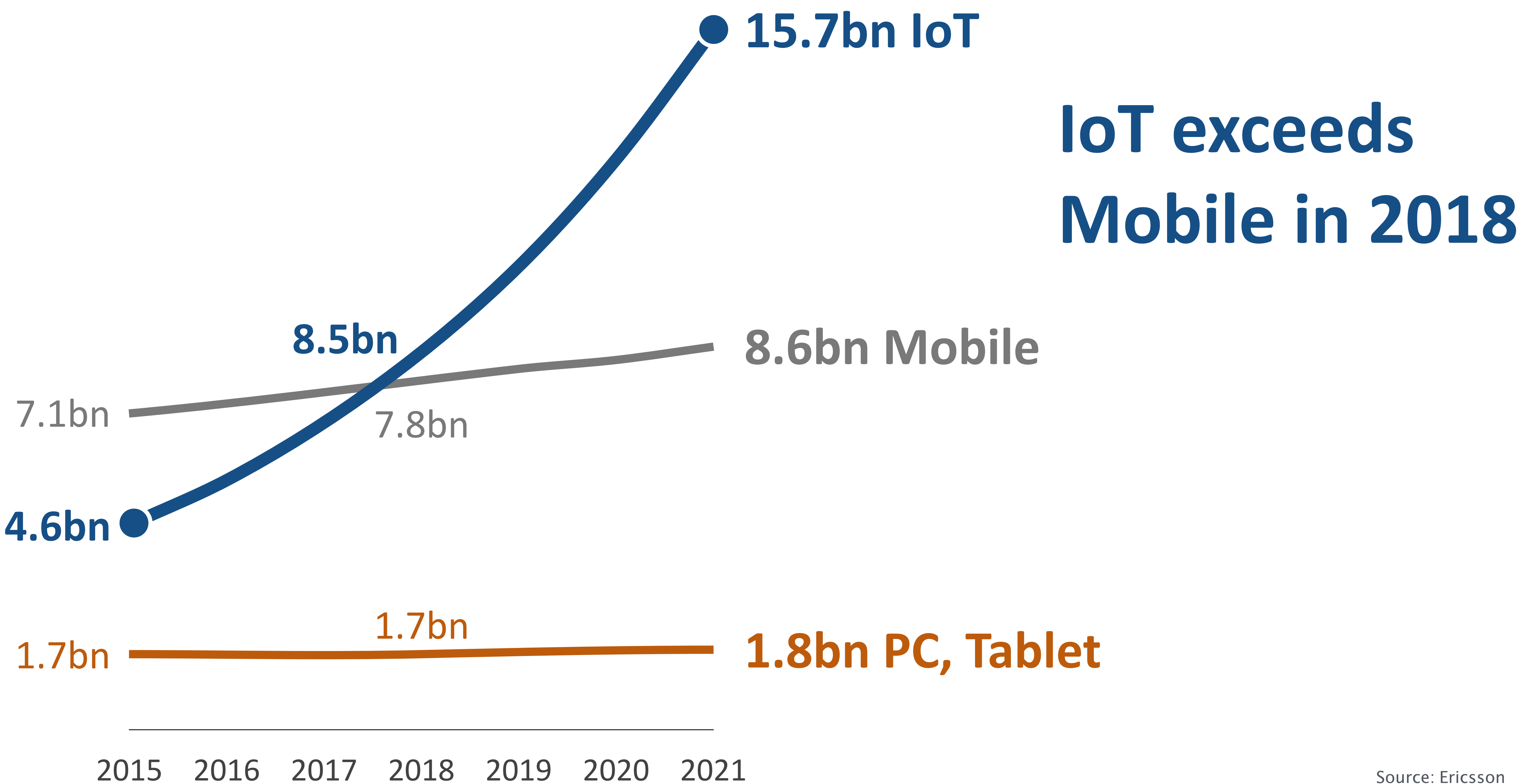


IoT



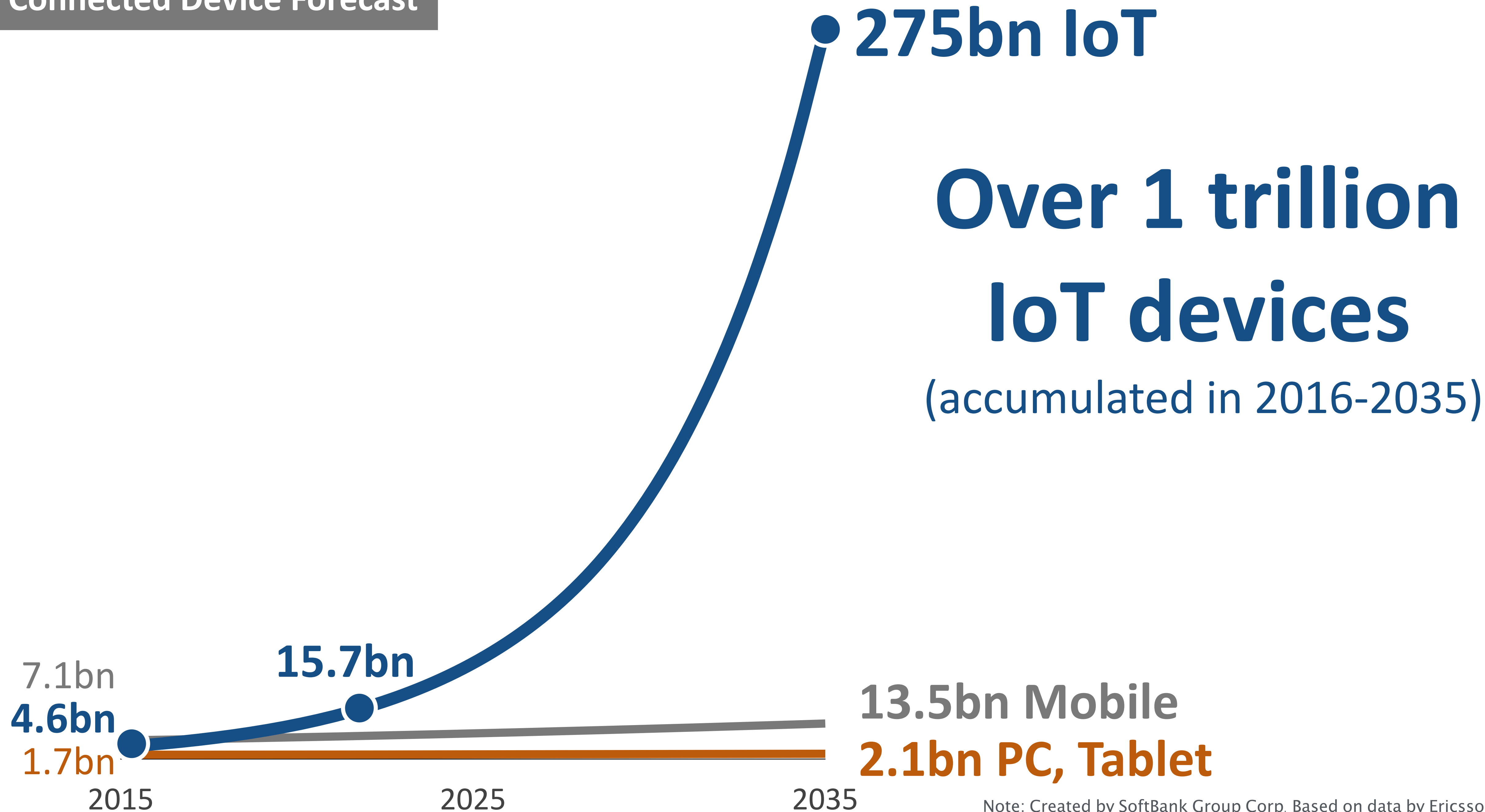
IoT has become center of Internet

Connected Device Forecast

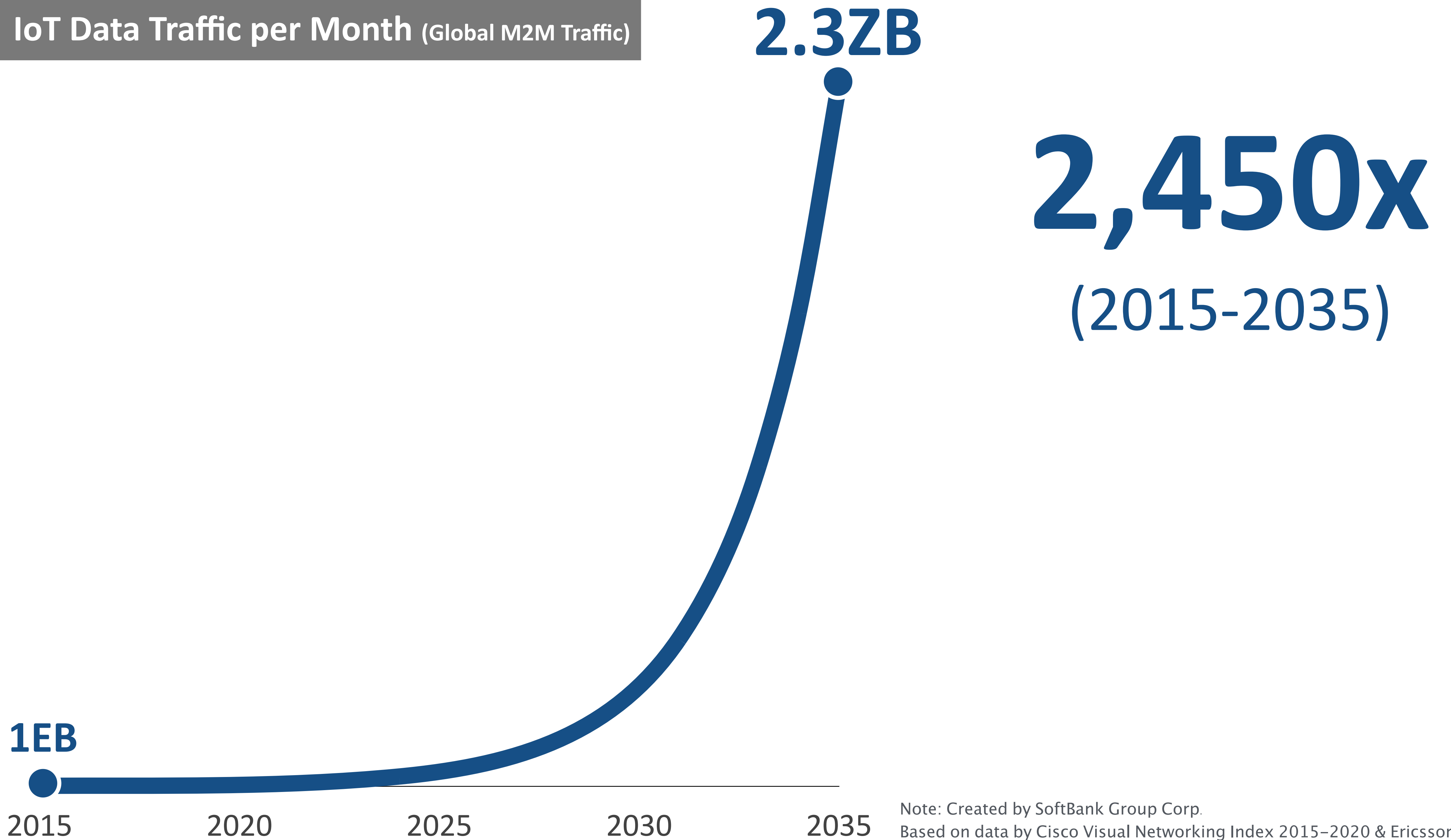


**IoT exceeds
Mobile in 2018**

Connected Device Forecast

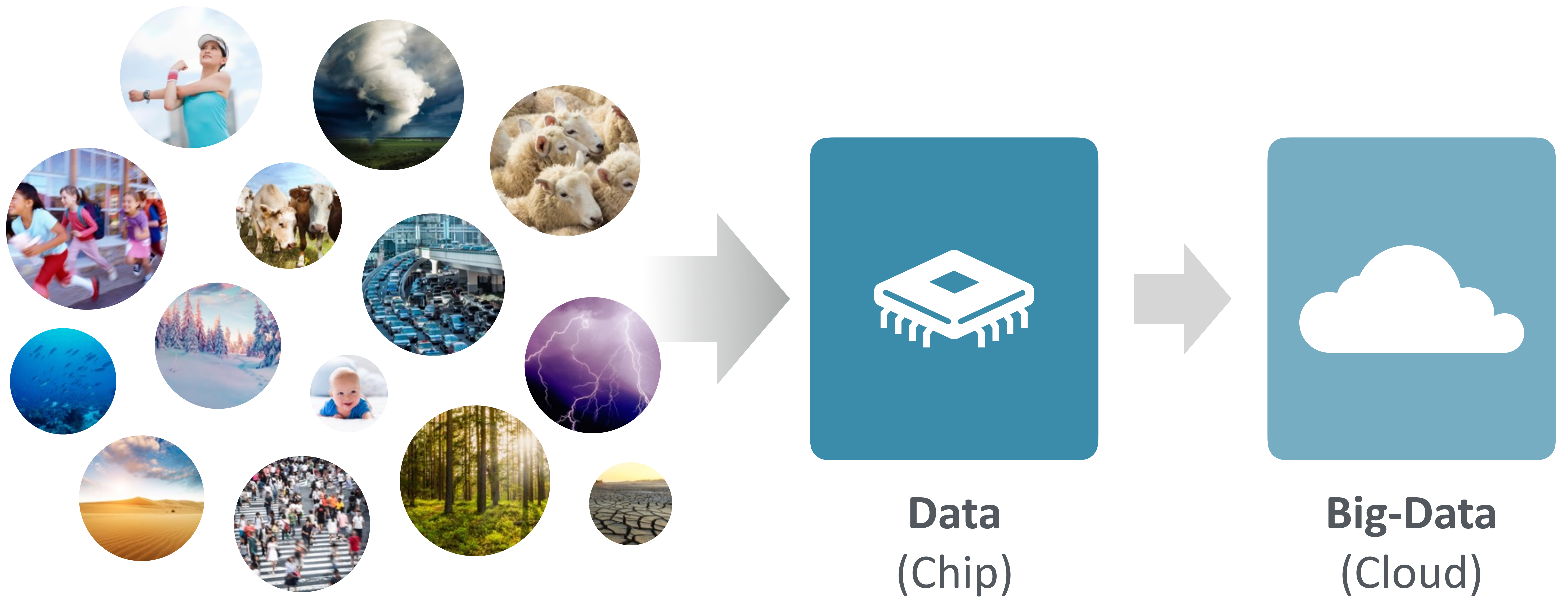


IoT Data Traffic per Month (Global M2M Traffic)



Note: Created by SoftBank Group Corp.
Based on data by Cisco Visual Networking Index 2015-2020 & Ericsson

IoT 1 Trillion

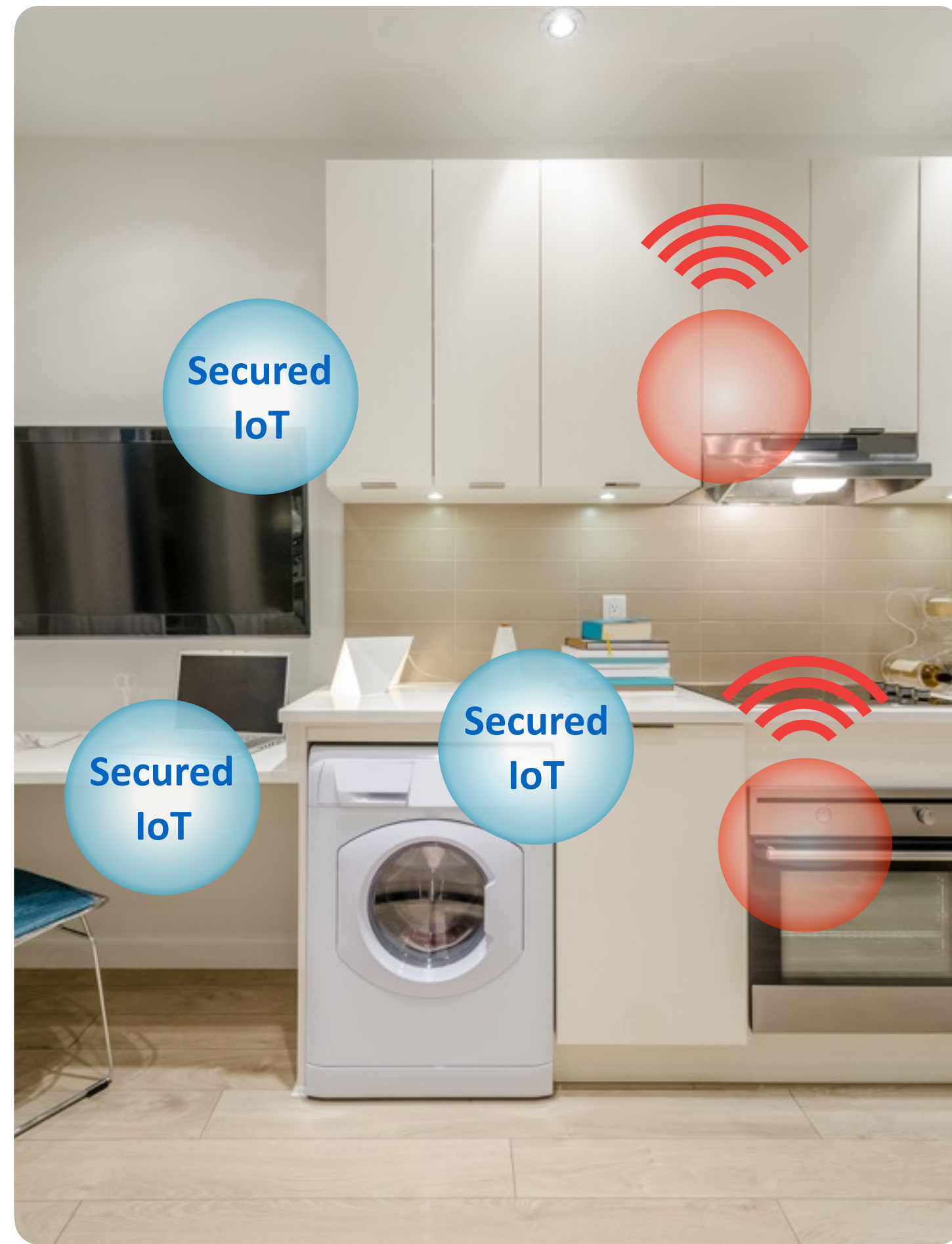
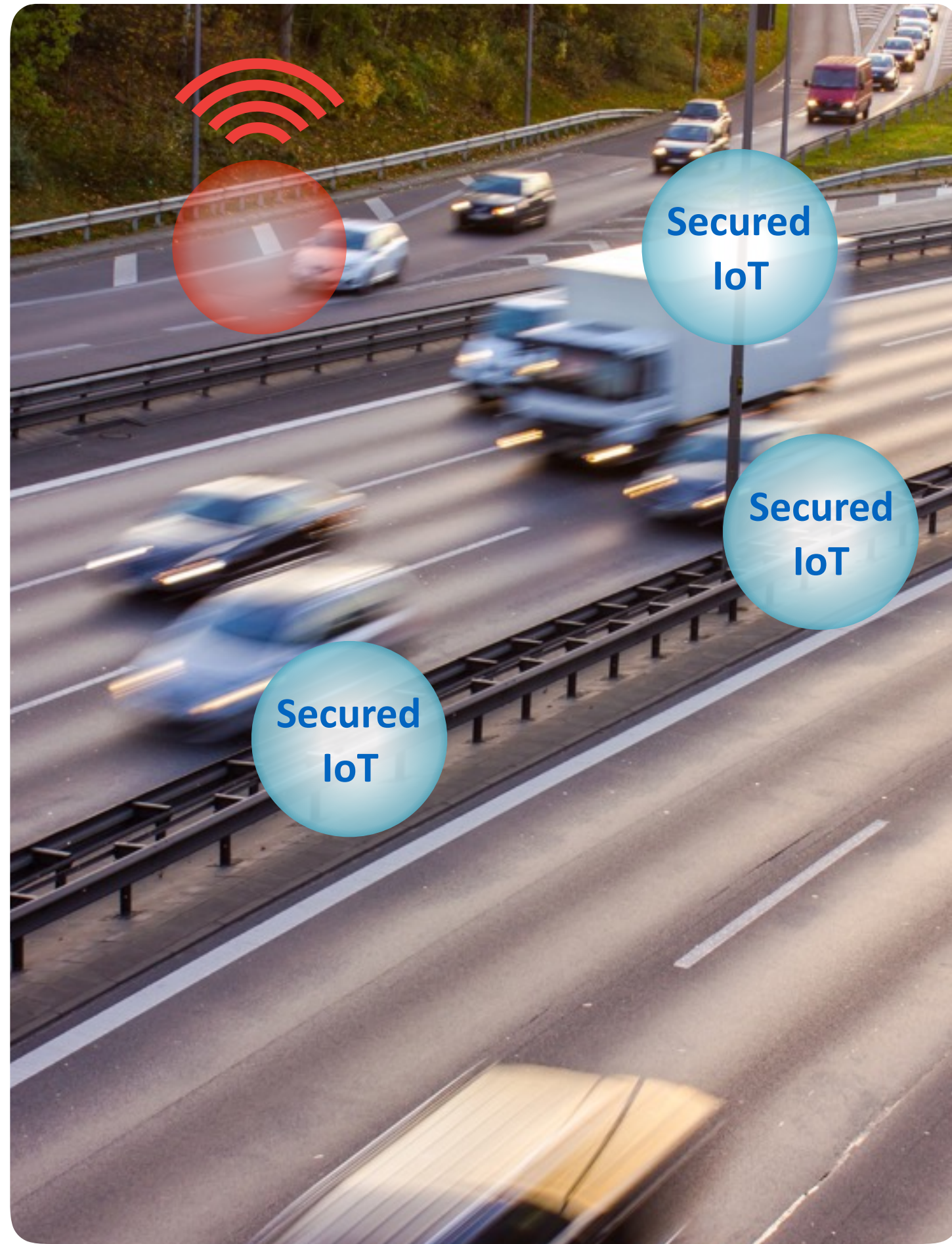


Everything digitized

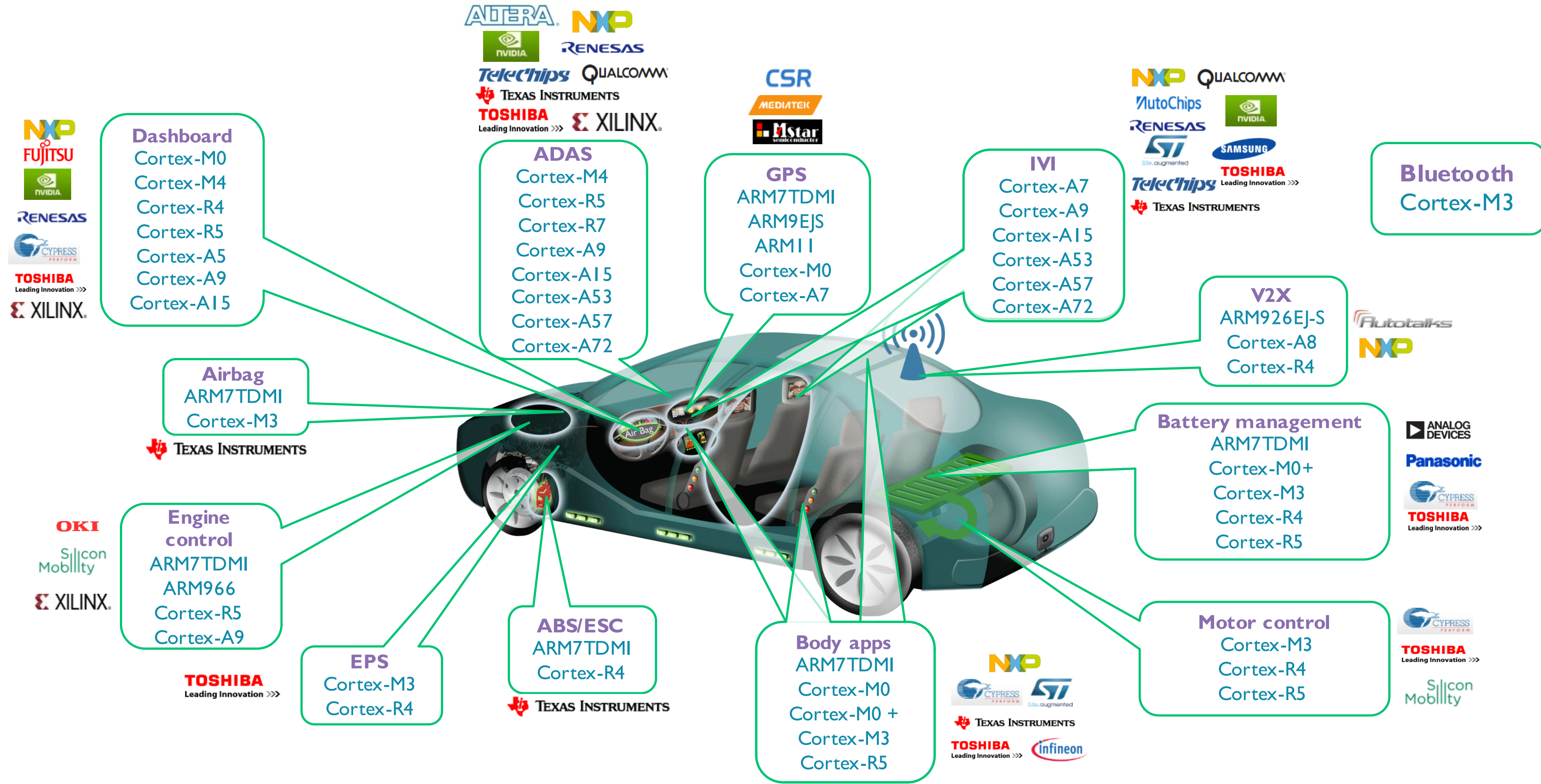
The most important key to IoT



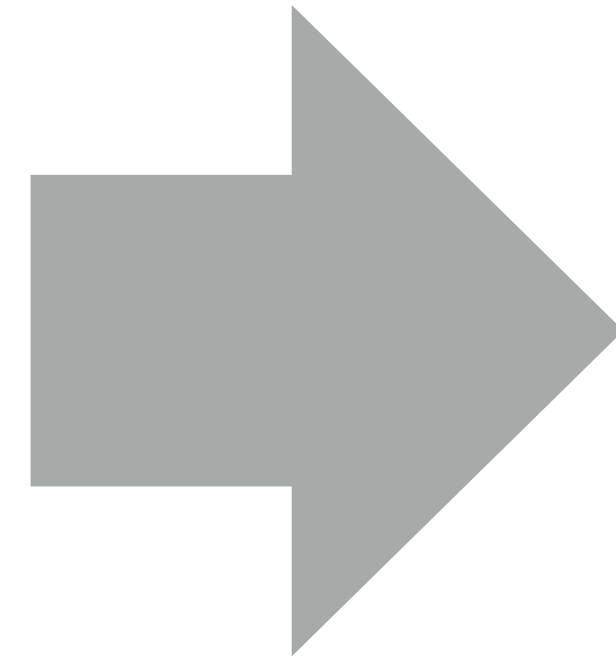
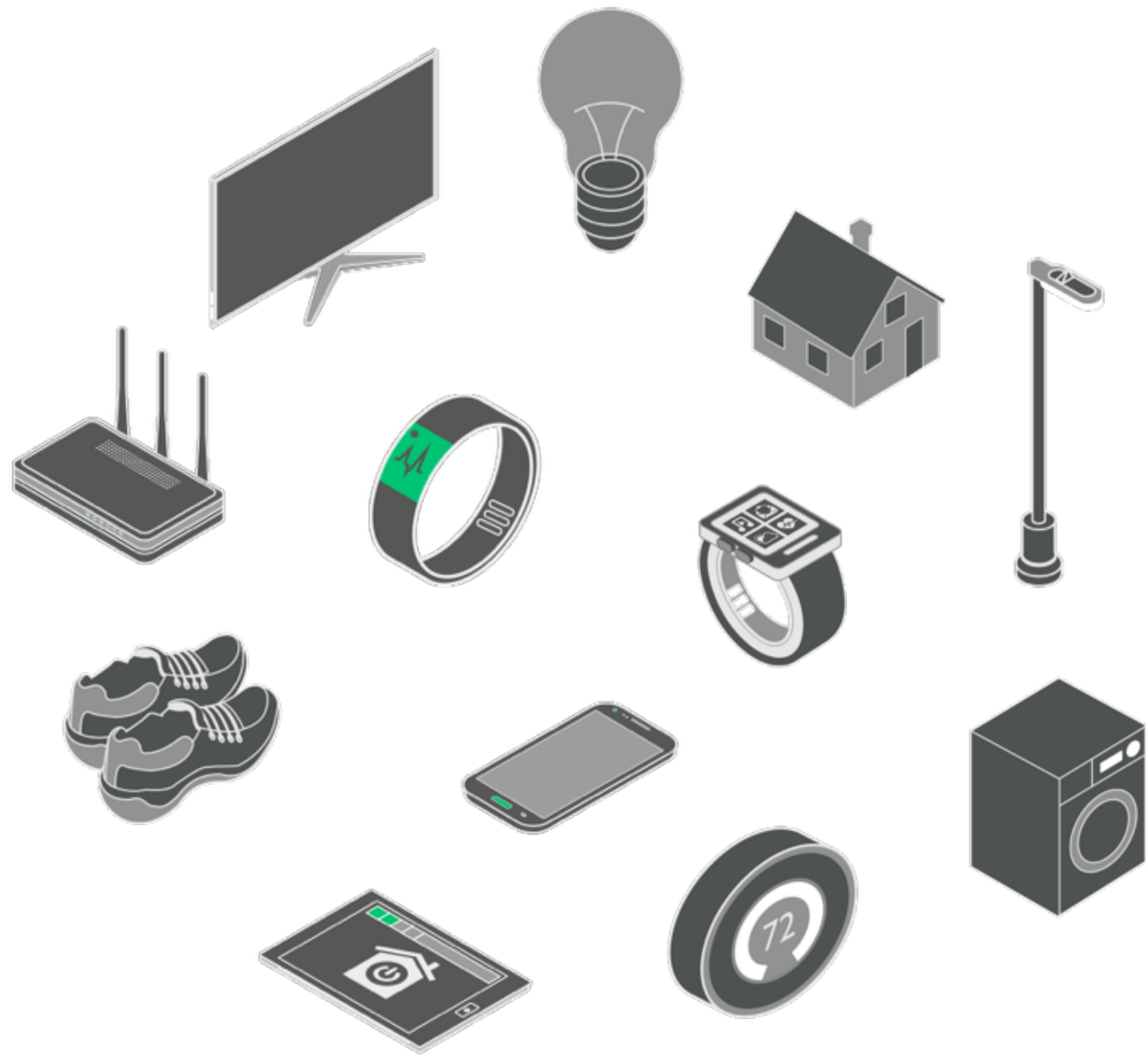
Security



Security essential for IoT devices



Many chips in a car



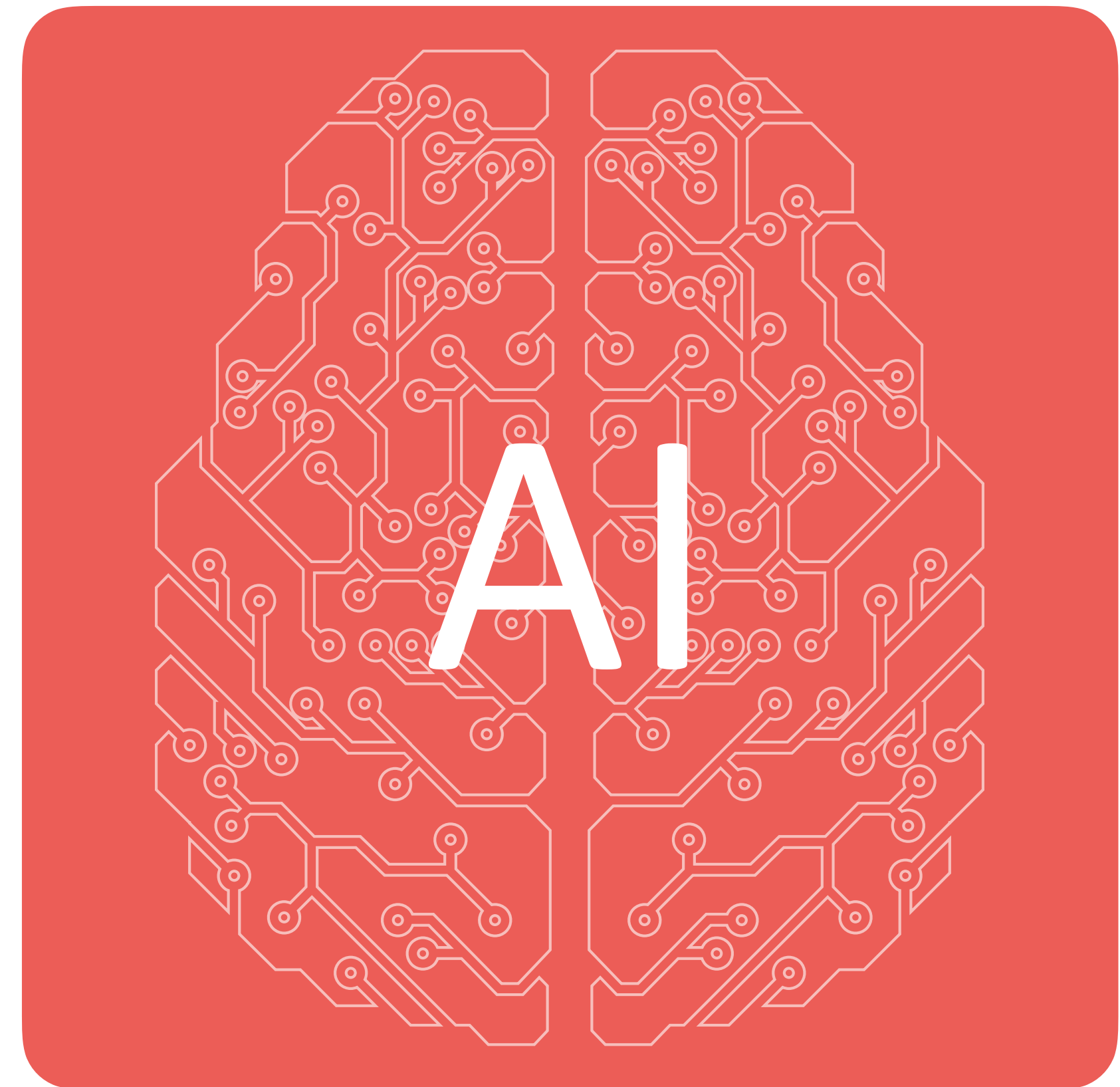
Big Data Cloud

IoT devices have to be connected to cloud securely

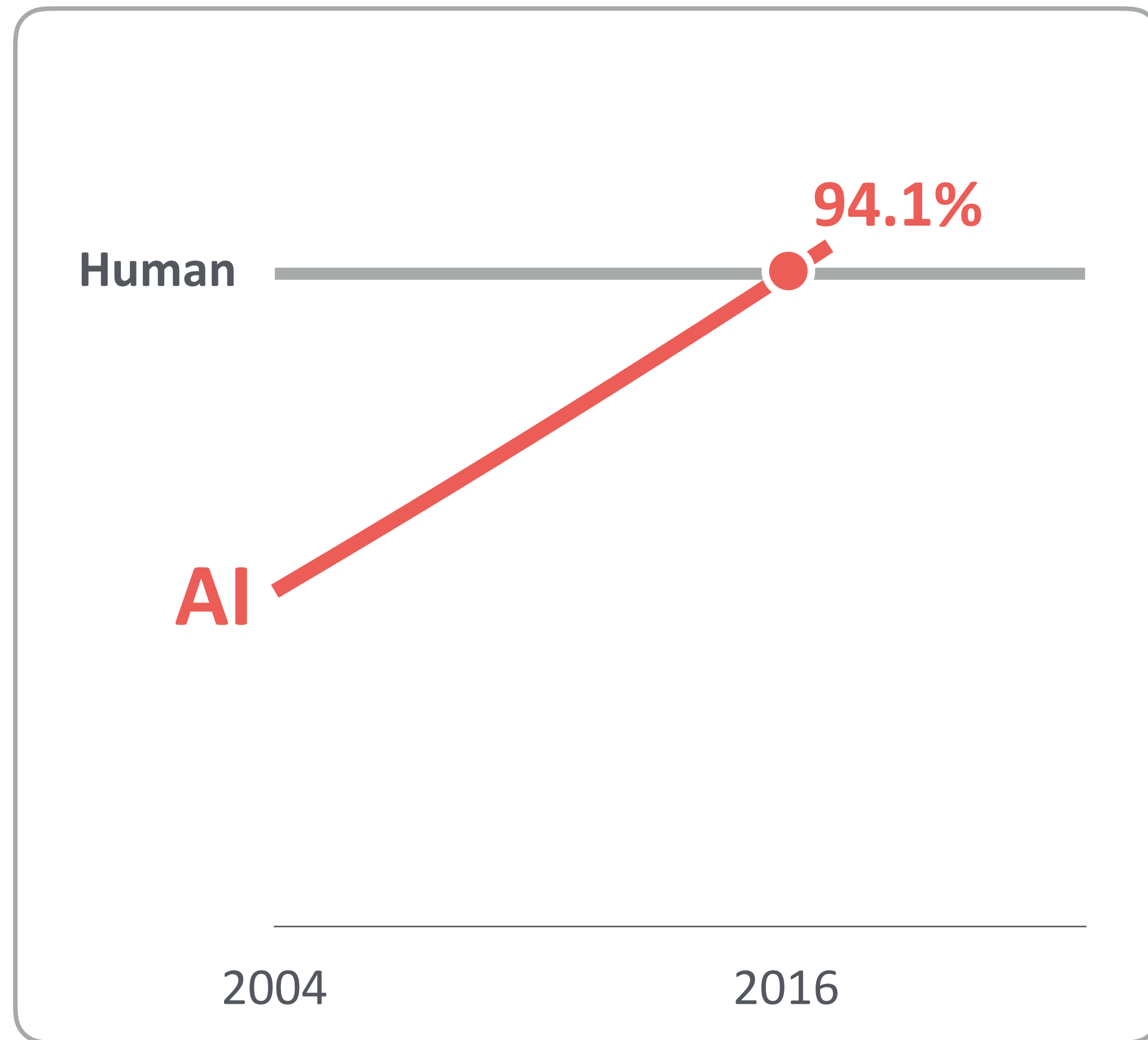
Keys to Human Evolution



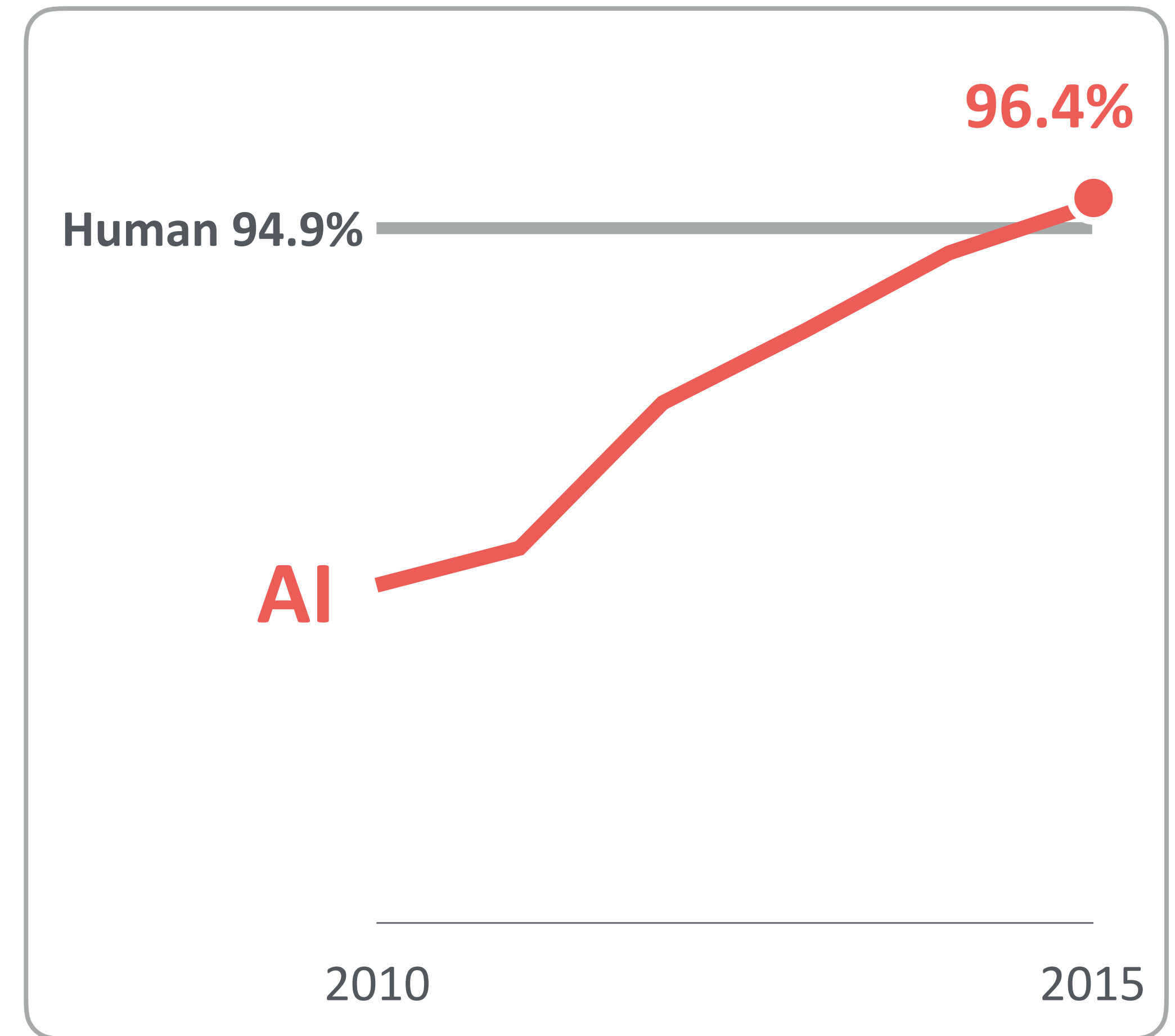
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Speech Recognition Rate



Visual Recognition Rate



AI is exceeding human capability

Practical AI Cases



Games

Google AlphaGo Beats Go Human Champ



Art

Creates a "new" painting in Rembrandt's style



Healthcare

Uses for rapid diagnosis of rare leukemia case



Industrial robots

Sorts recycling and extracting waste (Sadako Technologies)



Language translator

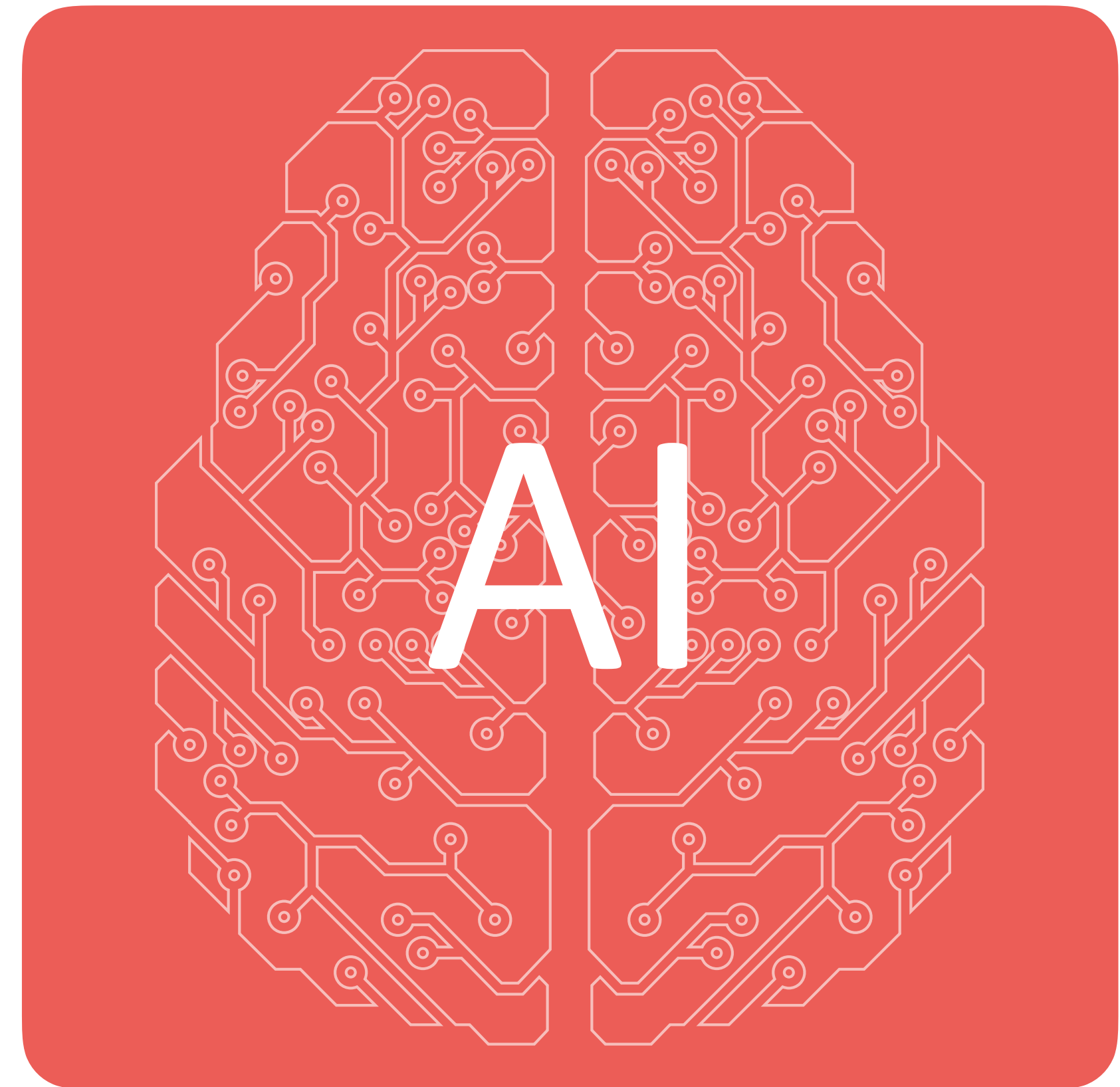
Skype translator provides Auto multi-lingual translation

Keys to Human Evolution



1 Trillion IoT Devices

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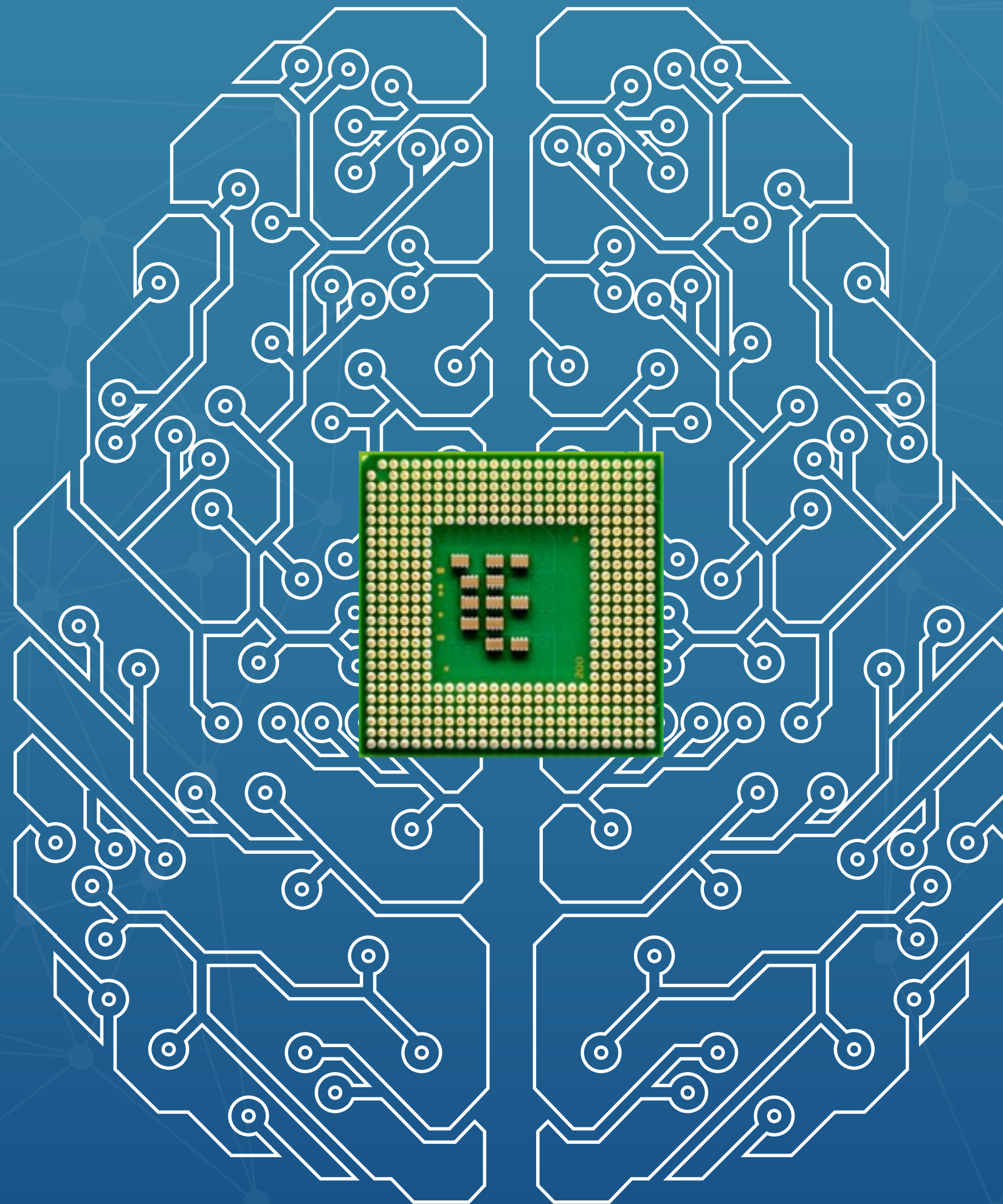


Exceeding Human Capability



SINGULARITY

Birth of Super-intelligence





People can
predict the future



A world
without car accidents



Life expectancy
of over 100 years



IoT 1 Trillion
 will jump-start human evolution

Information Revolution

- Happiness for everyone

