

«Un piccolo passo per
l'uomo, un grande
passo per l'umanità»



XR Technologies to improve Aerospace Quality and Safety



Che cosa sono le tecnologie XR?

AR

Augmented Reality

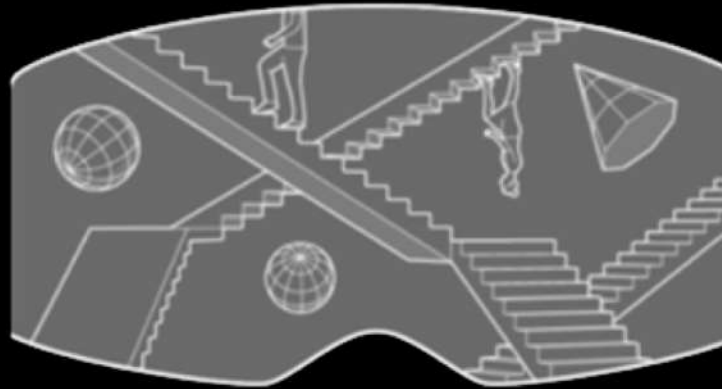
Contenuto visualizzato sopra alla realtà



VR

Virtual Reality

Contenuto completamente digitale

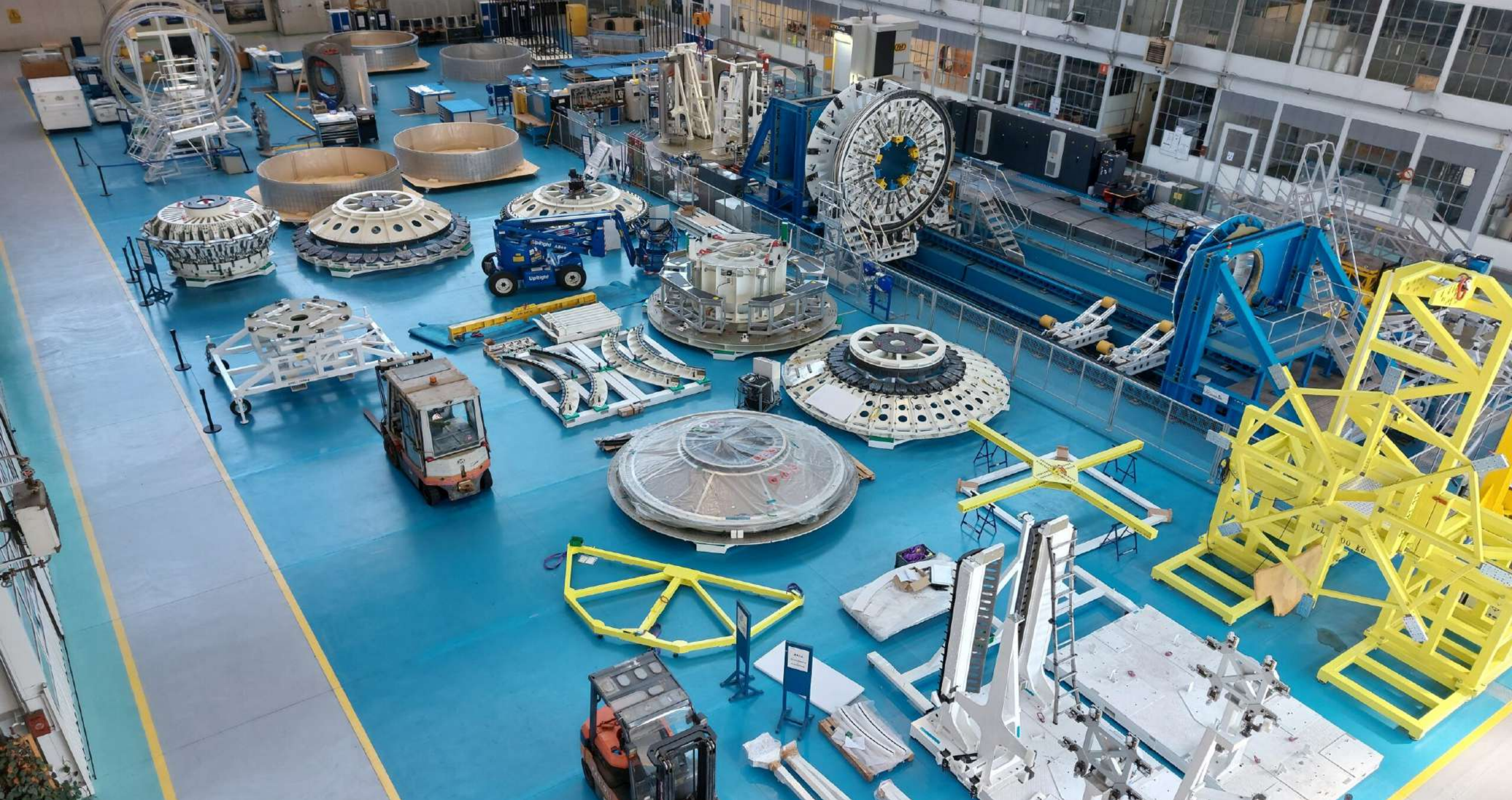


MR

Mixed Reality

Contenuto visualizzato immerso nella realtà





Quando si possono utilizzare queste tecnologie?

Complex Assemblies

Training

Monitoring

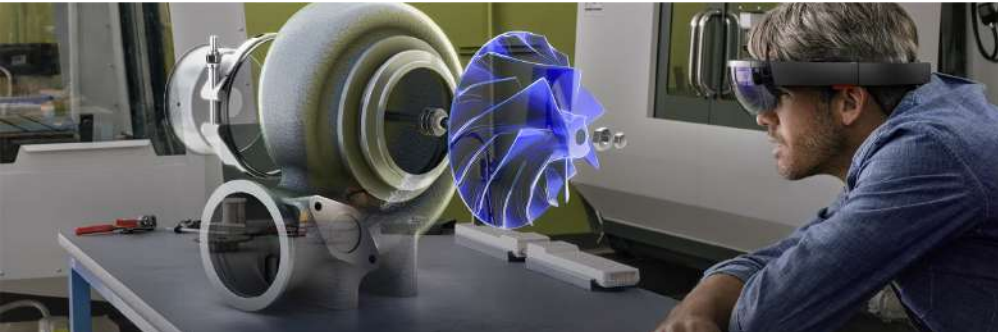
Quality Assurance

Customer Support

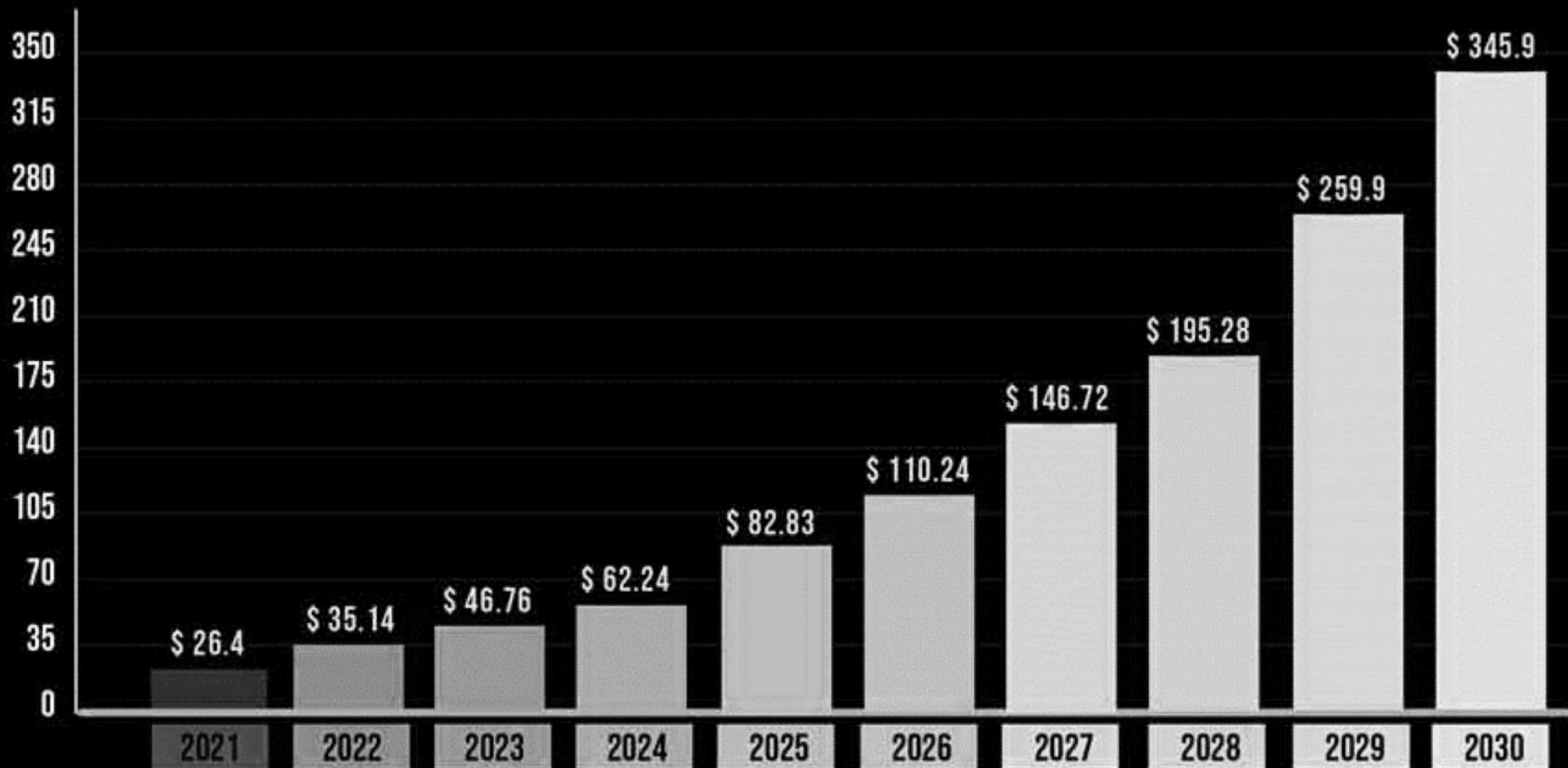
Logistics

Design & Development

Maintenance and Repair

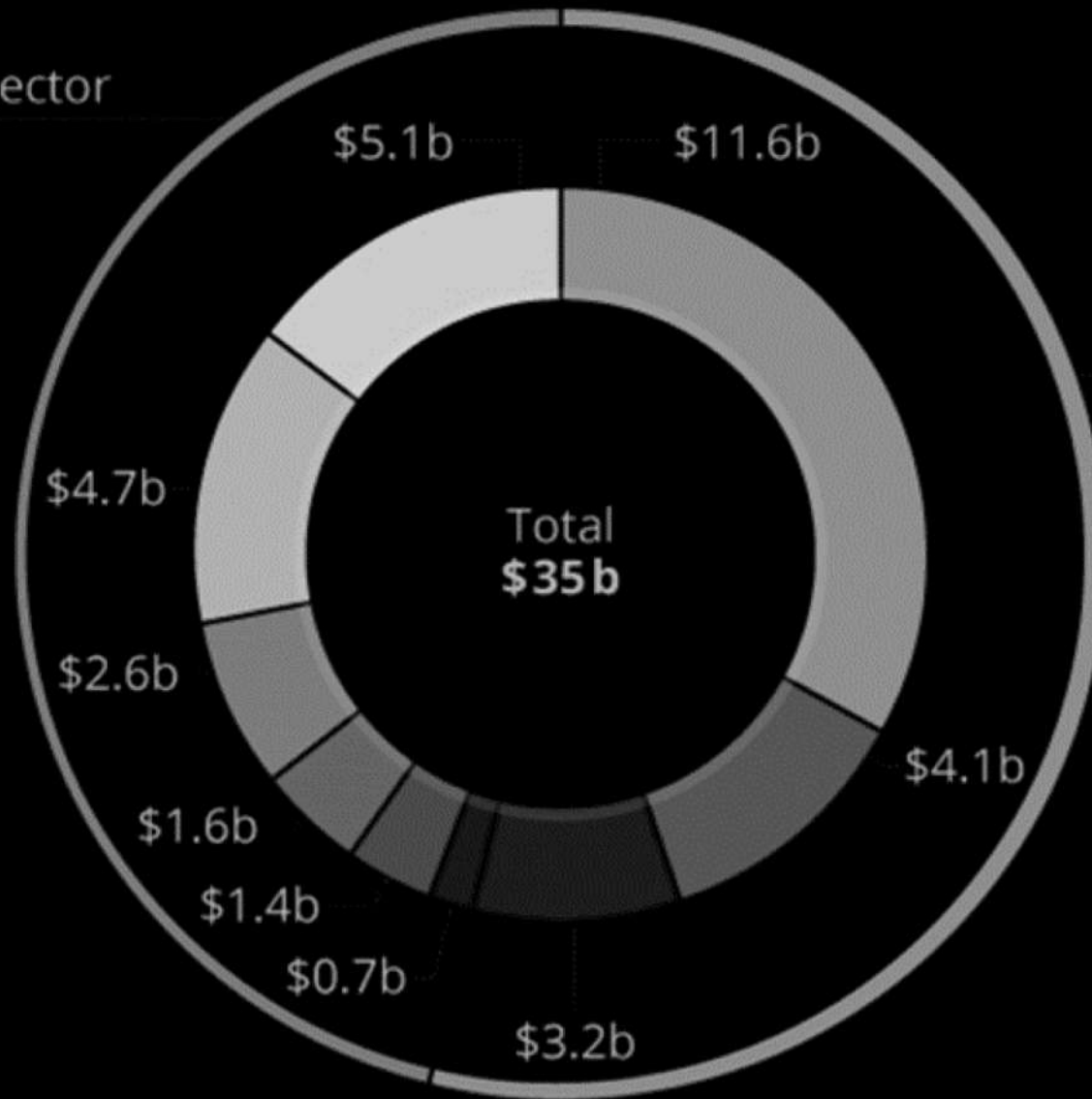


EXTENDED REALITY MARKET SIZE, 2021 TO 2030 (USD BILLION)



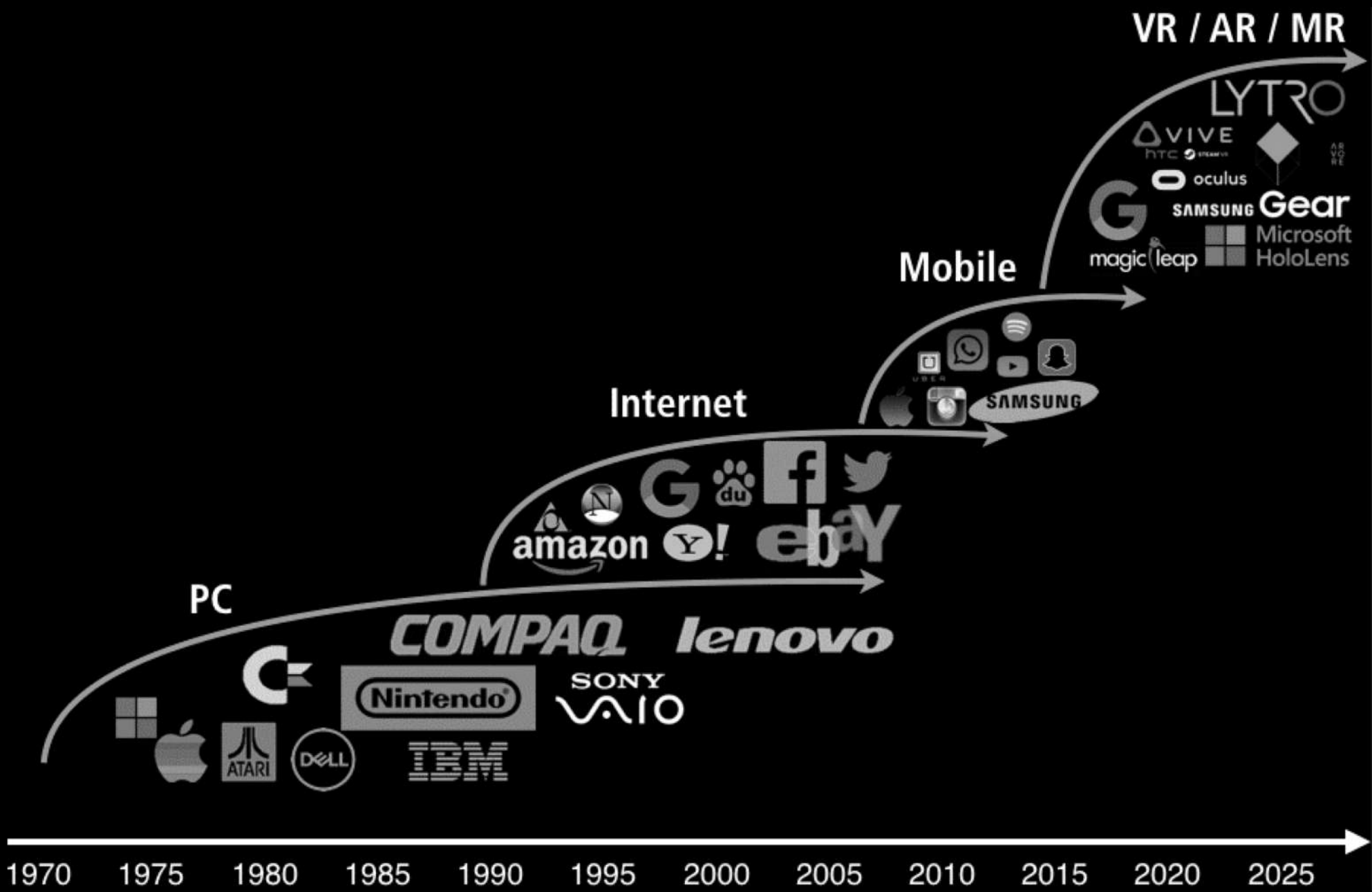
Enterprise and public sector
\$16.1b

- Healthcare
- Engineering
- Real estate
- Retail
- Military
- Education



Consumer
\$18.9b

- Videogames ●
- Live events ●
- Video entertainment ●



Chi utilizza la XR?





Varjo XR-3



Photorealistic, true-to-life mixed reality powered by low-latency, 12-megapixel video pass-through.

The industry's highest resolution (over 70 ppd) and the widest field of view (115°).

The widest-ever color gamut matches 99% with sRGB and 93% with DCI-P3 color space for the most realistic scenes ever produced.

Depth awareness powered by LiDAR for pixel-perfect real-time occlusion and 3D world reconstruction.

Integrated Ultraleap hand tracking and integrated 200 Hz eye tracking for natural interactions.

Inside-out tracking (beta), offering flexibility for deployments without the need for base stations.



Cosa serve?

Asset 3D

Real-time
Engine

Logics

DEMO

Protocube Reply & LMA
Drone XR Pilot



TAKE AWAY

- L'XR crescerà di 10 volte in 8 anni
- La tecnologia oggi è molto più rapida, rimanere indietro...
- L'aerospazio abilita le tecnologie del futuro
- L'inserimento delle tecnologie richiede un piano e programma strutturato
- «è costoso, non serve e l'abbiamo sempre fatto così», i nemici del progresso!

Grazie!