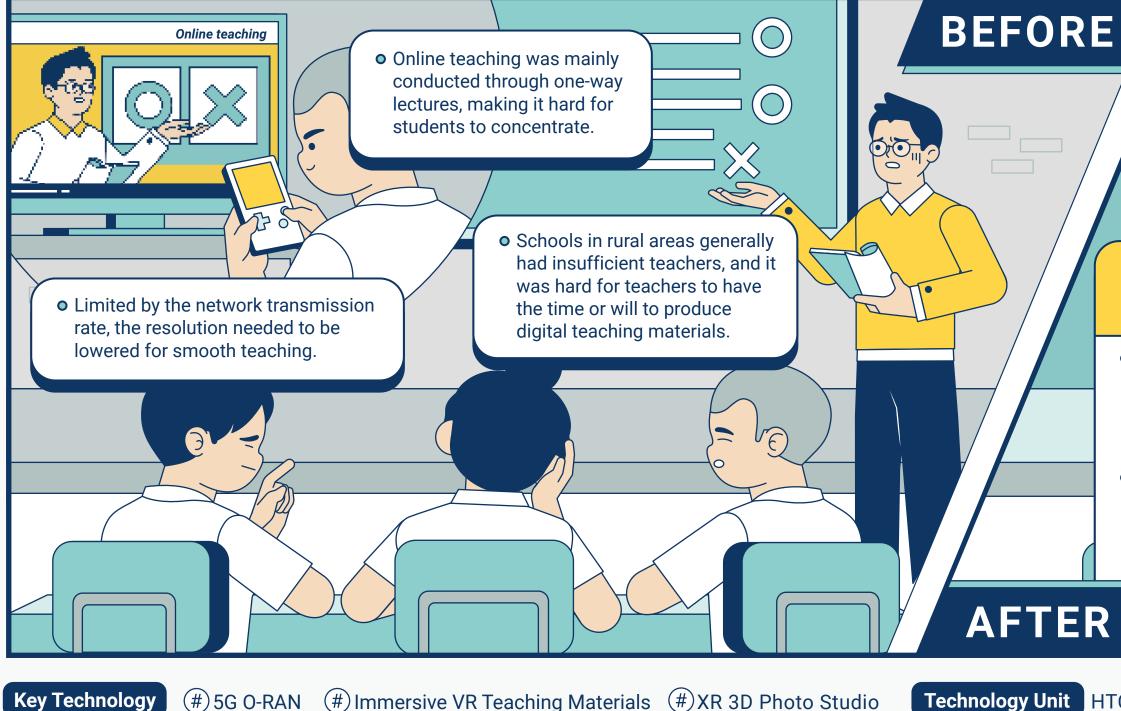
## **5G O-RAN:** Bridging the Educational Gap Between Urban and Rural Areas

## **5G Smart Education Metaverse Urban and Rural Shared Forward-Looking Production and Broadcasting Platform**

The gap in educational resources between urban and rural areas has become more apparent in the digital era. A demonstration academy serving as the 5G XR teaching benchmark for rural areas was established, in order to integrate the production of teaching materials and support carriers across platforms, closing the gap between urban and rural areas.





## **Project Results**

**#First in Taiwan** | Integrated 5G O-RAN and XR technologies to establish the first 5G O-RAN XR photo studio, and used XR technology and special effects post-production to enrich teaching materials.

**#Increased Interest in Learning** | Produced at least 10 teaching videos and increased students' interest in learning through diverse digital teaching materials.

5G G 5 Ö XR photo studio **Established private mobile** 5G networks to close the Integrated course production digital divide between closes the gap in urban and rural areas educational resources • The large bandwidth and low • Integrated digital teaching material latency of 5G O-RAN allow for production services minimize the effort smoother XR image transmission, required to produce teaching materials and provide high definition digital and increase teachers' willingness to teaching materials.  $\bigcirc$ produce such materials. • Combined with the MOE project • Uses the XR photo studio to create 3D for every student to have a tablet interactive teaching scenarios. Paired PC, multiple links through 5G with the metaverse education platform allow every student to access system, students can engage in VR high quality digital teaching immersive learning across devices, contents, sharing educational increasing their learning motivation. resources.

Technology Unit HTC CORPORATION

**Domestic Trial Site** New Taipei city, Miaoli county, Kaohsiung city

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