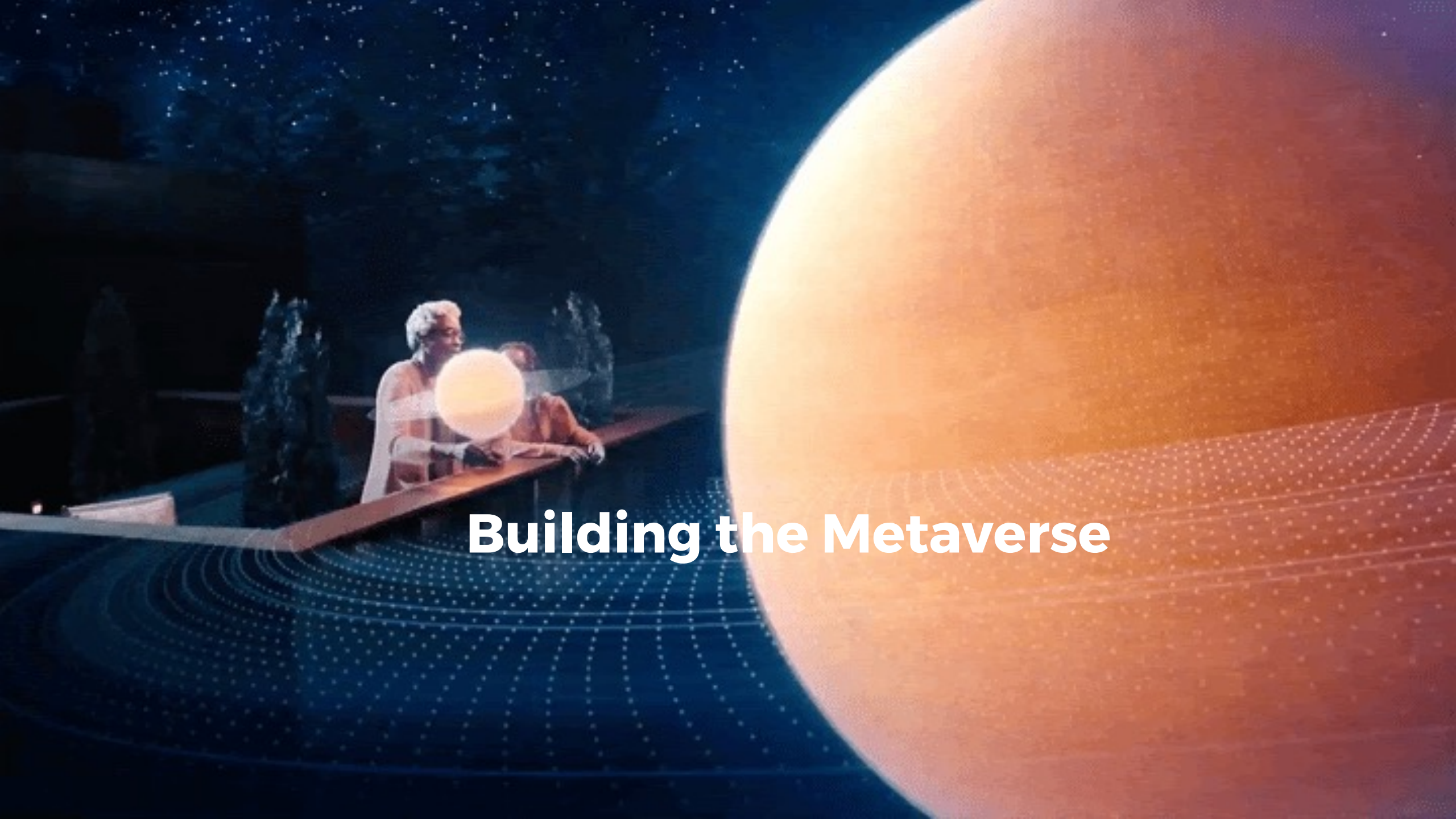

Building the Metaverse

Physical world

#ROADTRIP
55°F
43
Minutes
YOSEMITE
Augmented reality

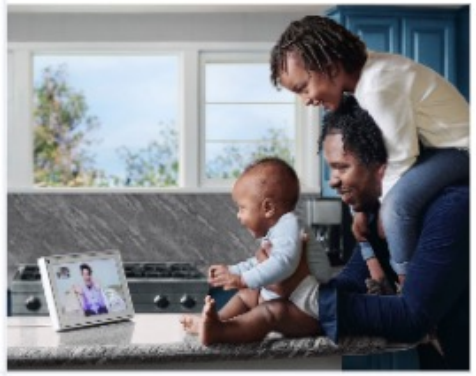
Virtual reality

"The metaverse will provide a persistent, synchronous environment where people can be together—a hybrid between the social platforms that we see today, but an environment where you're embodied in it."

"It's going to be accessible across all of our different computing platforms: VR and AR, but also PC, mobile devices and game consoles."

Mark Zuckerberg
President and CEO, Meta

Technology



Portal

Become a leader in **building meaningful human connections** through the best of our technologies.

Quest

Evolve Quest from a gaming console to a **new kind of computer**, with the potential to transform the way 1 billion people **play, work and communicate**.

Spark AR

Augmented Reality

Spark AR is the world's **most used** augmented reality platform.

Smart Glasses

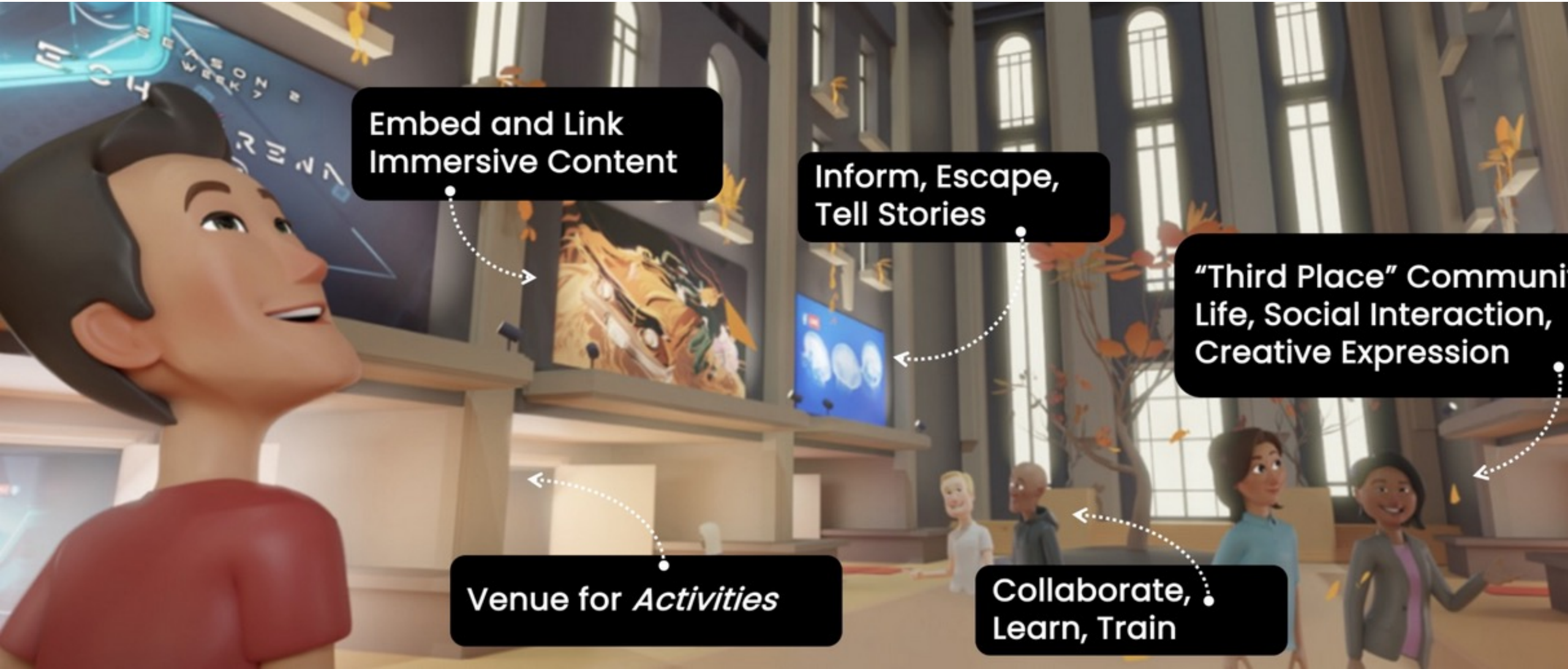
In partnership with Ray-Ban, we recently launched our **first generation of smart glasses,** our initial step toward AR glasses.

2 YEARS AGO

NOW

VR is not only about gaming

The metaverse is the next generation Internet
A place that will enable creators to deliver fully connected and immersive experiences



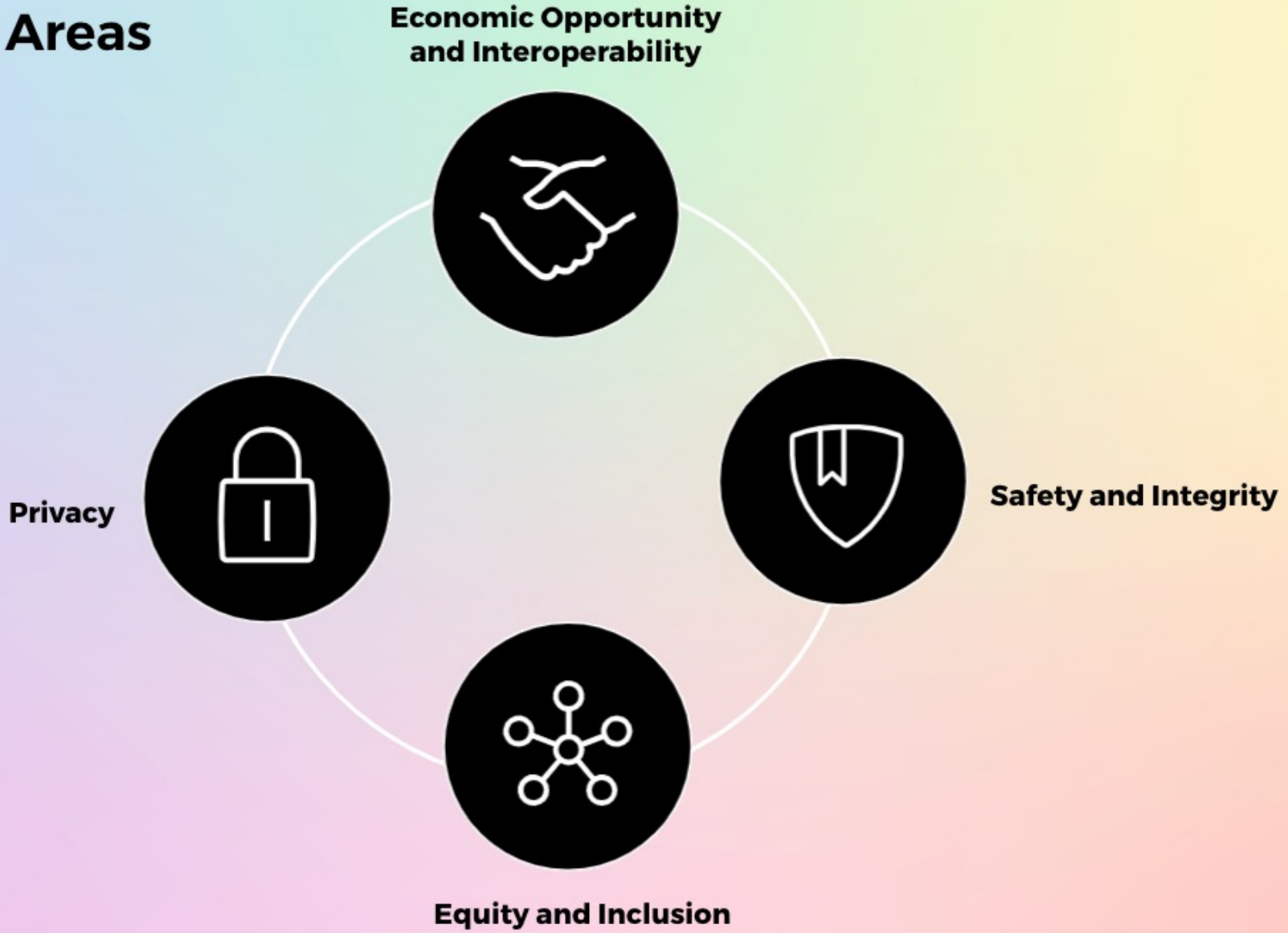
What It Will Take

- → **Standards development**
- → **Industrywide collaboration**
- → **Public conversations**
- → **Investment**

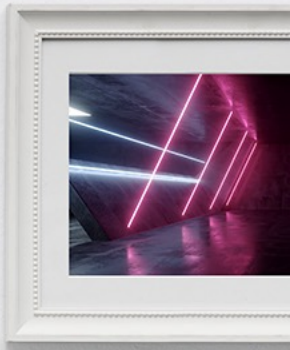
$50 million investment in global research and program partners to ensure these products are developed responsibly

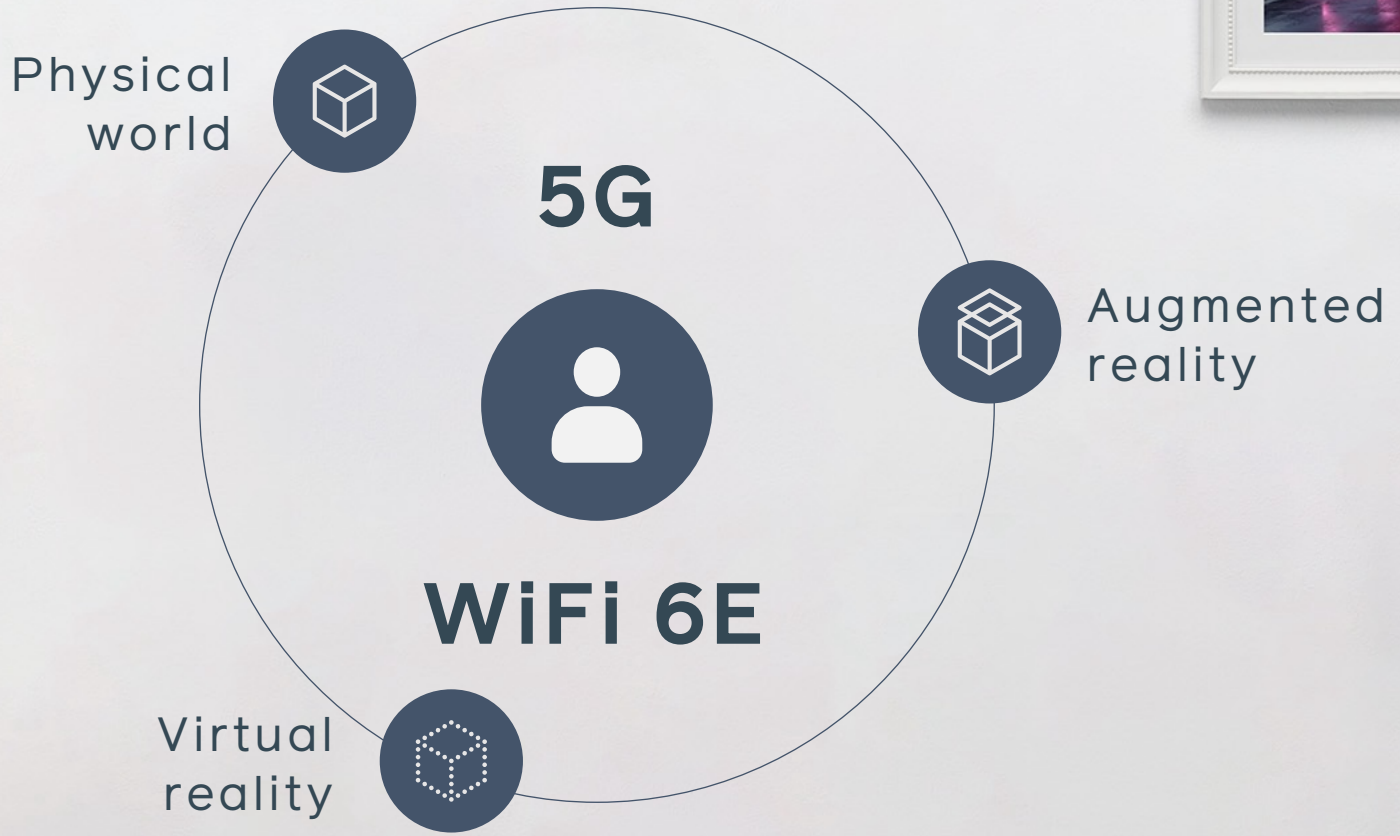
$10 million Creator Fund to encourage more people to come build with us as we continue to roll out Horizon in beta

Policy Focus Areas



Better Connectivity is key to build connections across worlds





Meta

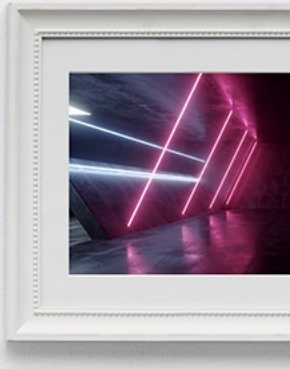
Meta

XR Wireless Challenges

AR and VR devices need to operate at **speeds acceptable for the human brain**

Single digit and low double digit **millisecond values are required** to avoid uncomfortable experiences, enable realism and long usage without side effects

As we go to the cloud or split compute architectures, this becomes an **E2E challenge to be solved at device, network and infra level**



Best Connectivity will be enabled with 5G and Wi-Fi 6E

As said AR\VR devices will benefit largely of the **high bandwidth** and **low latency** advantages of **5G** and **Wi-Fi 6E and 7** (6 GHz)

VLP (Very Low Power) for Wi-Fi in the 6 GHz band will be essential to enable a new category of interconnected devices providing new **“superpowers”** to the user

6 GHz will also bring the new “Wi-Fi highways” through a large number of **80 and 160 MHz channels**, futureproofing the spectrum to support future traffic increases

Meta

The World is already embracing 6 GHz

Many countries and regions are already moving ahead with the adoption of 6 GHz

Vendors already have solutions ready to be implemented in our product and enable incredible new experiences

Let´s harmonize! 1200 MHz of the 6Ghz band will benefit users and markets in traversing to the Metaverse

It's great to see that more new regions are moving ahead to!!

Meta

Questions?