

# Interconnecting Realities

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A dark blue world map serves as the background for the infographic. The map is centered and shows the outlines of continents. Overlaid on the map are three key statistics in white text.

20

Origin Datacenter Regions

80+

Edge PoP Markets

7,000+

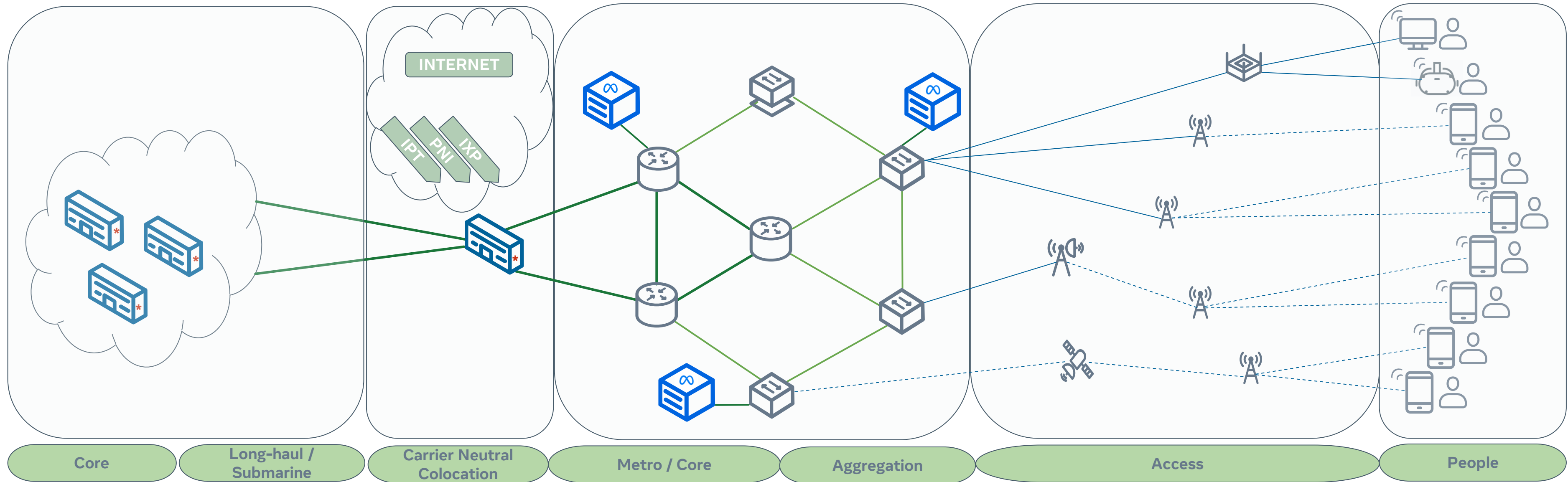
In-network Appliances

# The Edge of Tomorrow

- New immersive experiences require traffic delivery at the Edge be optimized for GPU compute streamed from close proximity to client devices at scale.
- Meta is working with partners on industry-wide evolution in how and where Communication Service Providers (CSPs) can interconnect.
- We have improved data driven analysis for determining optimal Edge placement and market development opportunities.

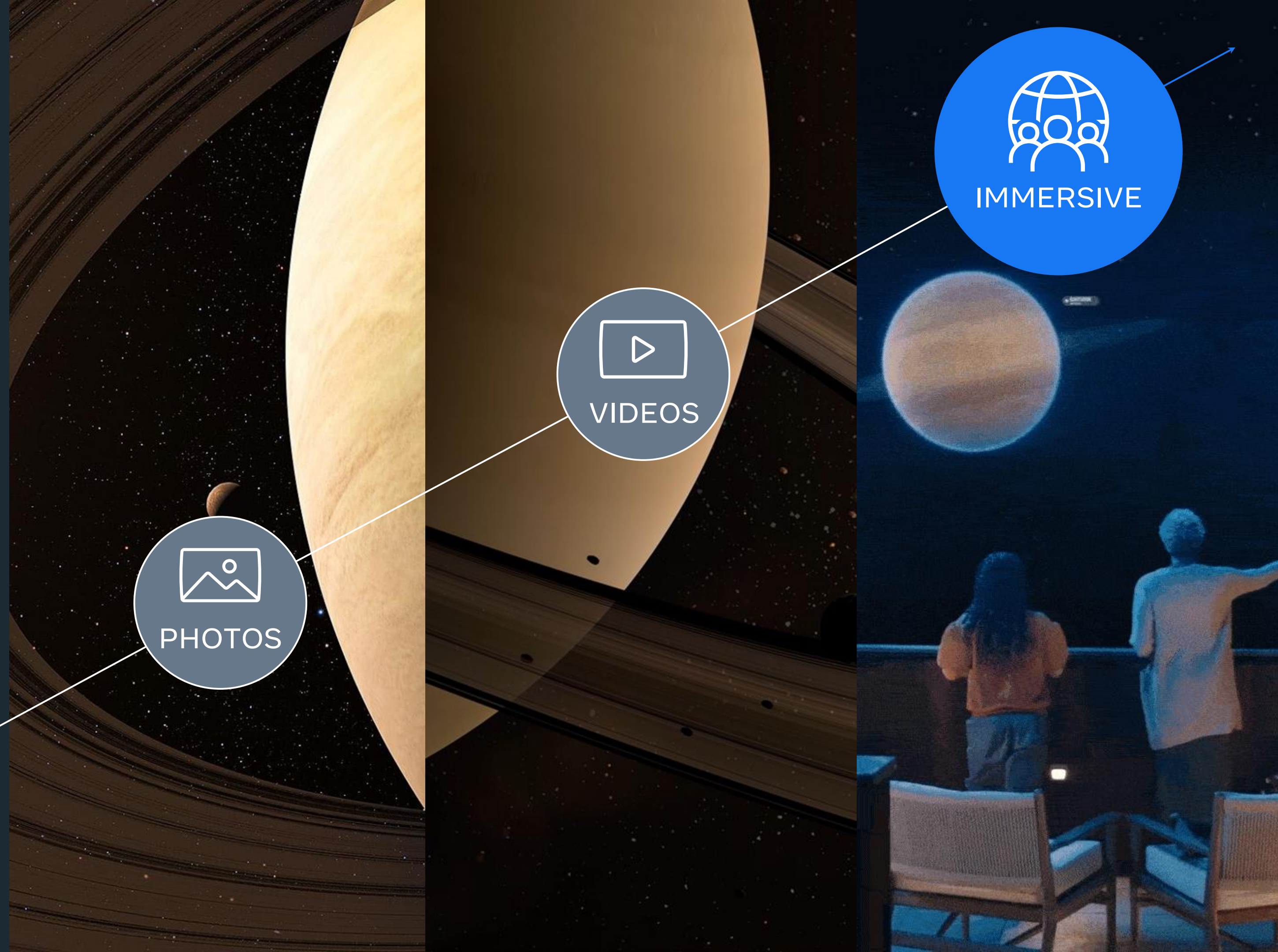
# Content Coverage

Connecting Meta with People



- All sessions terminate on Edge
- MNAs talk to Edge, Edge talks to DCs
- Placement of Edge is a major factor in Quality of Experience





# Different experiences have different **latency** requirements

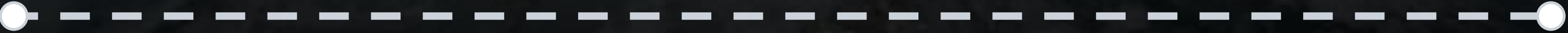


~150ms

~70ms

~50ms

~25ms

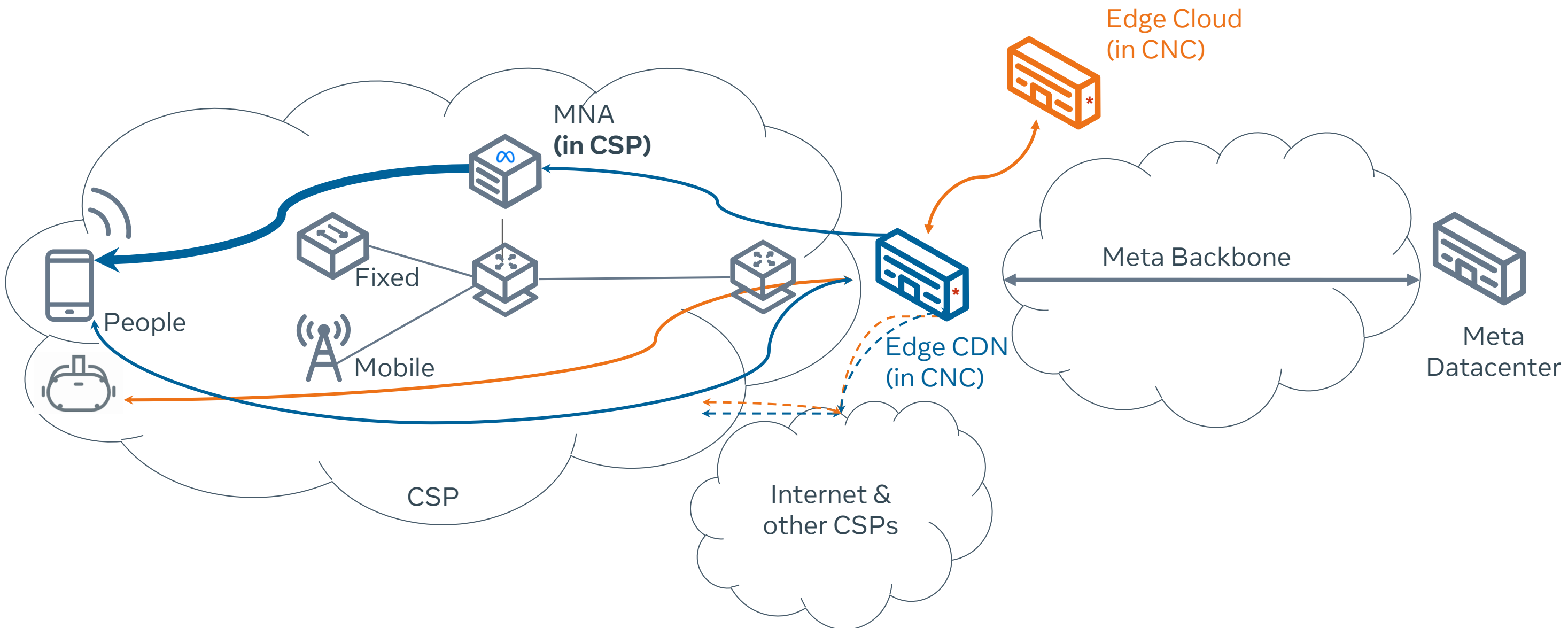


Highest

Network RTT

Lowest

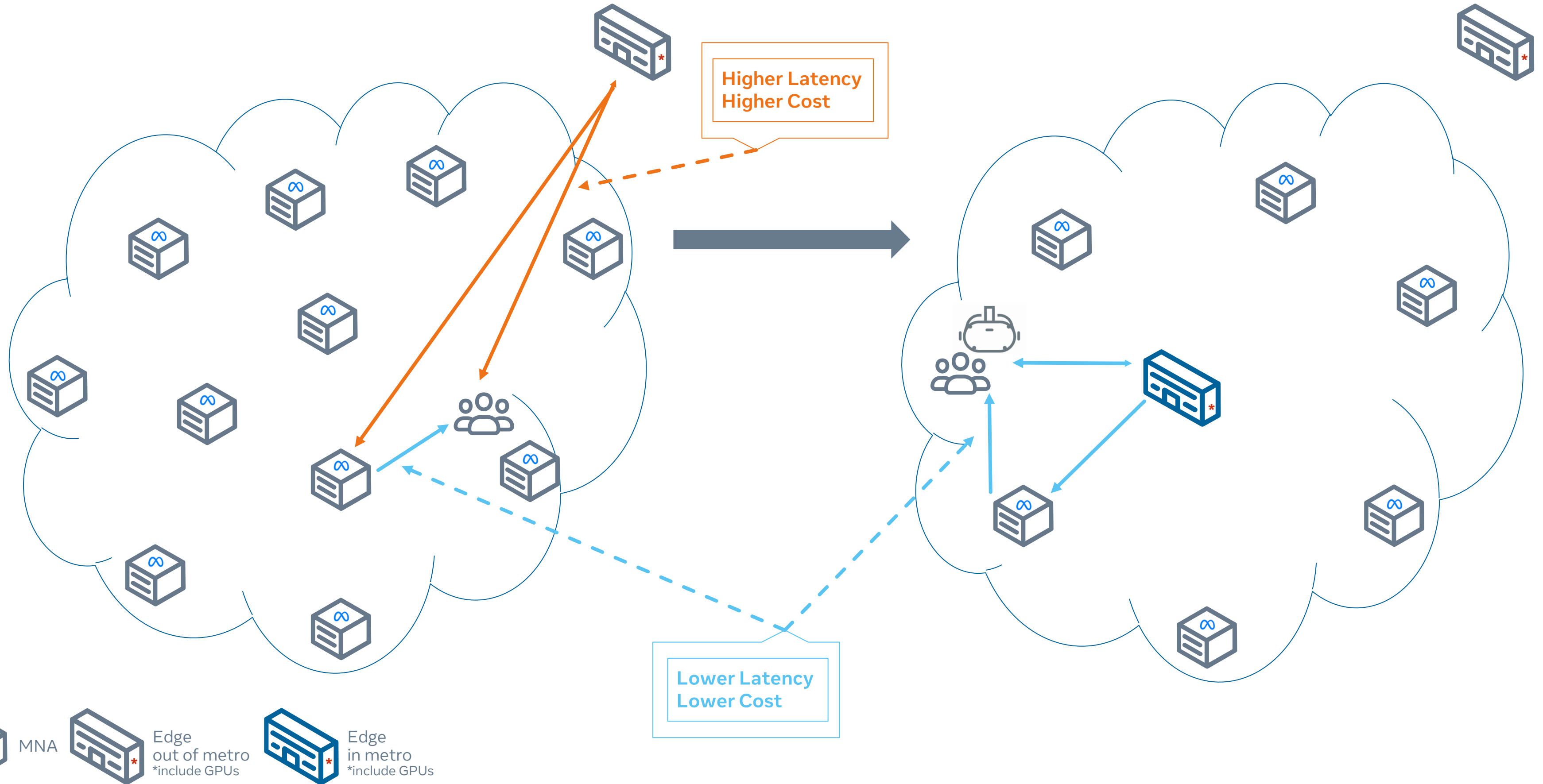
# What problem are we solving?



- Edge Compute vs Edge CDN
- Caching still important but can't solve this problem
- Requirement to bring PoPs closer to people

# Better for Everyone

Infrastructure optimization with improved QoE

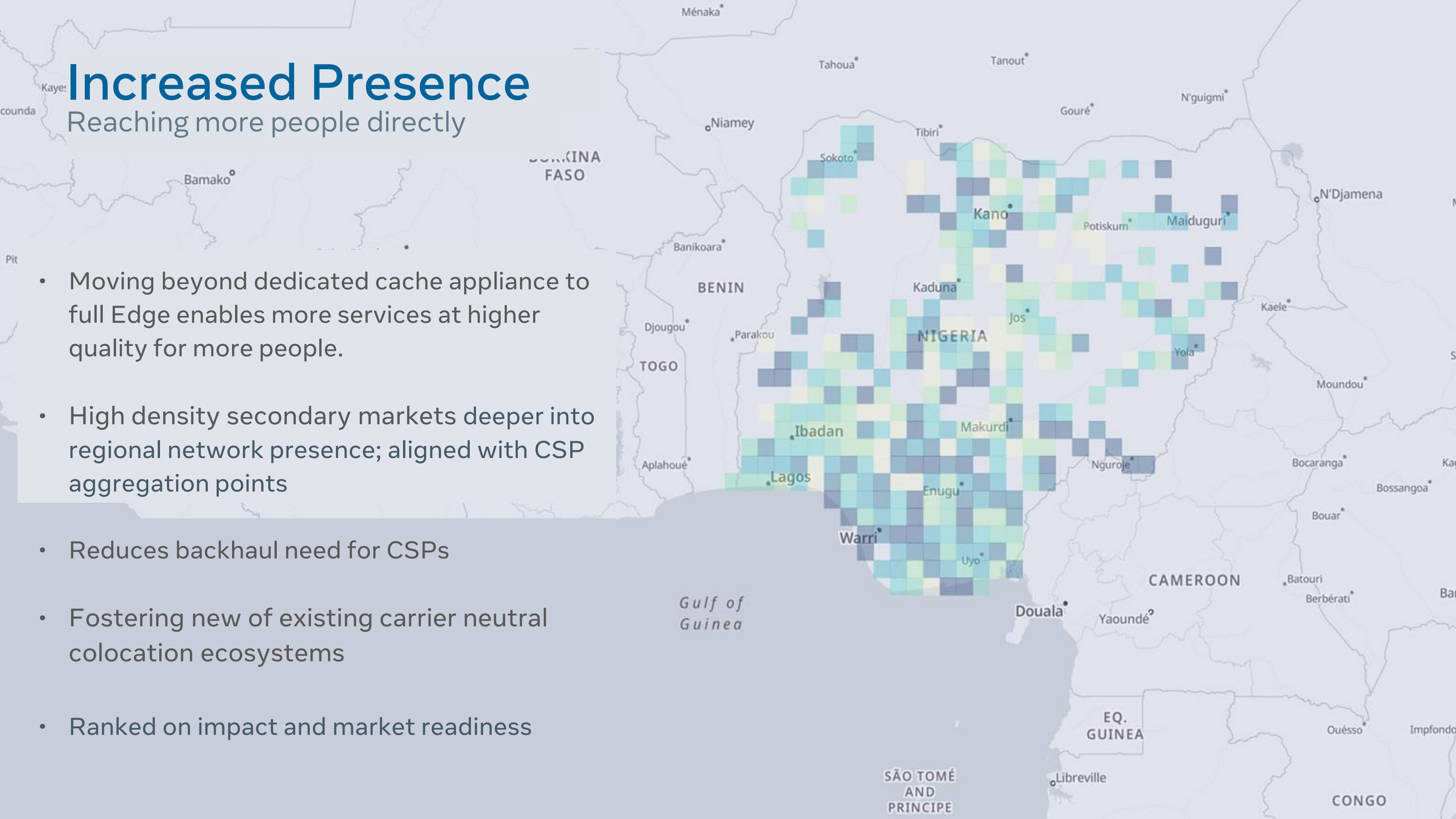




# Increased Presence

Reaching more people directly

- Moving beyond dedicated cache appliance to full Edge enables more services at higher quality for more people.
- High density secondary markets deeper into regional network presence; aligned with CSP aggregation points
- Reduces backhaul need for CSPs
- Fostering new of existing carrier neutral colocation ecosystems
- Ranked on impact and market readiness



# Moving Beyond Existing Peering

- Decentralization of Interconnection.
- Decrease dependence on large interconnection hubs.
- Future use cases drive higher bandwidth and lower latency, each with their own scaling challenges.
- Enable additional IP interconnection markets.
  - Underserved and tertiary markets.
  - Neutral colocation options remain critical.
  - Additional breakout and reach.

# What does this mean for our NG Edge

- Smaller footprint enables new markets
- Allows us to continue our Edge expansion across the country
- Compliment our planned mpMNA Deployments
- and...continue building further into the region



# Questions?

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