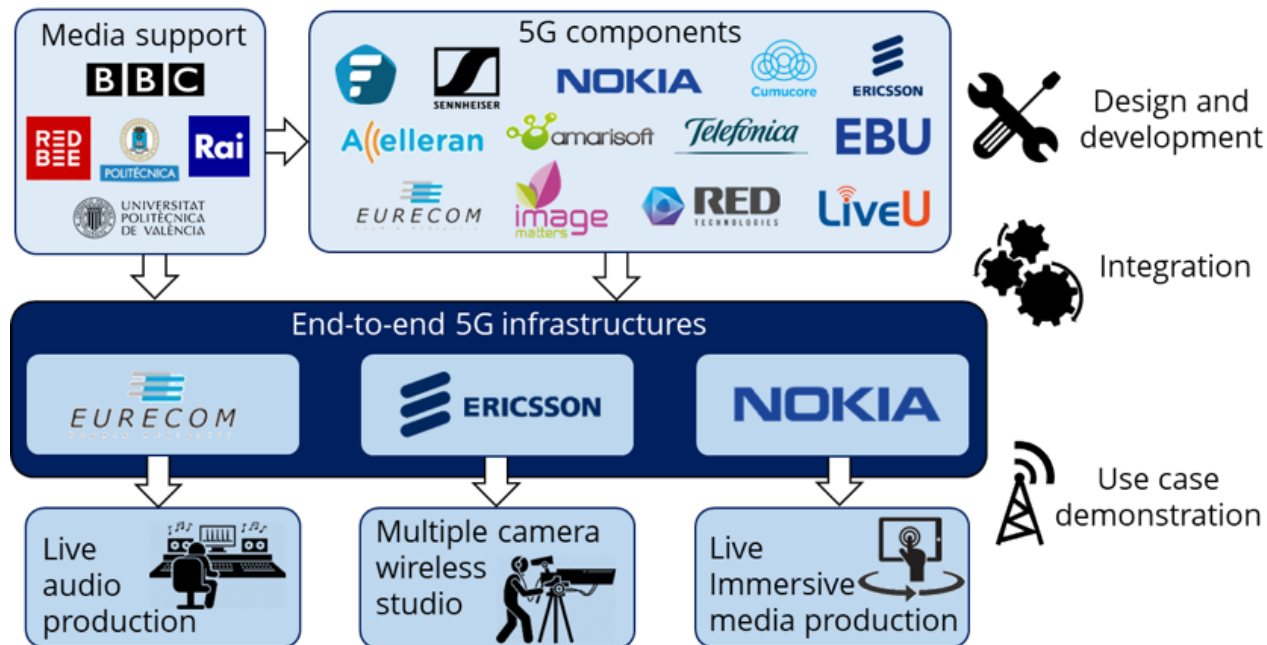


# 5G for Immersive Media Production

# 5G-RECORDS: 5G for Professional Audiovisual Production



# Live Immersive Production

## Use Case 3



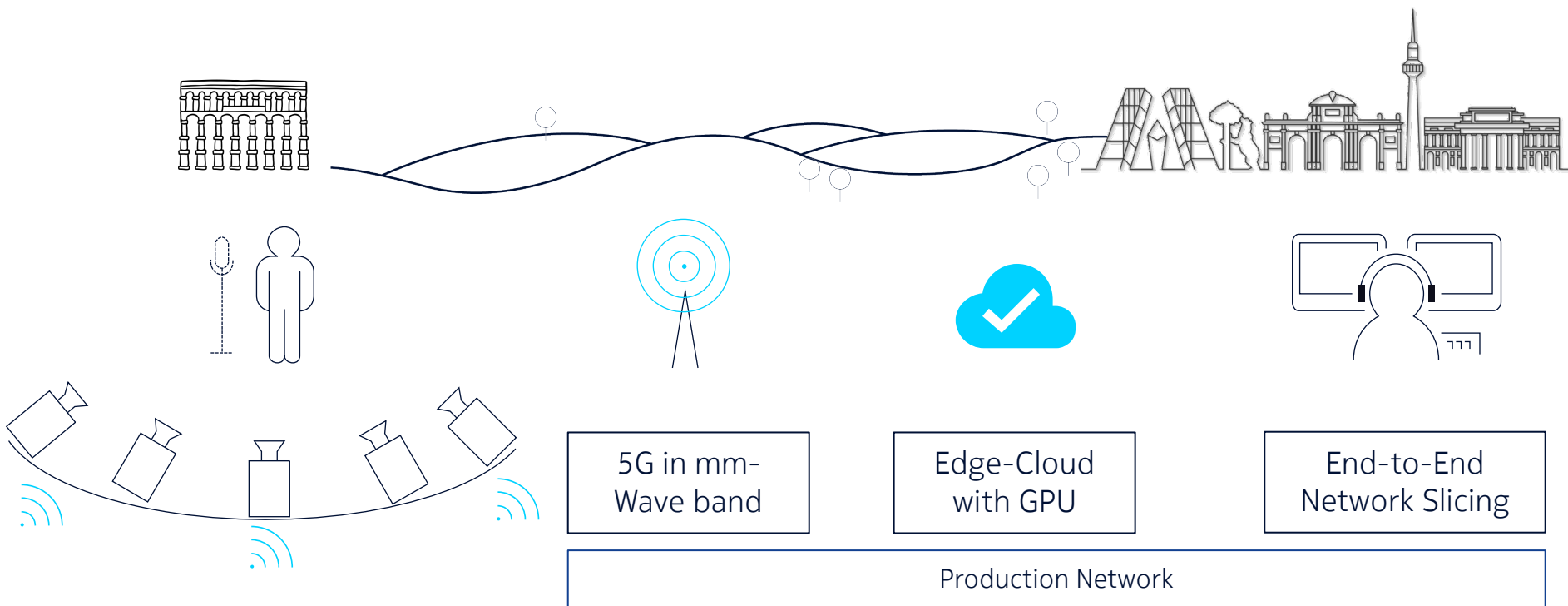
UNIVERSIDAD  
POLITÉCNICA  
DE MADRID

- Free-Viewpoint-Video
- Real time
- Easy to deploy
- Remote production
- Quality of Service
- Over real 5G network





We move it to the cloud (or fog)...  
...with 5G

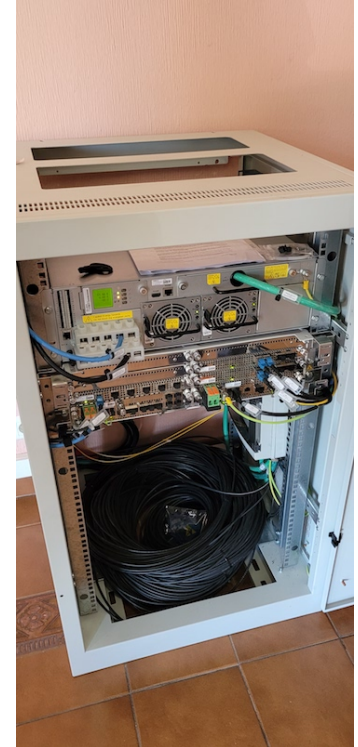




# 5G in millimeter-wave band for Content Production

## Field trial

- Key to broadband deployment
  - Short range (< 200m)
  - Line of sight
- Today: dense urban areas
  - > 3 Gbps downlink
  - > 200 Mbps uplink
- Tomorrow: industry and verticals
  - > 1 Gbps uplink
- Regulation is pending in many countries (e.g. Spain)



Now what?

Next steps. Lessons learnt

Short-term...

Field trial with  
live music from  
Segovia



Future...

"Portable" 5G  
deployment in  
mmWave band  
for events



**NOKIA**