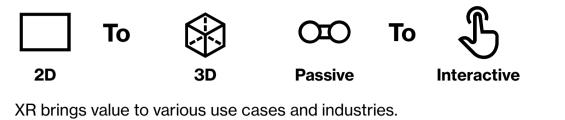
5G and the edge for immersive experiences

Verizon 5G Edge with AWS Wavelength enables you to create new realities

Immersive experiences drive excitement and engagement

Extended Reality (XR), which includes both Augmented Reality (AR) and Virtual Reality (VR), creates opportunities for new and innovative modes of interaction



Media & Tourism Entertainment Manufacturing (f)Retail Healthcare Gaming

Media & Entertainment

Engage sports viewers with interactive selection of player perspectives during games. Allow music fans to stream 3D volumetric video streams from a venue, increasing fan loyalty.

Gaming

Improve gaming experiences through fully-immersive 3D gaming with near real-time interactions.

Manufacturing

Reduce downtime with AR-guided operations, maintenance, and equipment repair.

Retail

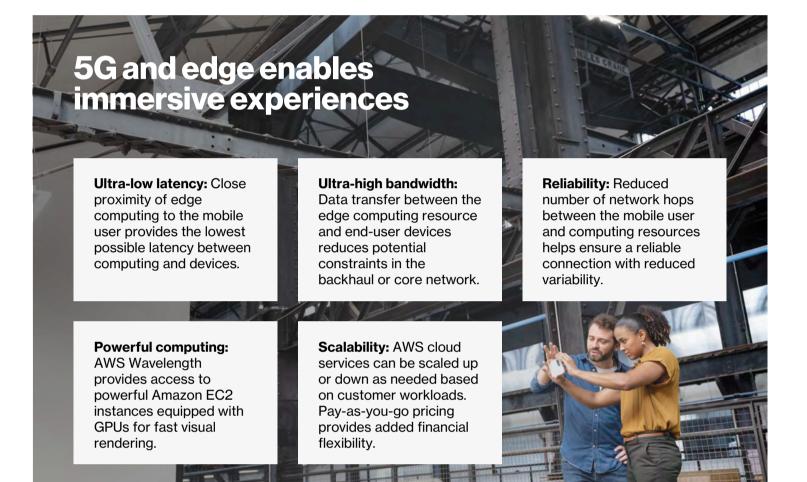
Increase sales with interactive product engagement and smart AR mirrors that enable virtual apparel try-ons.

Healthcare

Improve health outcomes using interactive 3D pre-operative walkthroughs and enabling XRbased diagnostic data visualization.

Tourism

Save time and money with virtual tours of exotic locations.



AR-enhanced ice hockey example

AR-enabled app to see player-specific performance statistics overlaid on live action: distance traveled on ice, number of passes attempted and completed, overall performance rating. This leads to increased engagement, loyalty, and improves future monetization.

Without 5G and edge computing:

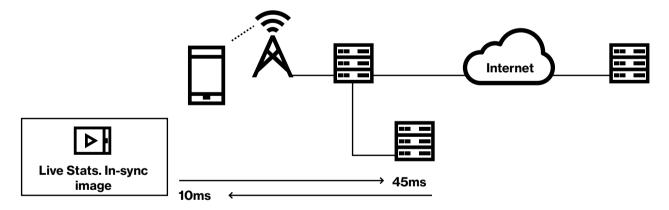
- 85 msec round-trip latency*
- Out-of-sync overlay results in bad experience



With 5G and edge computing:

- 55 msec round-trip latency (35% reduction)*
- In-sync overlay with enhanced experience

* Based on Verizon internal tests



Immersive experiences using Verizon 5G Edge with AWS Wavelength

Explore how fast and reliable mobile technologies coupled with strategicallylocated edge computing resources can bring immersive experiences to enterprises and consumers everywhere.



AWS Wavelength is located with Verizon's 5G mobile core, providing the lowest latency and most reliable access to cloud computing that XR apps require.



AR and VR apps can use Verizon Edge Discovery Service (EDS) in near real-time to find the closest AWS Wavelength instance.



Full-access to rich computing resources enables intelligent transformations and transcoding of near real-time immersive videos.



Verizon 5G Edge is protected from direct internet access and relies on secure mobile identity management, providing increased security.



Developers can use familiar AWS console, APIs and AWS services for development, with access to GPU-enabled EC2 instances for intensive graphics computing needed by XR.



Edge-based immersive applications can continue to process data even if upstream network connections are down, improving network resiliency and application uptime.

Get started.

Verizon 5G Edge with AWS Wavelength delivers interactive experiences with a smaller onsite footprint, a lower starting cost, pay-as-you-go pricing, and comes with a large ecosystem of developer and professional services support.

Learn more

verizon.com/5gedgeawswavelength



