



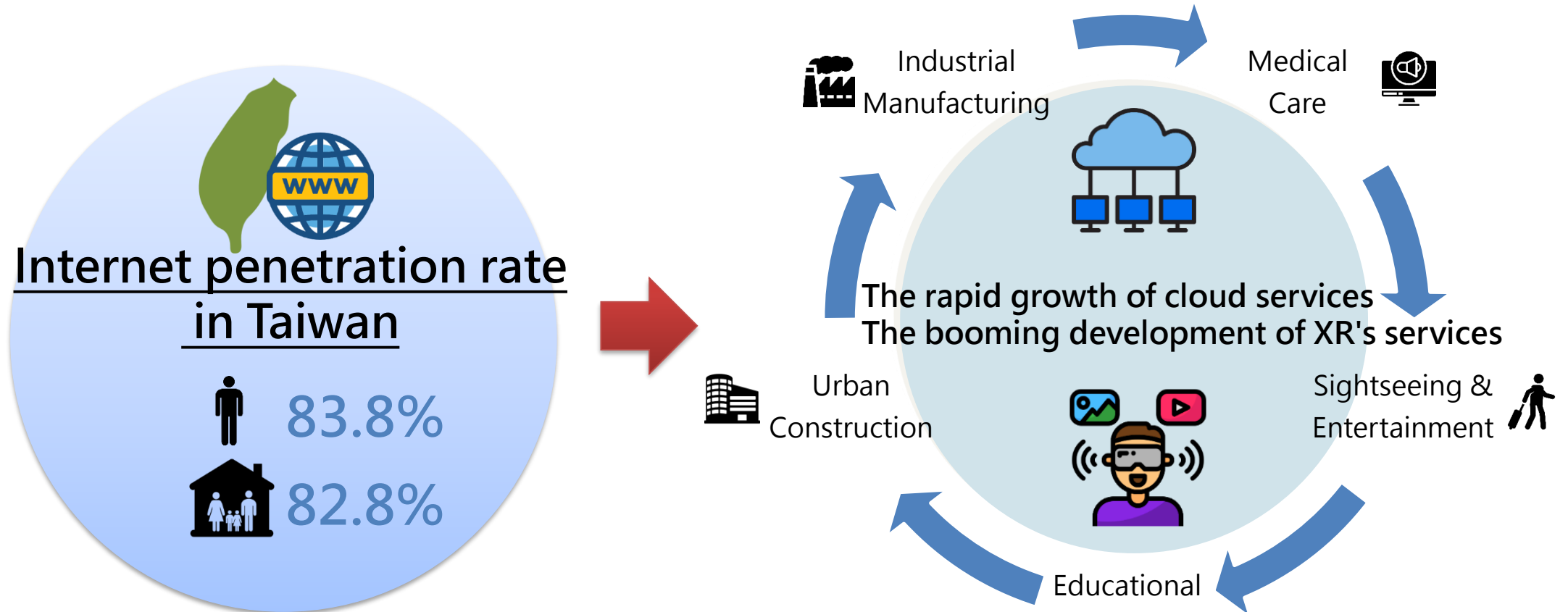
# The booming development of Taiwan's XR industry

Data Communications Business Group, Chunghwa Telecom  
Peter Chiu



台灣雲端物聯網產業協會  
Cloud Computing & IoT Association in Taiwan

# Population of the Internet drives the growth of innovative services



Source : Taiwan Network Information Center, TWNIC 「2020 Taiwan Internet Report」





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# XR Collaboration

- COVID-19 has changed the life mode of human beings, and **cloud services** have played a greater role in the epidemic.
- Chunghwa Telecom has cooperated with major companies and combined the MR to create innovative services for the people.



Cooperated Sales  
of Cloud Services

Partners	 <b>Microsoft</b>	<b>XRSPACE</b>	
XR Device	HoloLens 2 MR Headset	MANOVA VR Headset	J7EF AR Glasses
Services	Smart Telemedicine	3D Virtual Community	Art and Culture Performances



Channel Promotion  
of Client Application

1



2



3





# Microsoft – Smart Telemedicine

- Microsoft is a strong partner of Chunghwa Telecom, whether in Azure cloud services, HoloLens, etc.
- HoloLens 2 is Microsoft's latest generation of MR headset, which is ergonomic and provides users with an immersive experience.

## HoloLens 2

Most **comfortable** and **immersive** mixed reality experience available

Largest **ecosystem** of 1<sup>st</sup> & 3<sup>rd</sup> Party mixed reality solutions

The **reliability, security,** and **scalability** of cloud and AI services from Azure



# Telehealth & TEN-CHEN Hospital



- Through HoloLens 2 and Azure solutions, [home medical teleconsultation](#) was realized in TEN-CHEN Hospital
- Doctors in hospital can [remotely grasp the patient's condition](#) and give consultation advice by the HoloLens 2 worn by home doctors
- The 3D anatomical structure model image can also play a role in [health education](#)



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# XRSPACE – 3D Virtual Space Solutions

- XRSPACE builds the MANOVA all-in-one VR headset and establishes a 3D VR community. Users can participate in various [activities linked to the real world in this 3D virtual world](#).
- Enterprise customers can successfully promote products or services through this solution.





# CHT Press Event For Tokyo 2020 Olympics



- For the Tokyo Olympic Games broadcast, Chunghwa Telecom adopted XRSPACE's 3D Virtual Space Solutions to hold an online **VR press conference in the virtual world**, and invited major media to participate in this grand event.



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中華電信  
Chunghwa Telecom



奧運線上VR記者會



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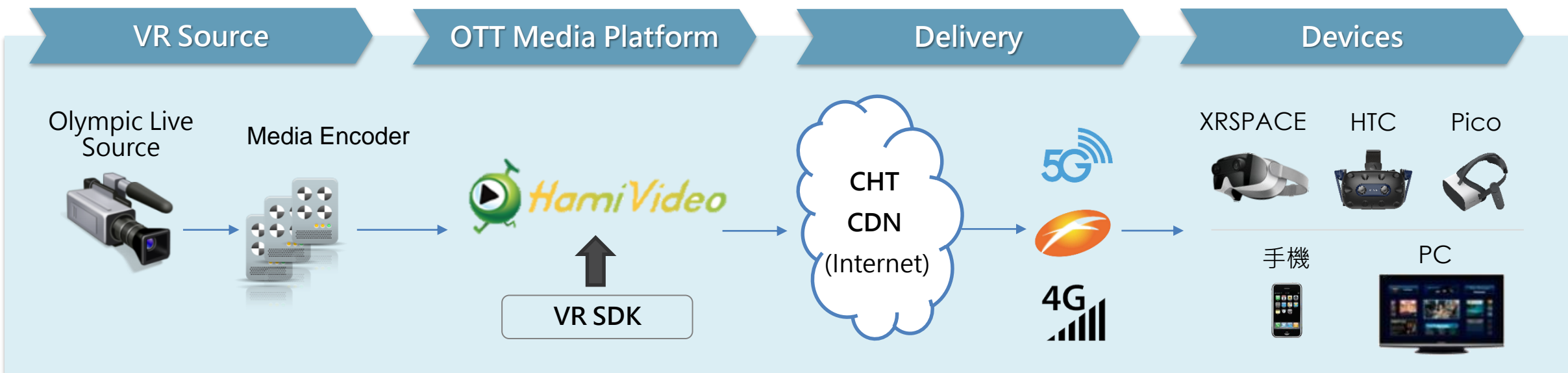
中華電信  
21/7/23-8/7/23  
看MOD / Hami Video





# Chunghwa Telecom Tokyo Olympics VR broadcast (1/2)

- The [first Olympic VR broadcast in Taiwan](#), providing users with an immersive experience of watching games.
- Through Chunghwa Telecom Hami Video platform, users can use VR headsets and other devices to watch the Tokyo Olympic Games broadcast.

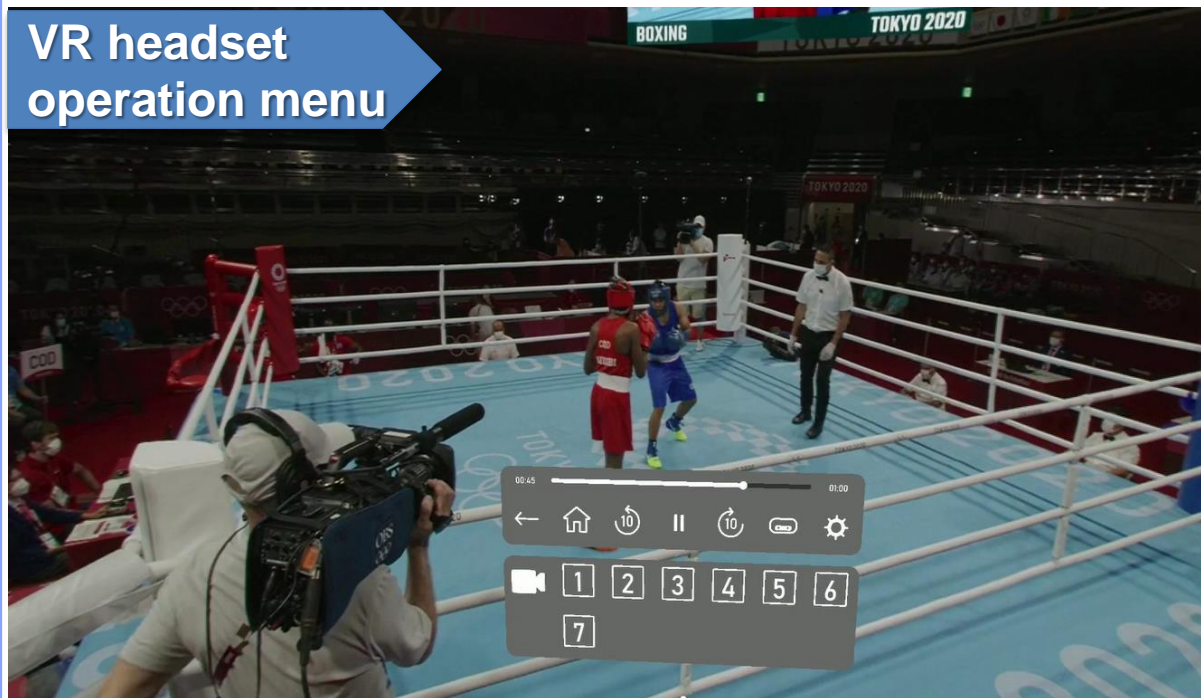




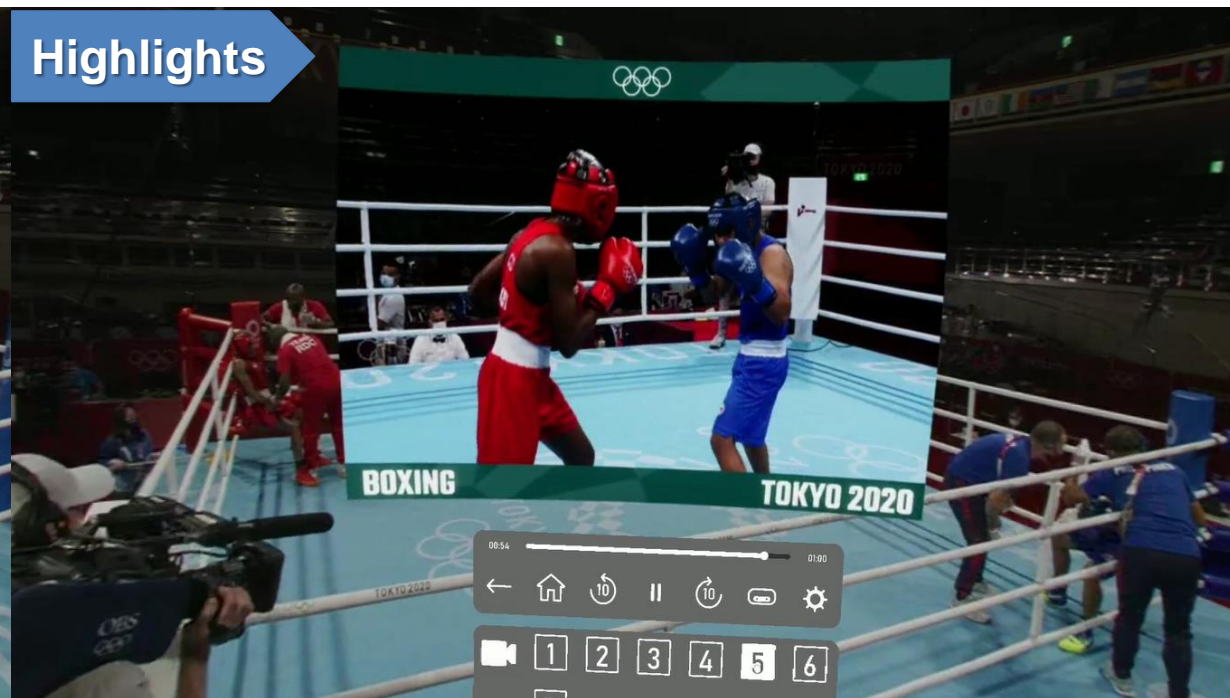
# Chunghwa Telecom Tokyo Olympics VR broadcast (2/2)

- Including the opening and closing ceremonies, as well as live events such as track and field, beach volleyball, boxing, competitive gymnastics, basketball and other live events (45 games in total).
- Switching between [multi-view angles](#), fast rewind, and enjoying live events in the virtual world through online social interaction.

## VR headset operation menu



## Highlights



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# JORJIN – Theater Subtitle Application Solution

- JORJIN combines technical expertise in wireless transmission, central processing, imaging, and sensing to create AR smart glasses that can achieve various applications of **high-speed transmission** and **low-latency** through 5G networks.
- When the audience is watching the performance in the theater, they can instantly see the translated subtitles and various superimposed images to interact.



## Jorjin J7EF AR Smart Glasses

The penetrating display allows the AR subtitle to be integrated with the real environment.

## 5G Mobile Phone

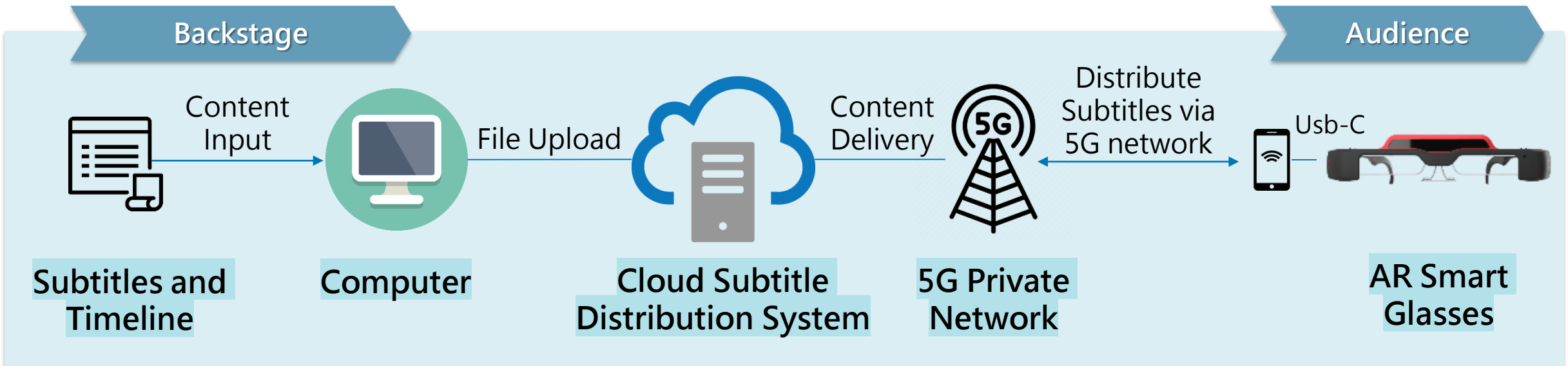
As the computing host of AR glasses, the mobile phone disperses the weight of the headset, guarantees the wearing comfort, and receives content via the 5G network.





# National Taichung Theater(1/2)

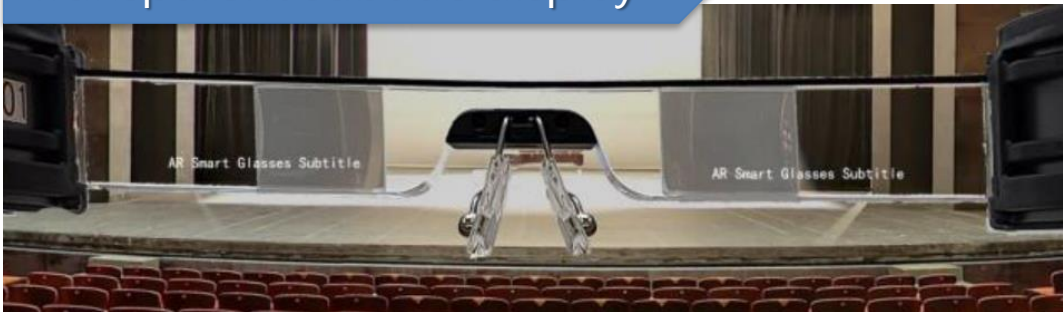
- AR glasses allow the audience to keep their eyes on the splendid performance when watching a **foreign language performance**, understand the plot and dialogue, and be more involved in the performance.
- Even the hearing impaired can enjoy the performance without any obstacles.



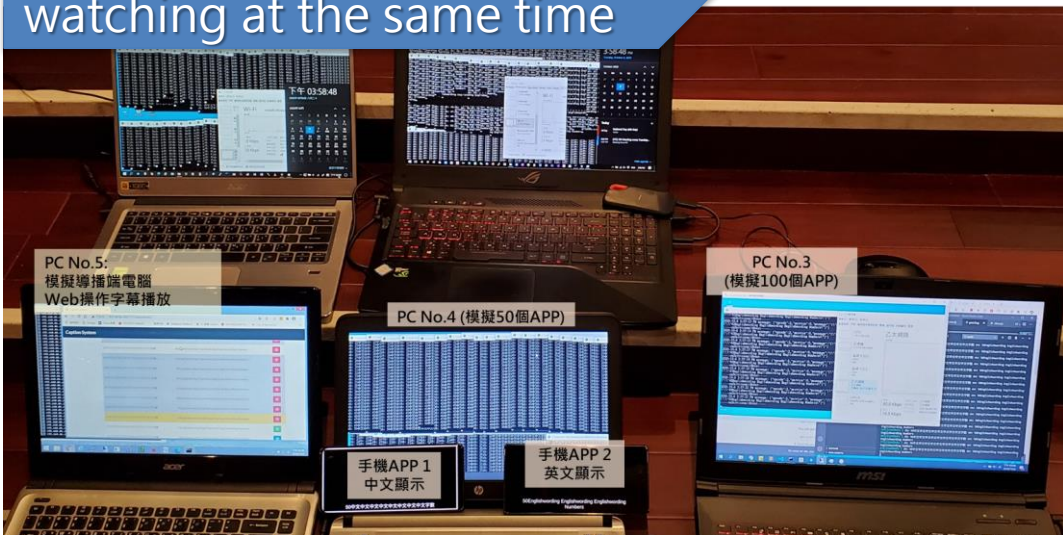


# National Taichung Theater(2/2)

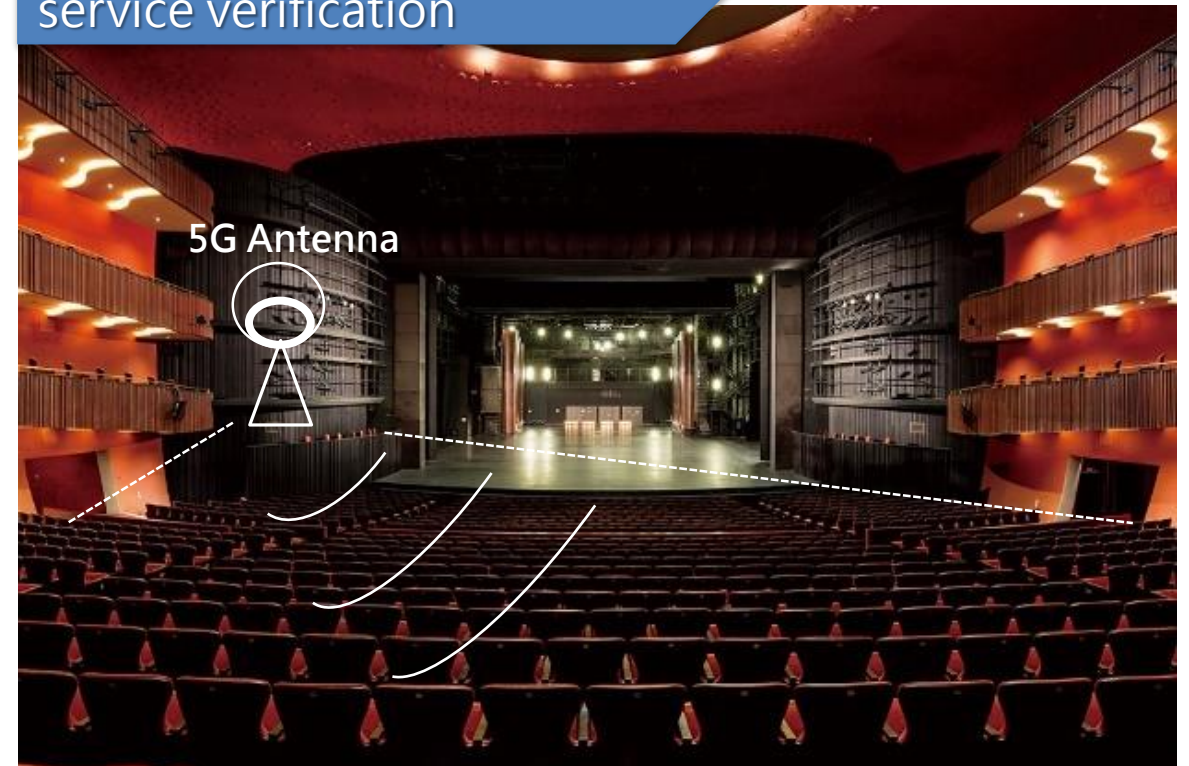
Transparent subtitle display



Simulate 300 viewers watching at the same time



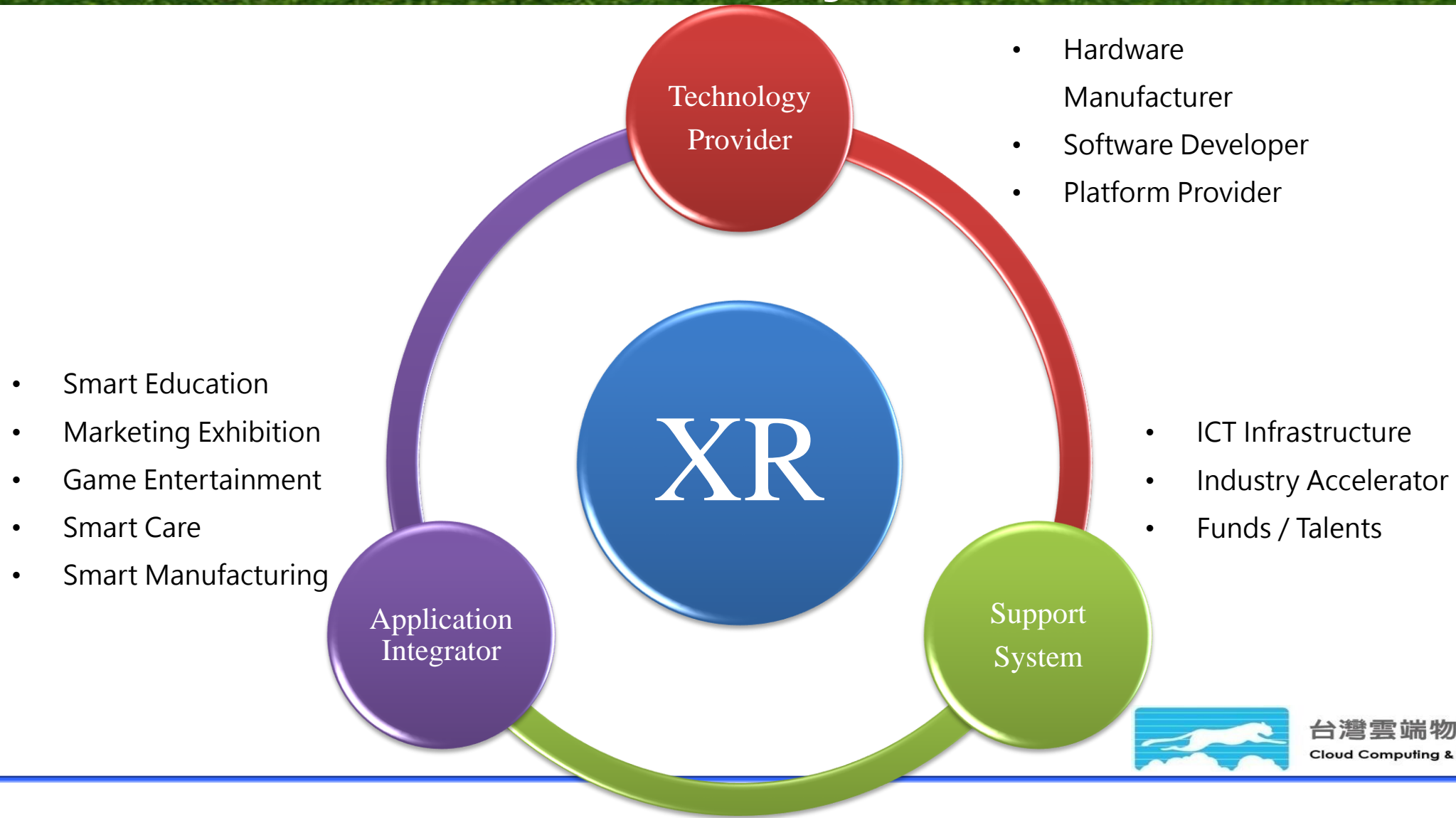
5G coverage and service verification



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# XR Ecosystem





thank you

