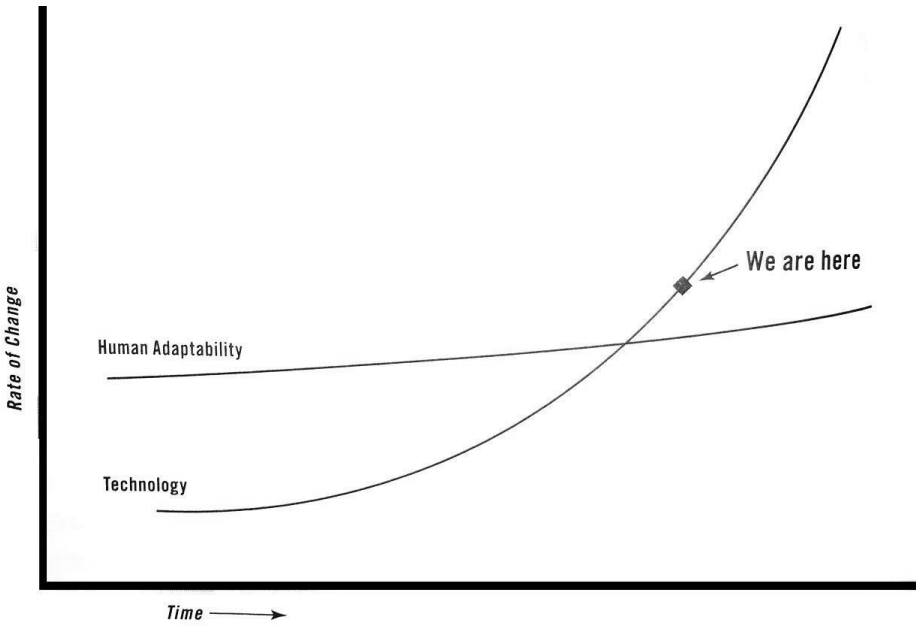
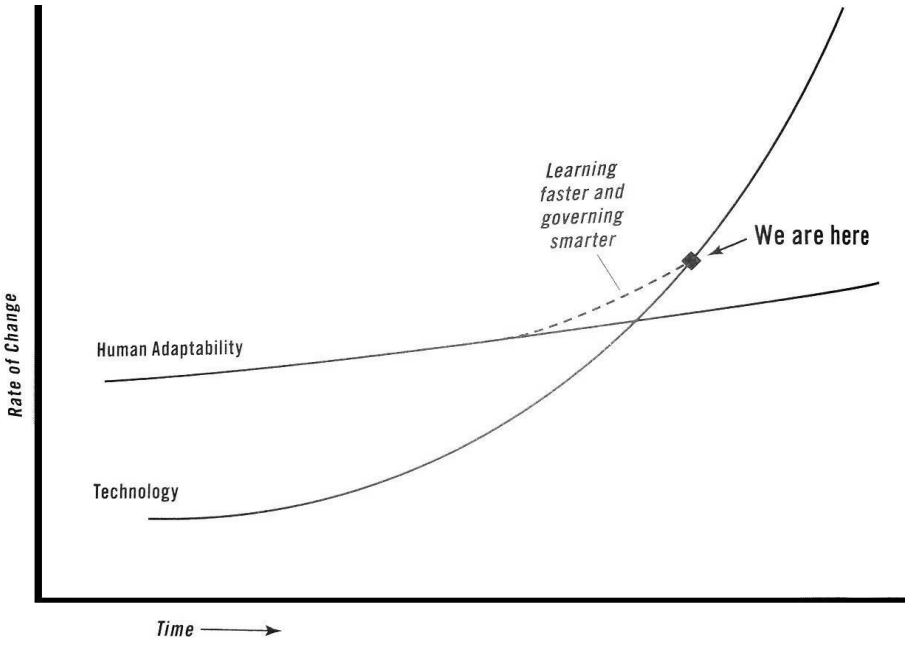
FORCES OF CHANGE

FORCES OF ACCELLERATION AND CHANGE

Eric Teller's Adaptability Curve



Eric Teller's Adaptability Curve



CHANGE: VISUALIZED

HINDSIGHT IS 20/20

13 Years of Change

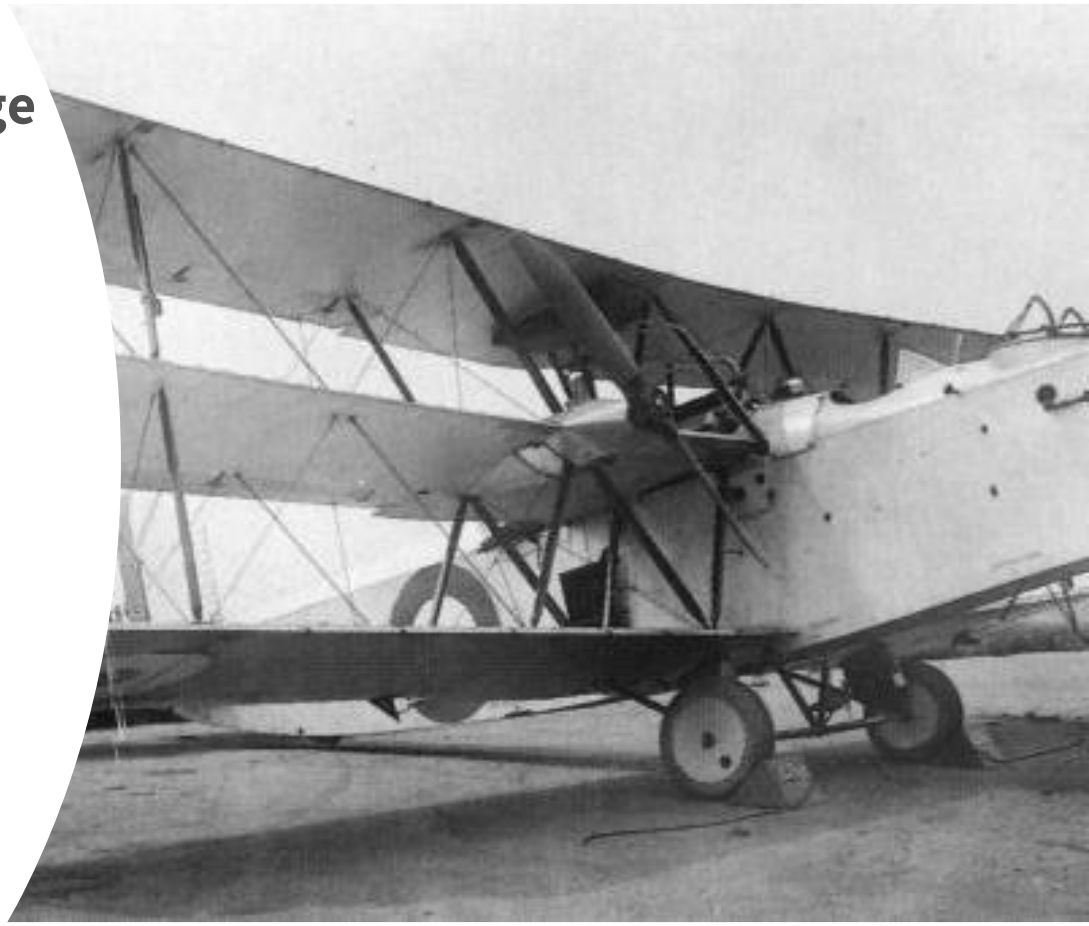
13 Years of Change

5th AVE NYC
1913

Where is
the
horse?

10 Years of Change

1924



10 Years of Change

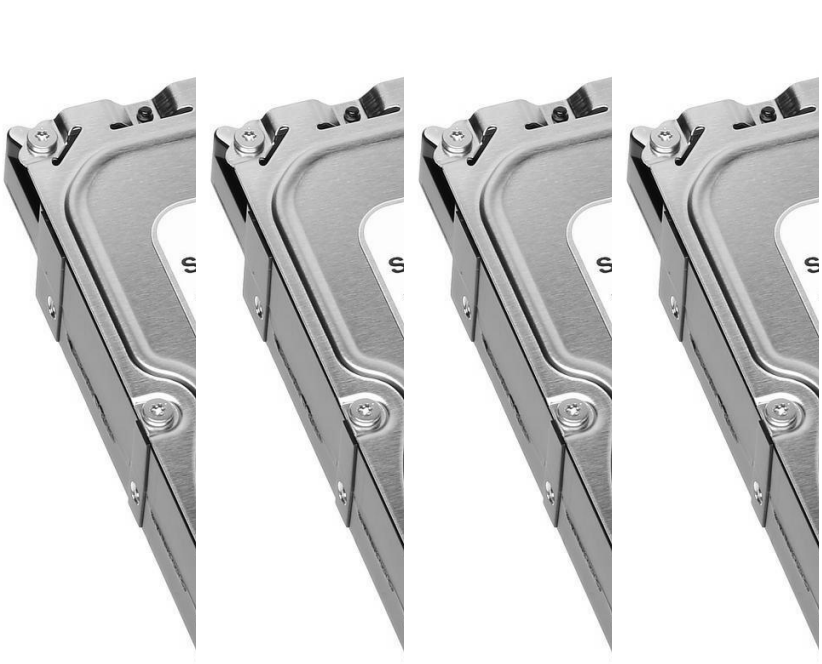
1944

10 Years of Change

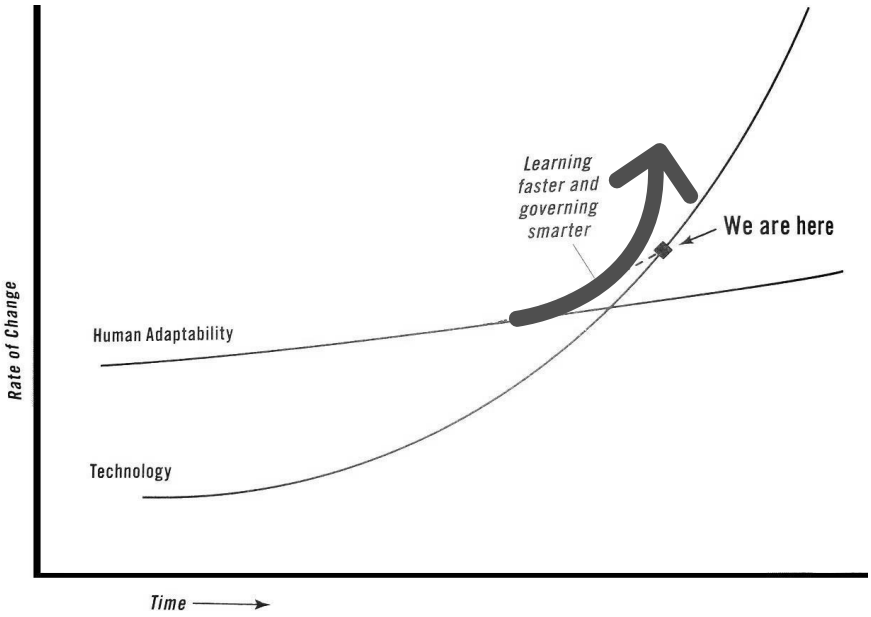
2011

10 Years of Change

2021


Seagate
Video 3.5 HDD
2000GB

We Need to Bend the Adaptability Curve



Human Augmentation

IMPROVING HUMAN SENSES, MECHANICS, AND FUNCTION

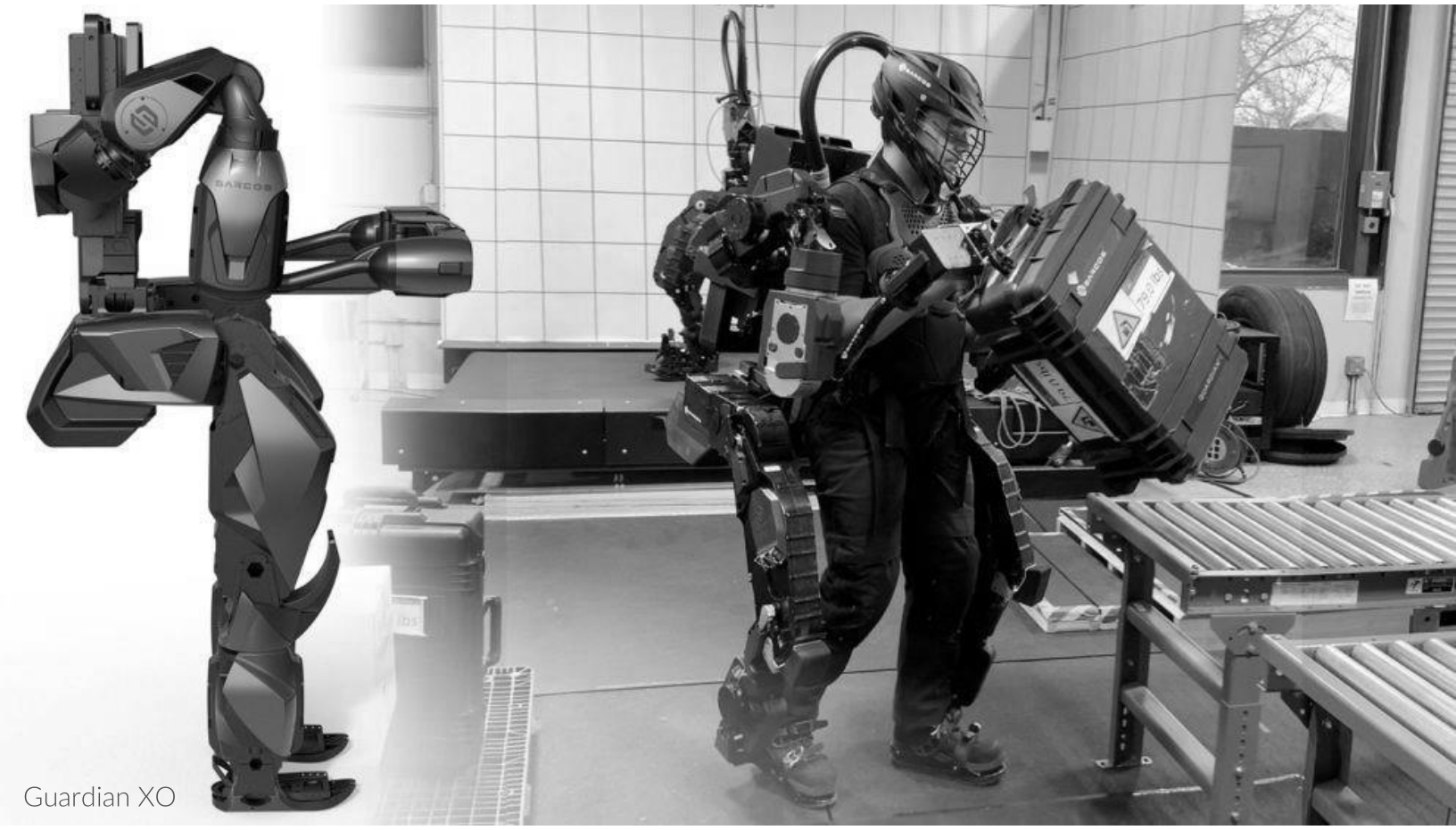
Progress in One Decade

IMPROVING HUMAN SENSES, MECHANICS, AND FUNCTION

Exoskeletons

ekso

ReWalk Personal 6.0



Guardian XO

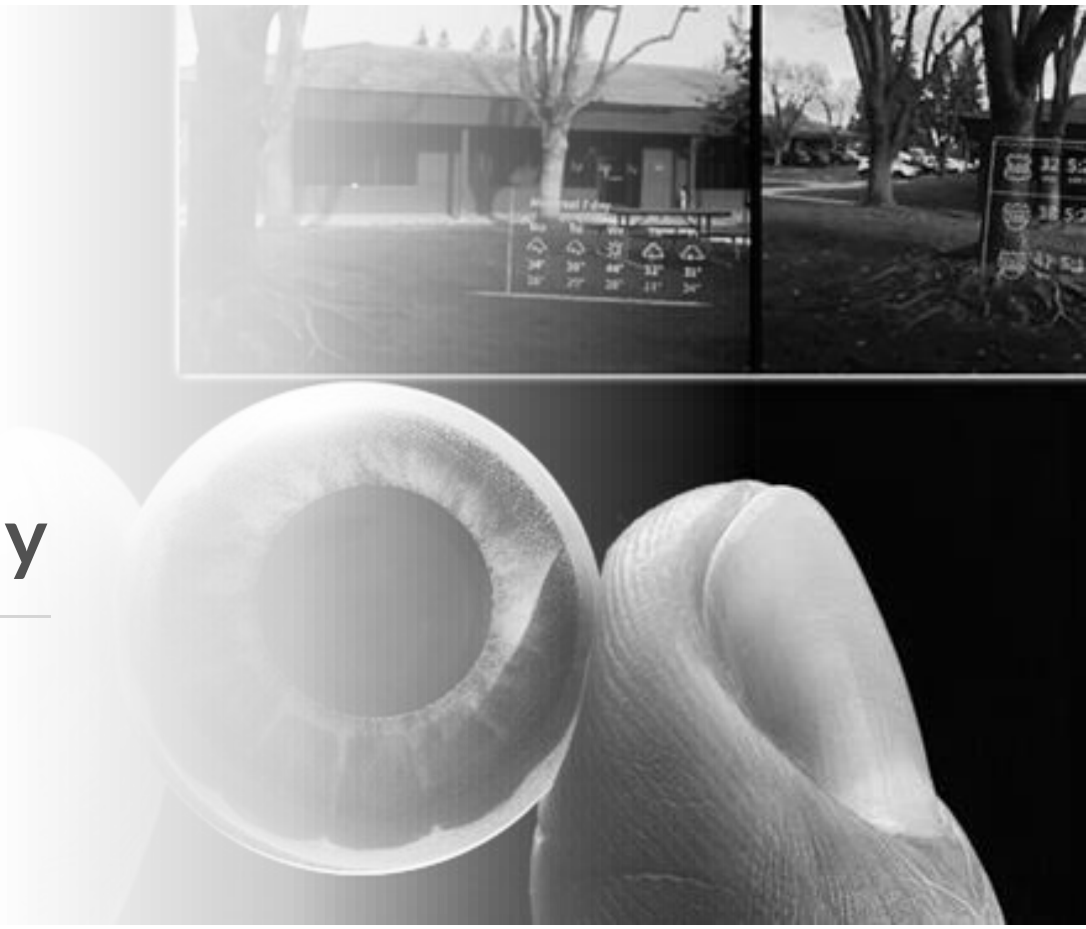
Near-Eye Displays

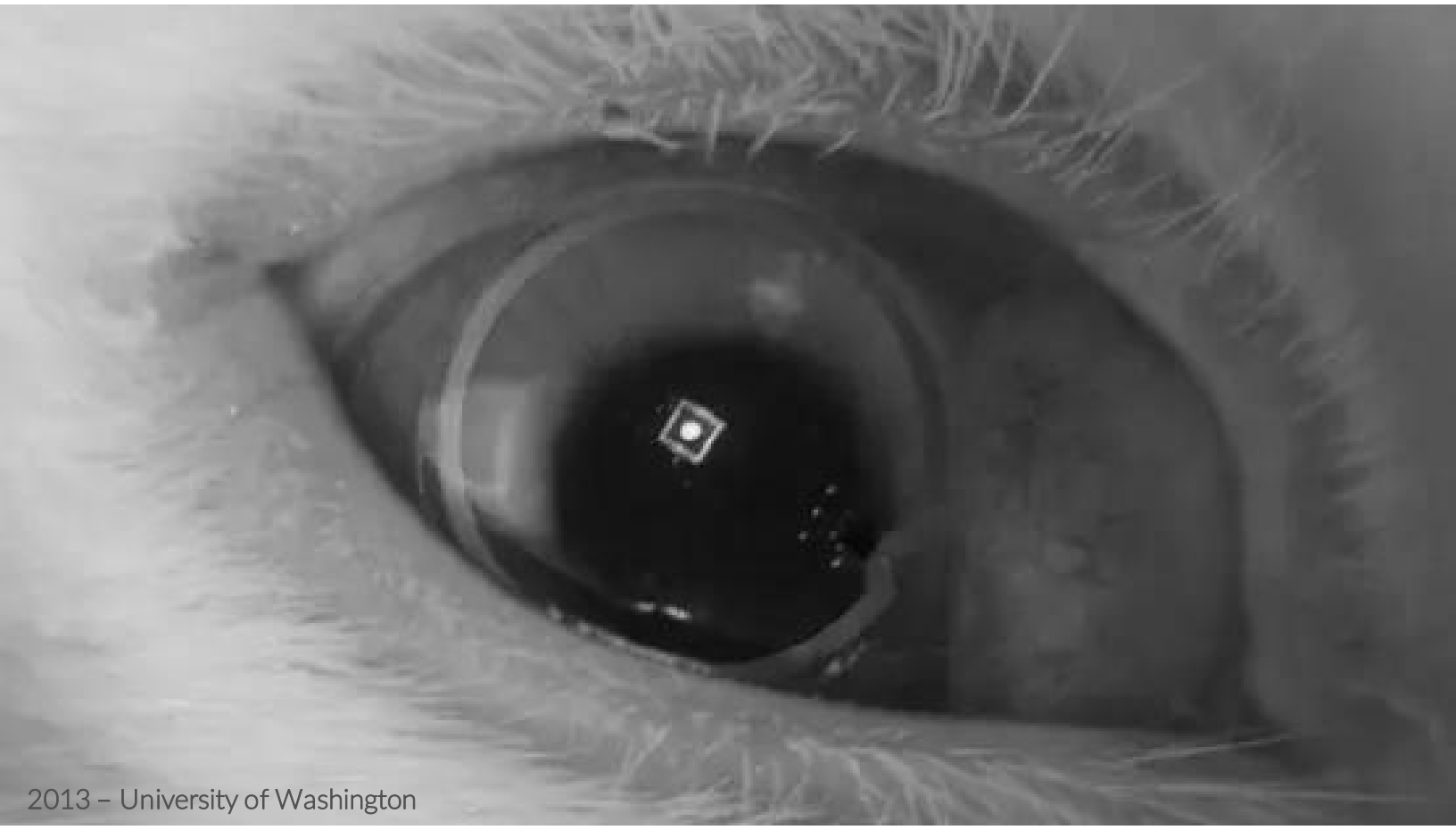
Apple Glass

Microsoft HoloLens 2

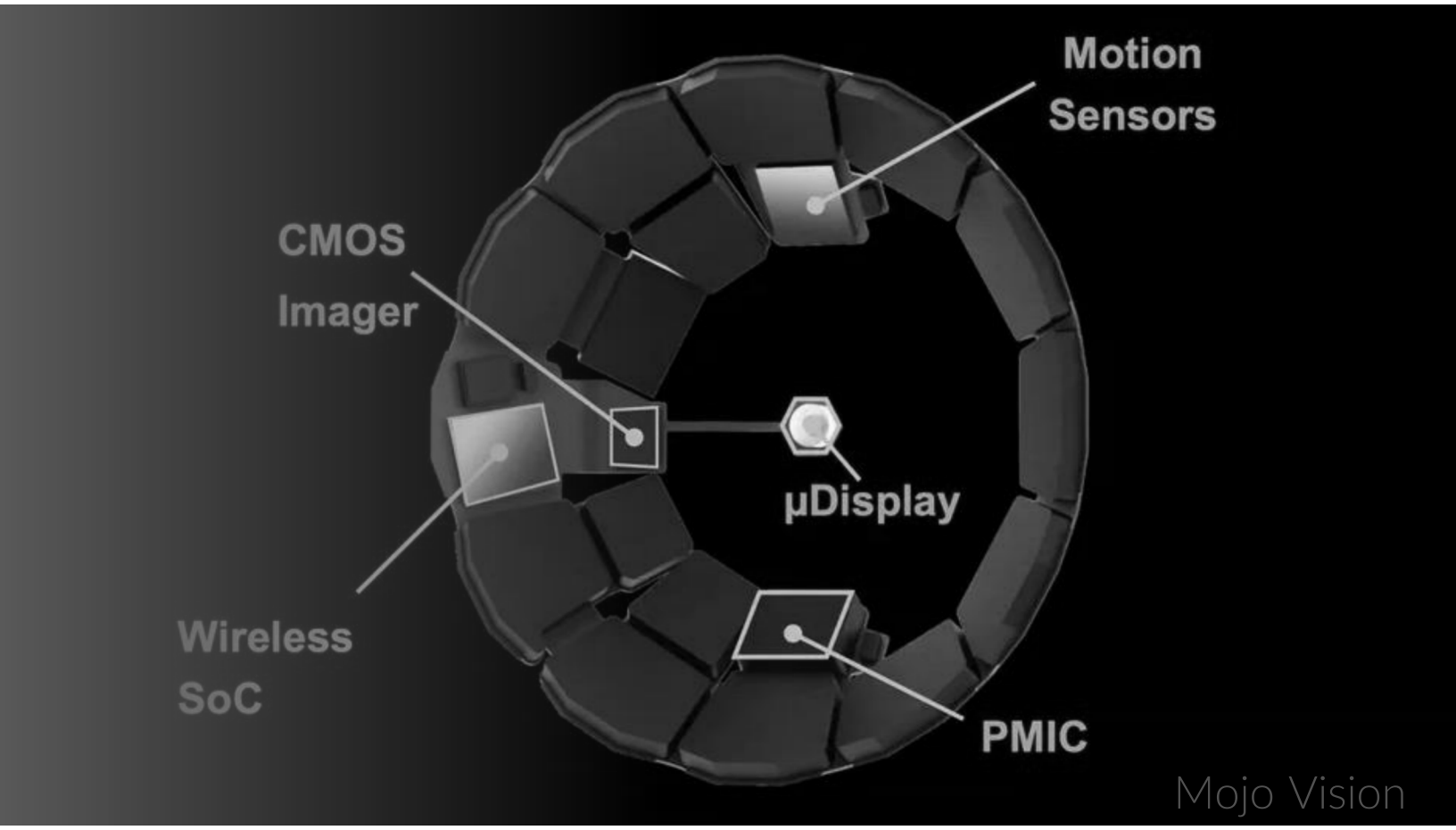
Oculus Quest 2

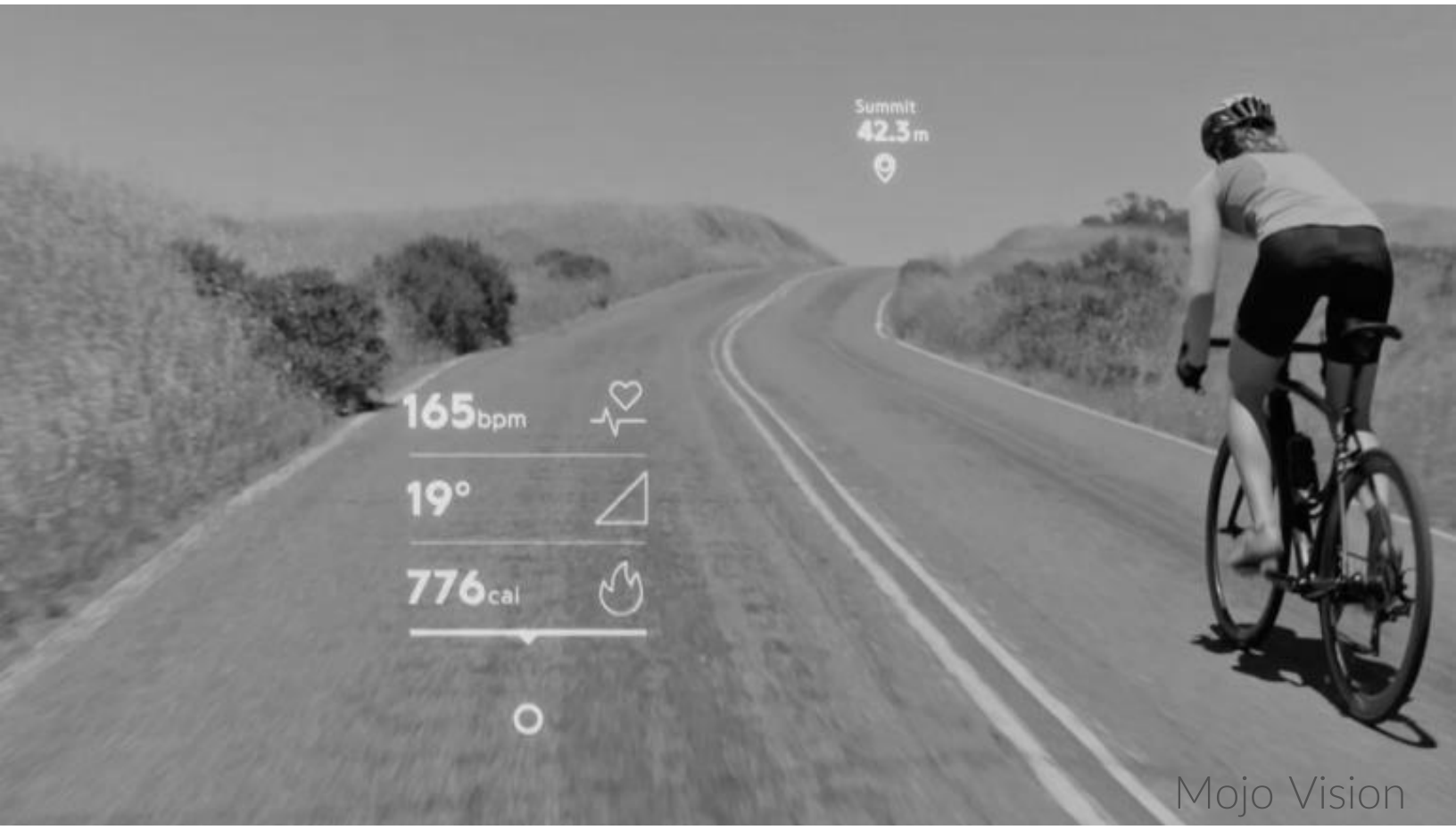
In-Eye Display



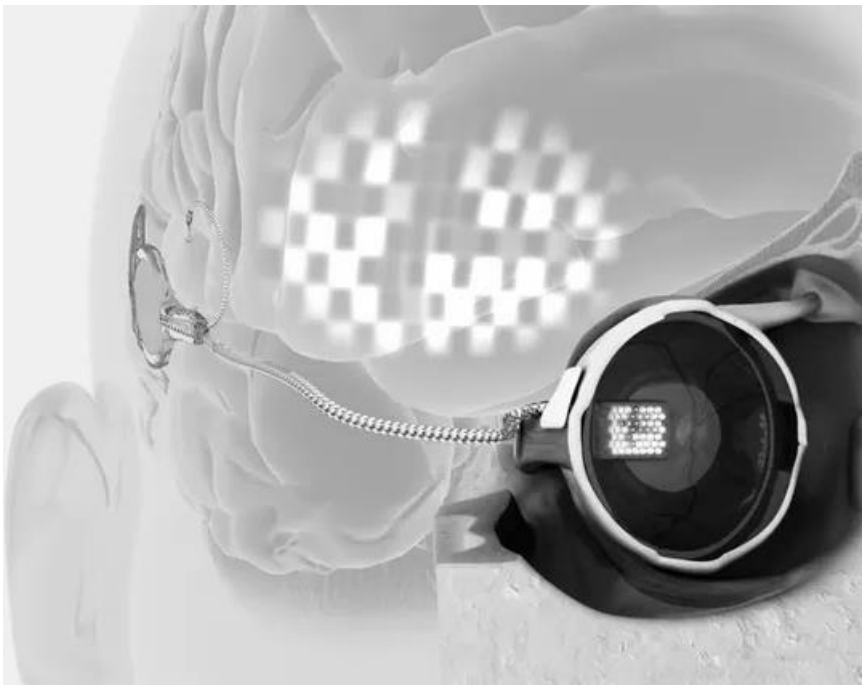


2013 – University of Washington


Motion
Sensors
CMOS
Imager
µDisplay
Wireless
SoC
PMIC
Mojo Vision

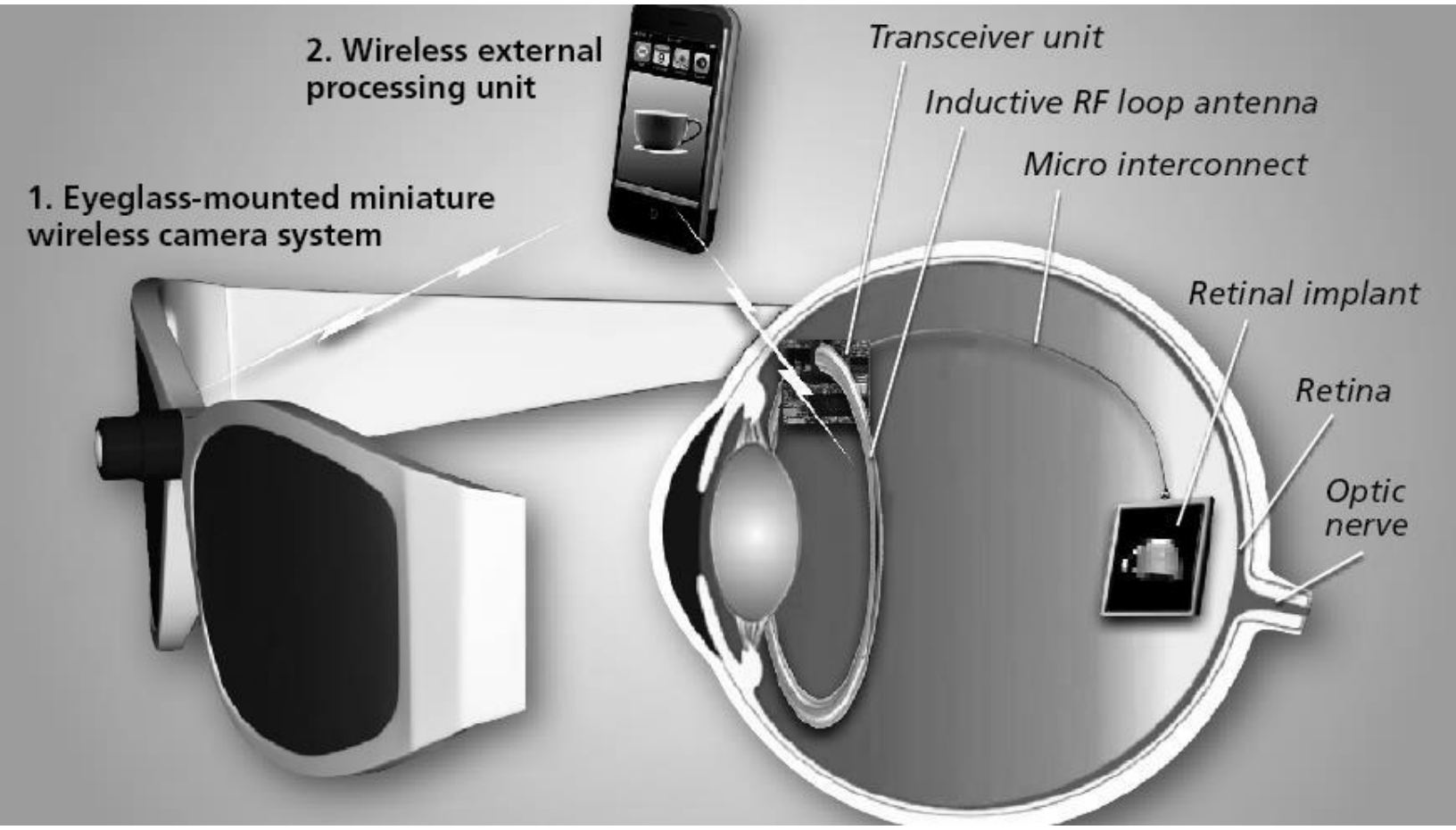

Summit
42.3m
165bpm
19°
776cal
Mojo Vision

Retinal Implants



University Clinic in Tübingen, Germany 2010

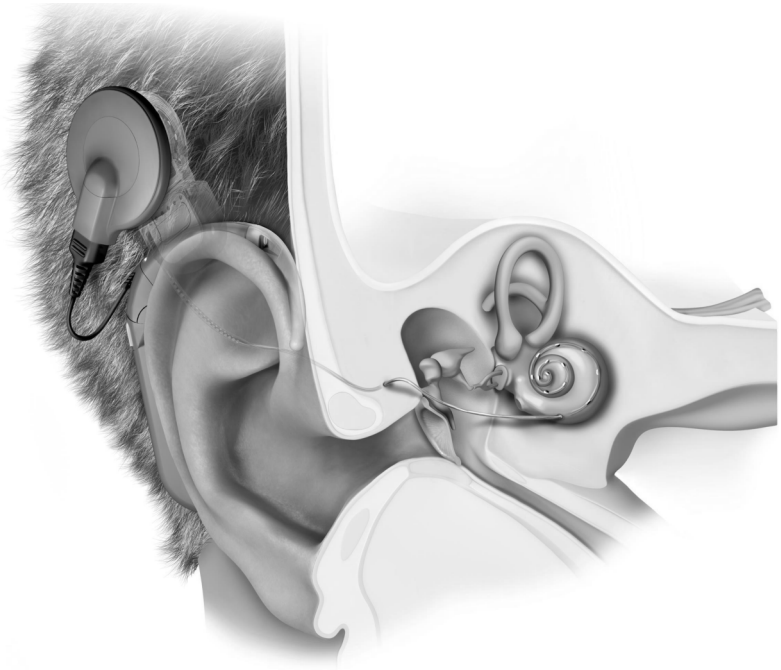
Argus II Retinal Prosthesis System 2016


2. Wireless external processing unit
1. Eyeglass-mounted miniature wireless camera system
Transceiver unit
Inductive RF loop antenna
Micro interconnect
Retinal implant
Retina
Optic nerve

Limb Augmentation

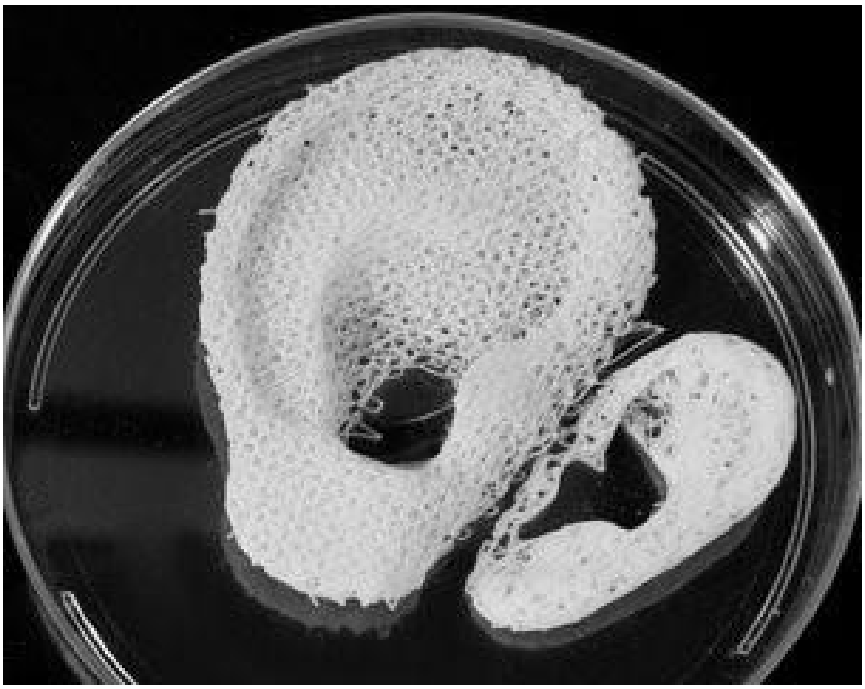
Open Bionics Hero Arm

Cochlear Implants

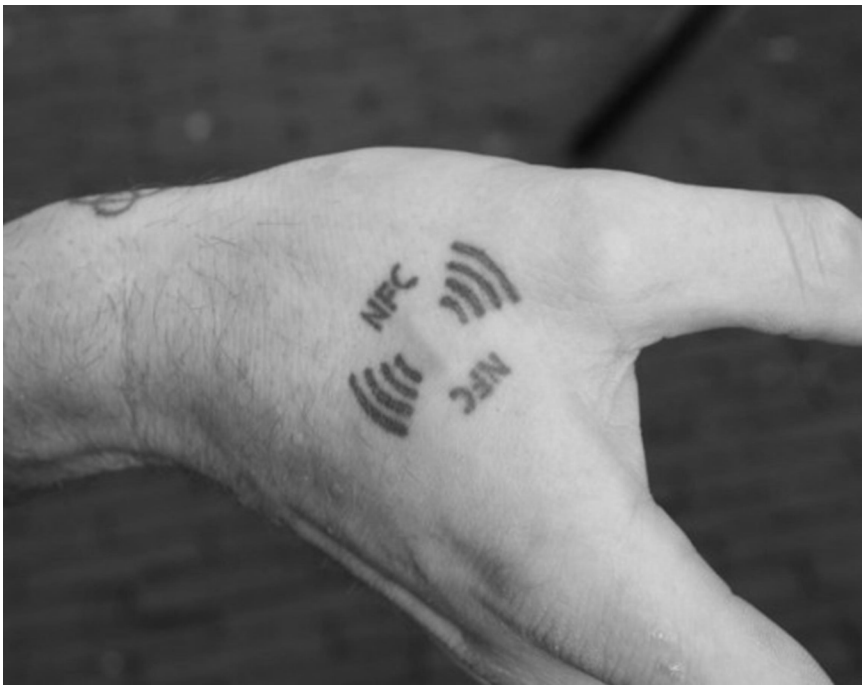


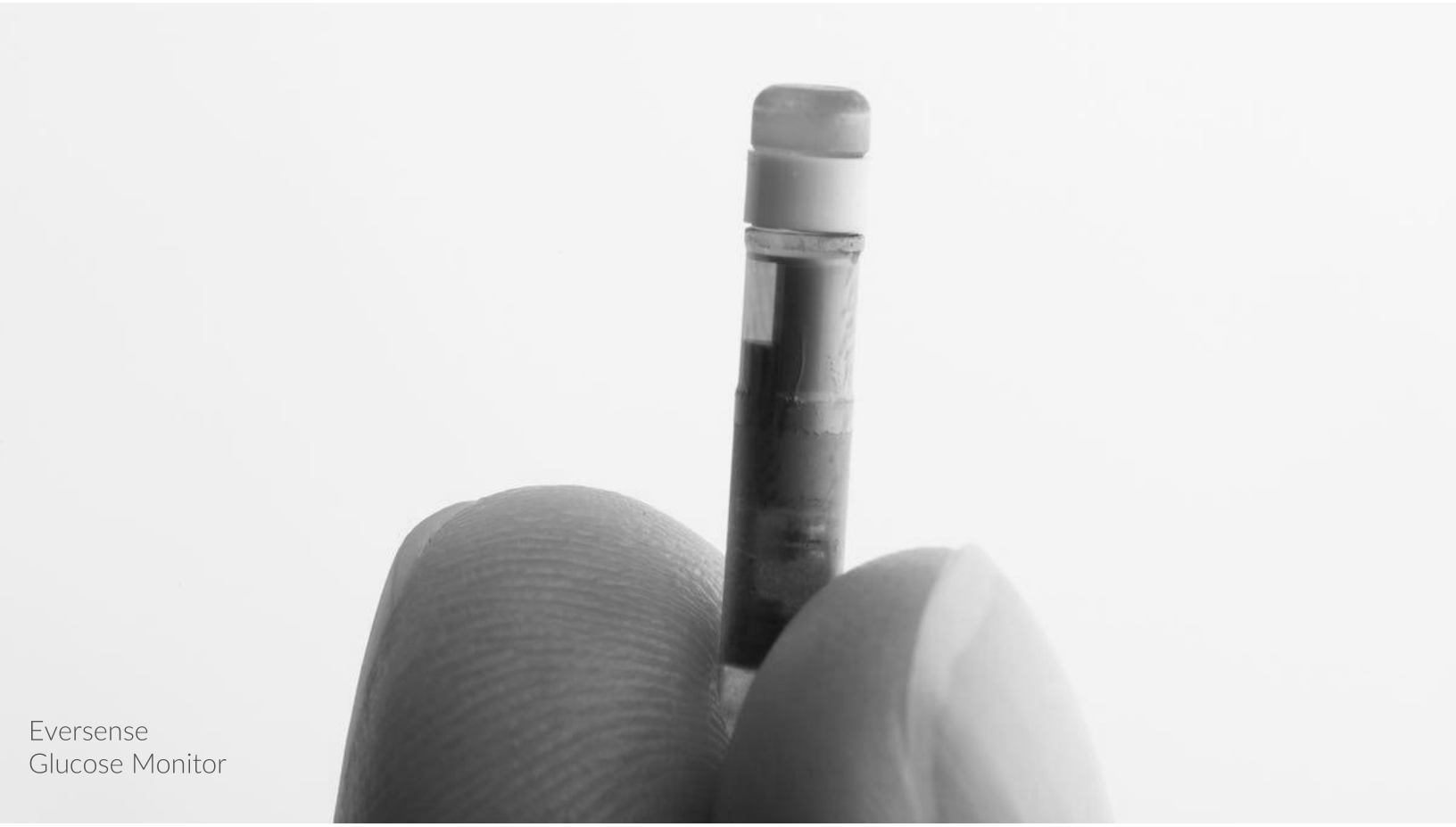
Waverly Labs Embassador

3D Bioprinting



NFC and Smart Health Implants





Eversense
Glucose Monitor

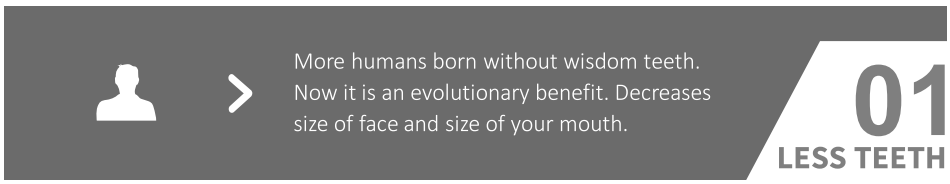
Neuropace
siezure prevention device

Fashion

Microevolution

WE’RE STILL EVOLVING -- ALL THE TIME

Recent Discoveries



Recent Discoveries

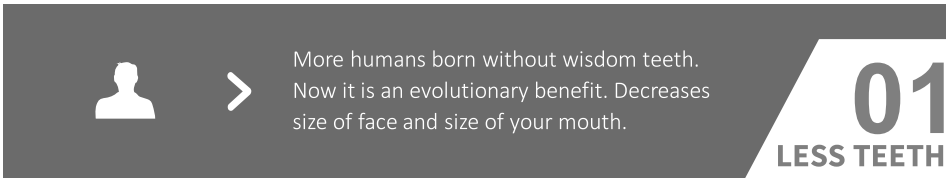
More humans born without wisdom teeth. Now it is an evolutionary benefit. Decreases size of face and size of your mouth.

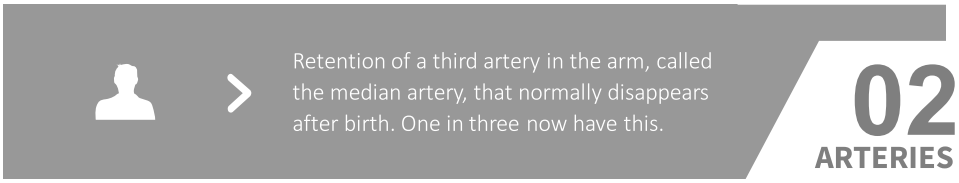
01
LESS TEETH

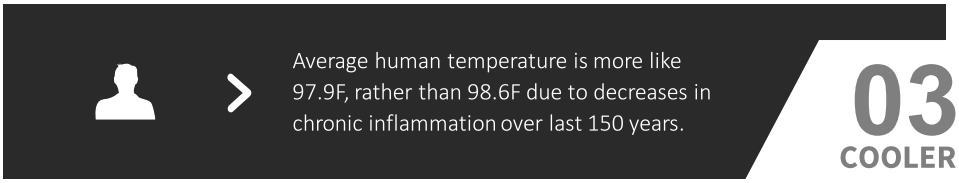
Retention of a third artery in the arm, called the median artery, that normally disappears after birth. One in three now have this.

02
ARTERIES

Recent Discoveries







OBJECTS IN MIRROR ARE CLOS
THAN THEY APPEAR

We are Evolving To Adapt