Facility federation

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IP SHOWCASE

Audio Engineering Society AIMS Alliance for IP Media Solutions AMWA Networked Media. Working. EBU SMPTE VSF Video Services Forum

Facility federation

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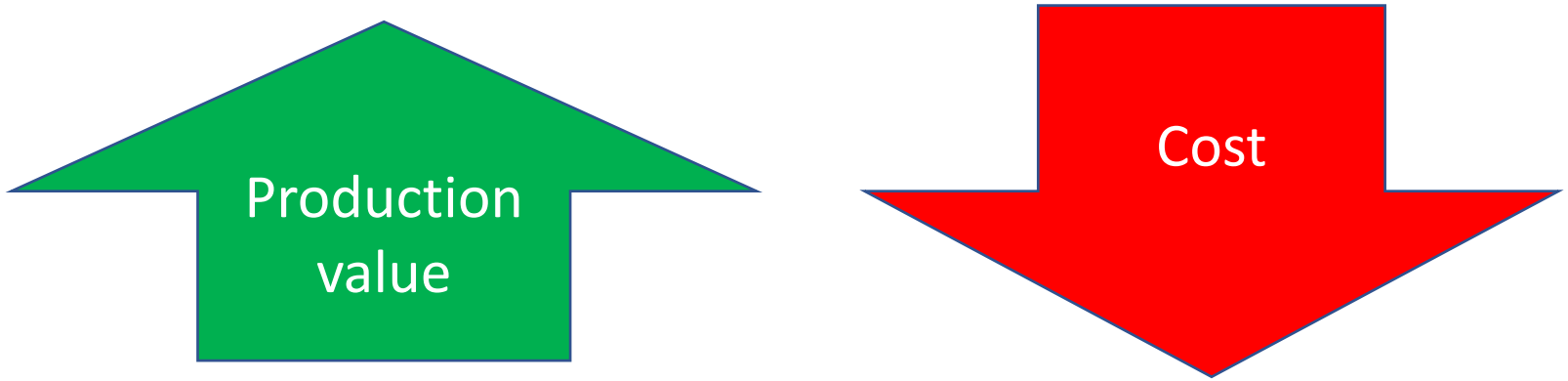
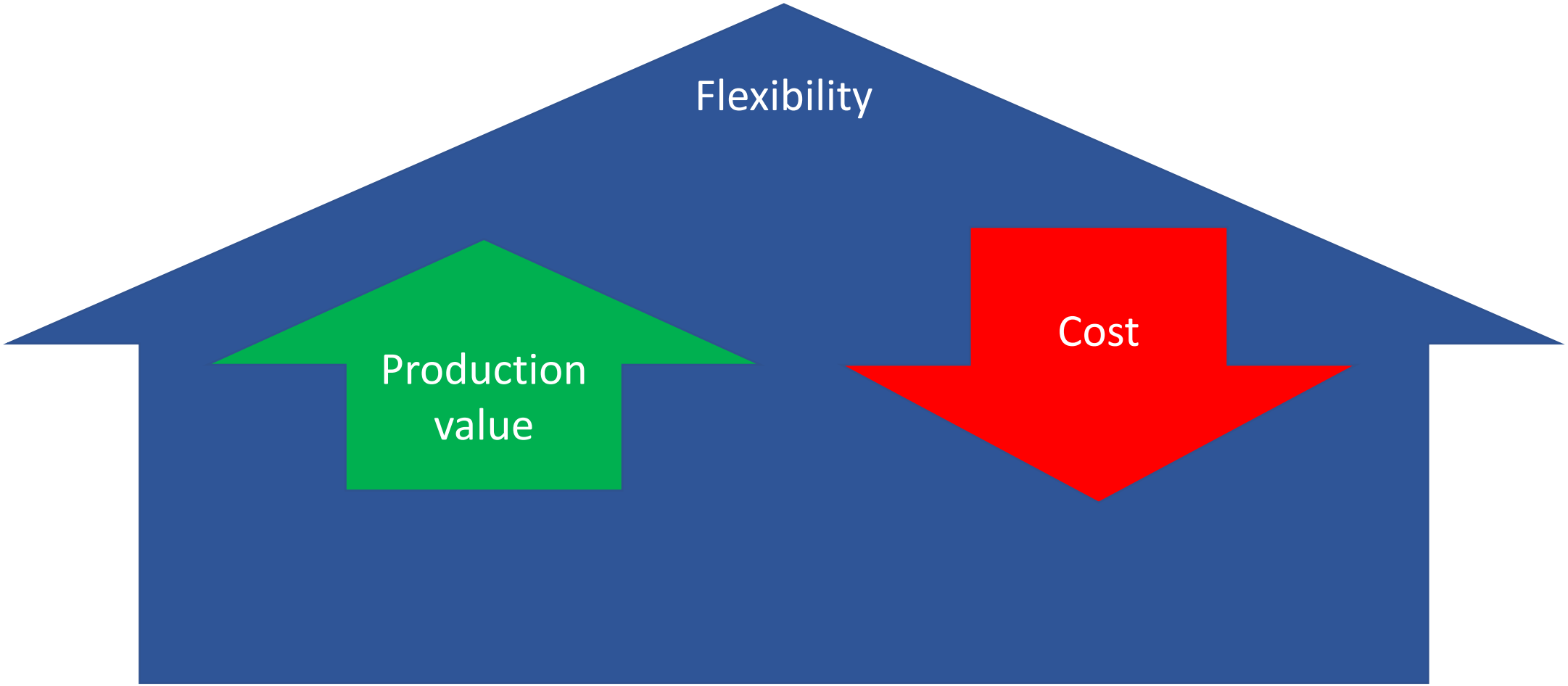
A Sony Group Company

Come and catch up on the Sony stand C10901 in the Central Hall

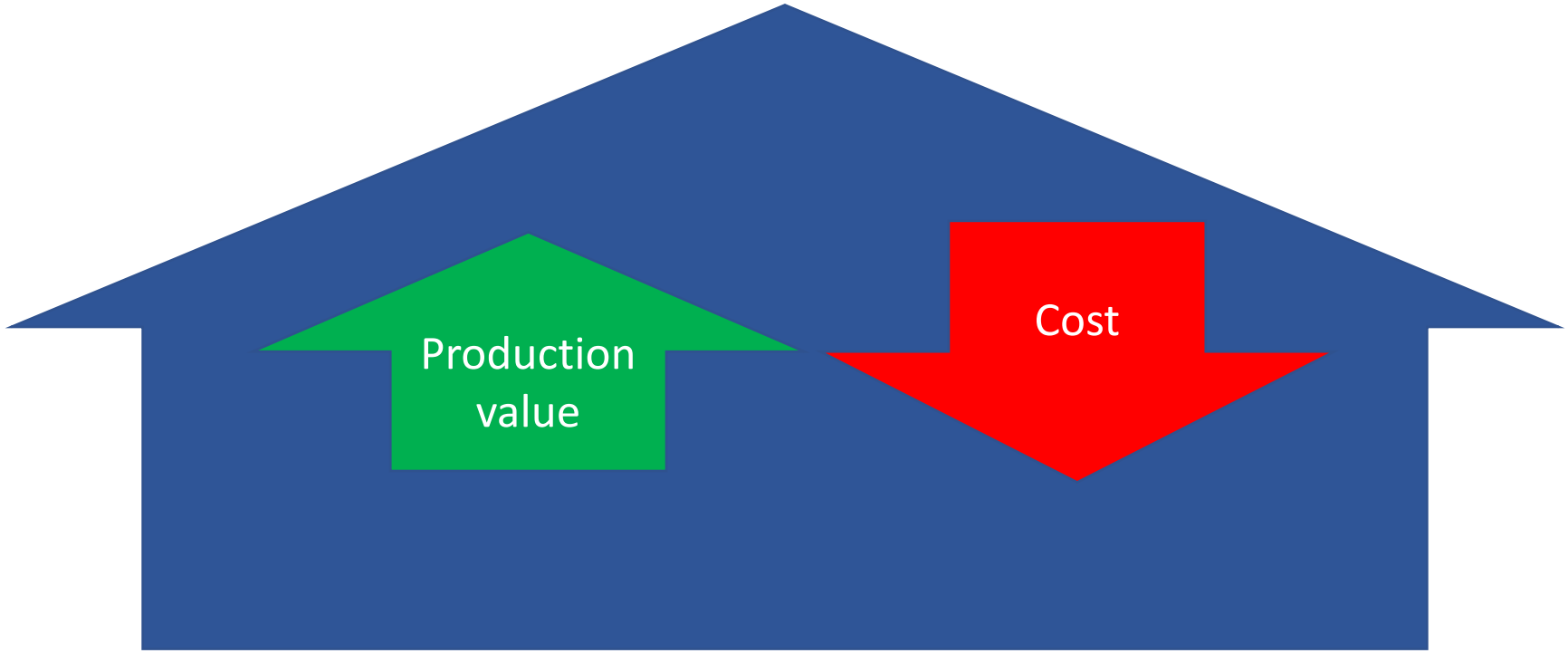
Content producer desires



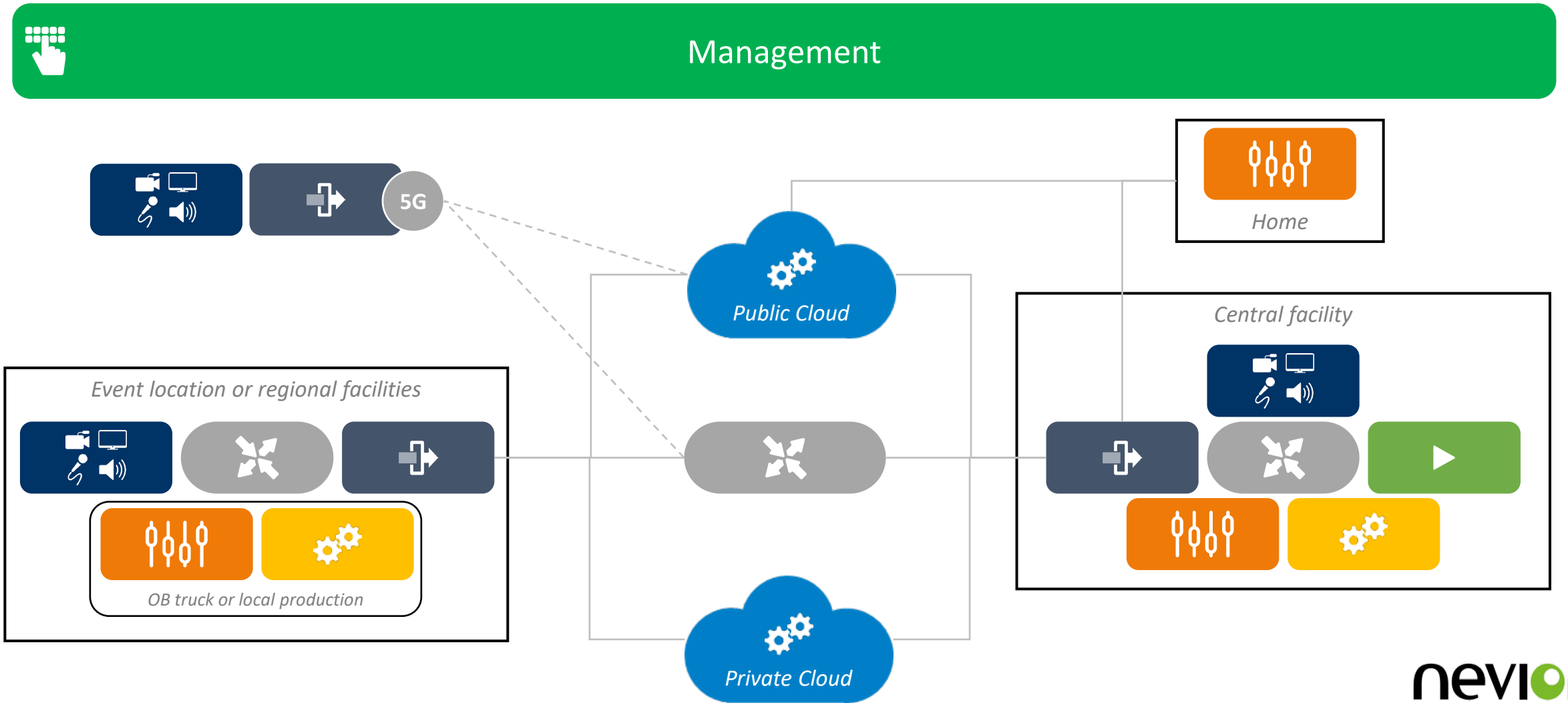
Content producer desires



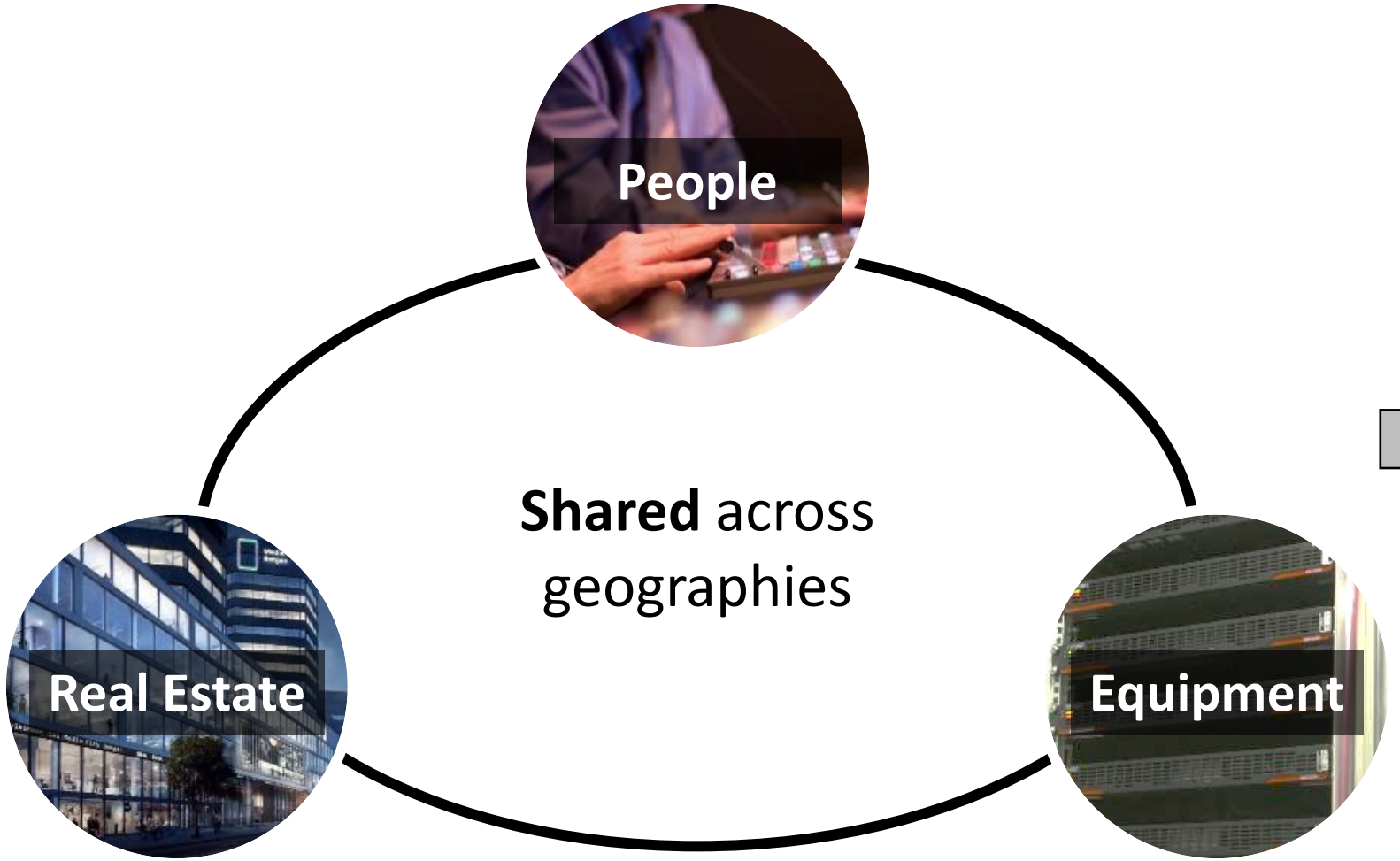
Content producer desires



Distributed production

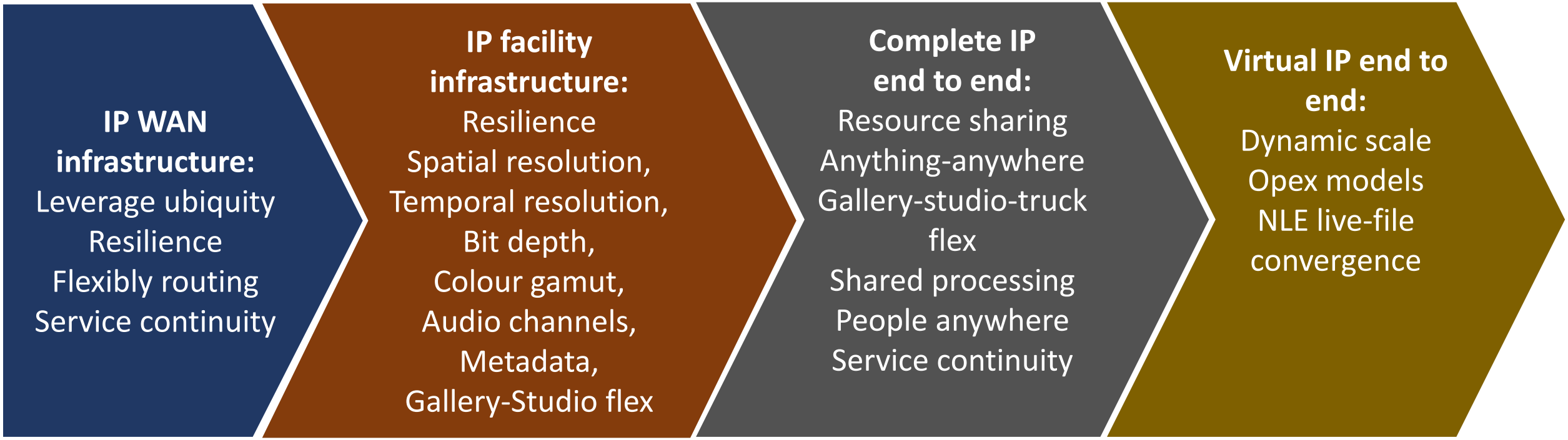


IP is transforming production workflows

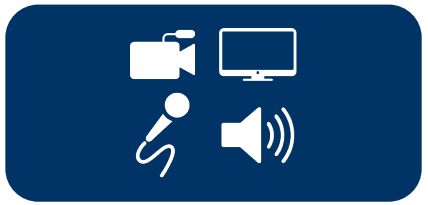


Nimbler and **more cost-effective** production, using the very **best resources**

The journey of IP production flexibility



Many potential production locations

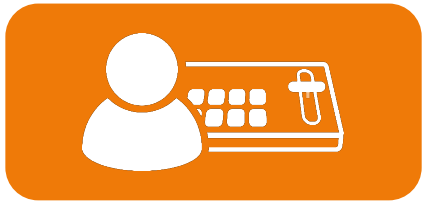


Acquisition locations

Main facilities studio, studio at other facilities, pop-up studio, event location, along a course, adhoc location, from home, etc

Storage & processing locations

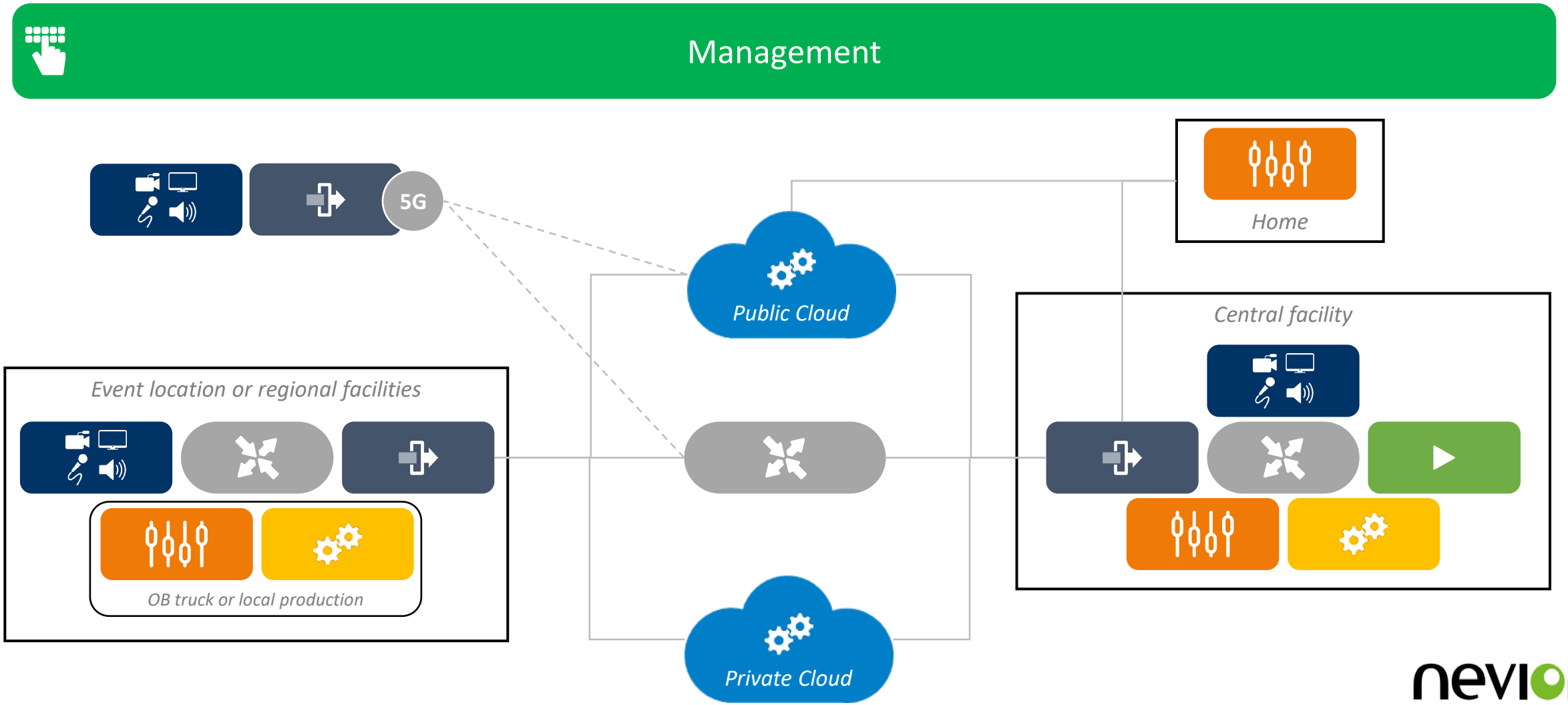
Datacenter in the main facilities, datacenter in other facilities, a dedicated or temporary room at an event location, outside broadcast production truck or van, private Cloud, public Cloud.



Control locations

Main facilities control room, control room in other facilities, a dedicated or temporary room at an event location, outside broadcast production truck or van, from home, etc.

Distributed production



Remote production models

DPP models

"On location"

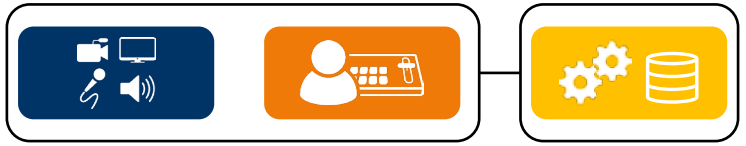
"Remote controlled"

"Centralized"

"Distributed"

"Cloud"

Additional Nevion models



"Remote processing"

"Private Cloud"

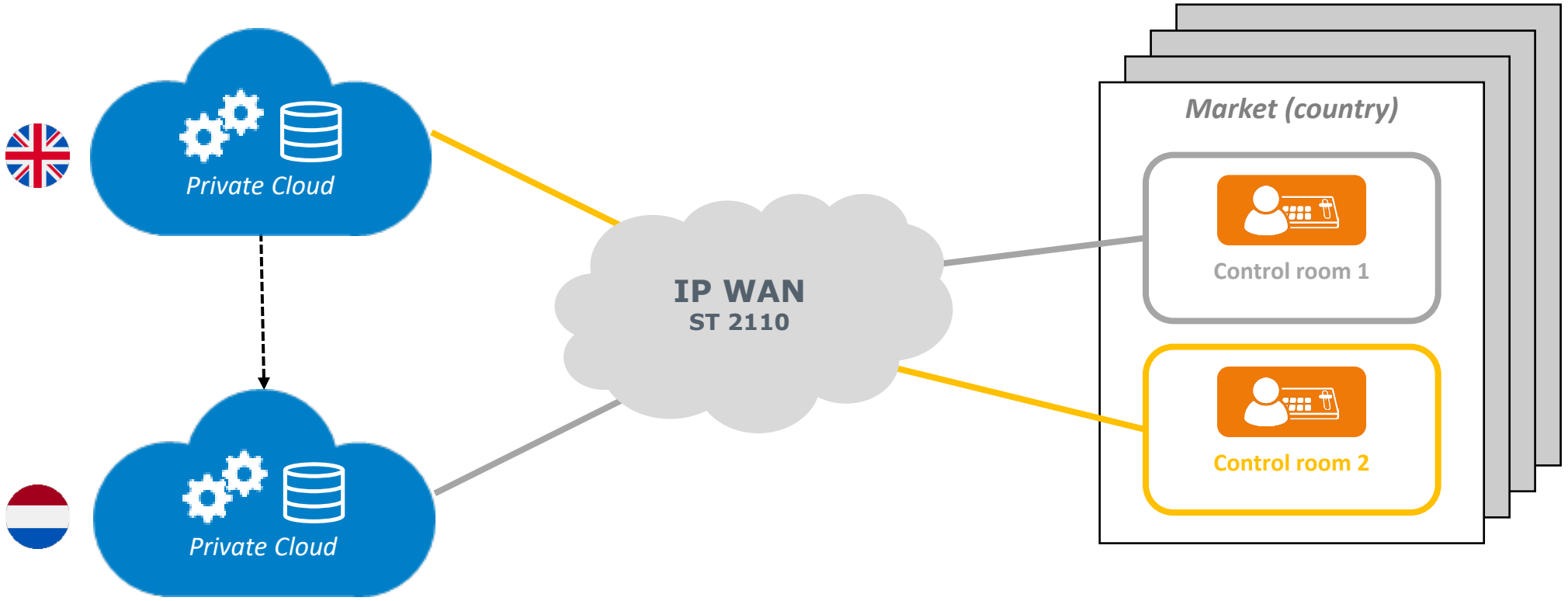
Source: thedpp.com/glr

The ST2110 suite & NMOS

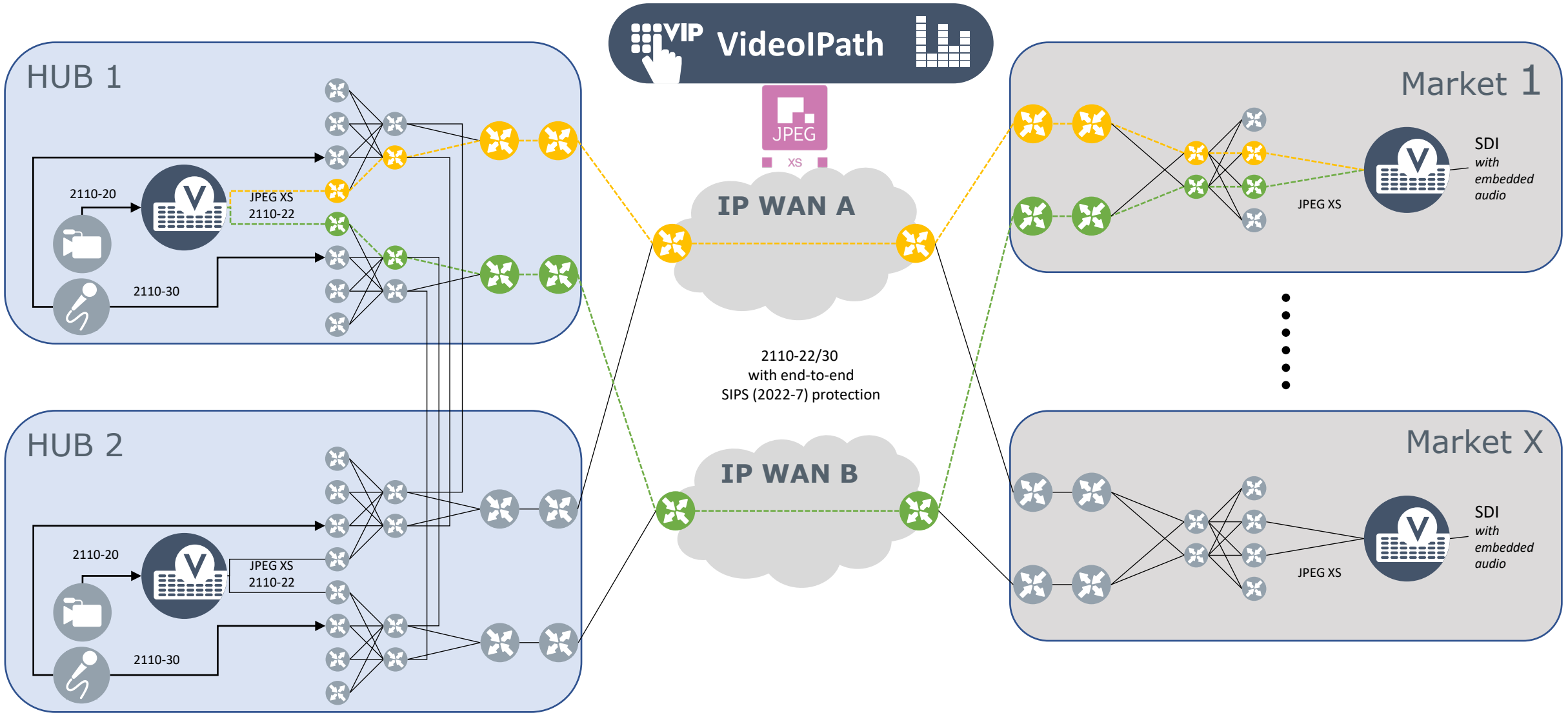
Multi-location requirements

- Full autonomy
- Resilience
- Full sharing

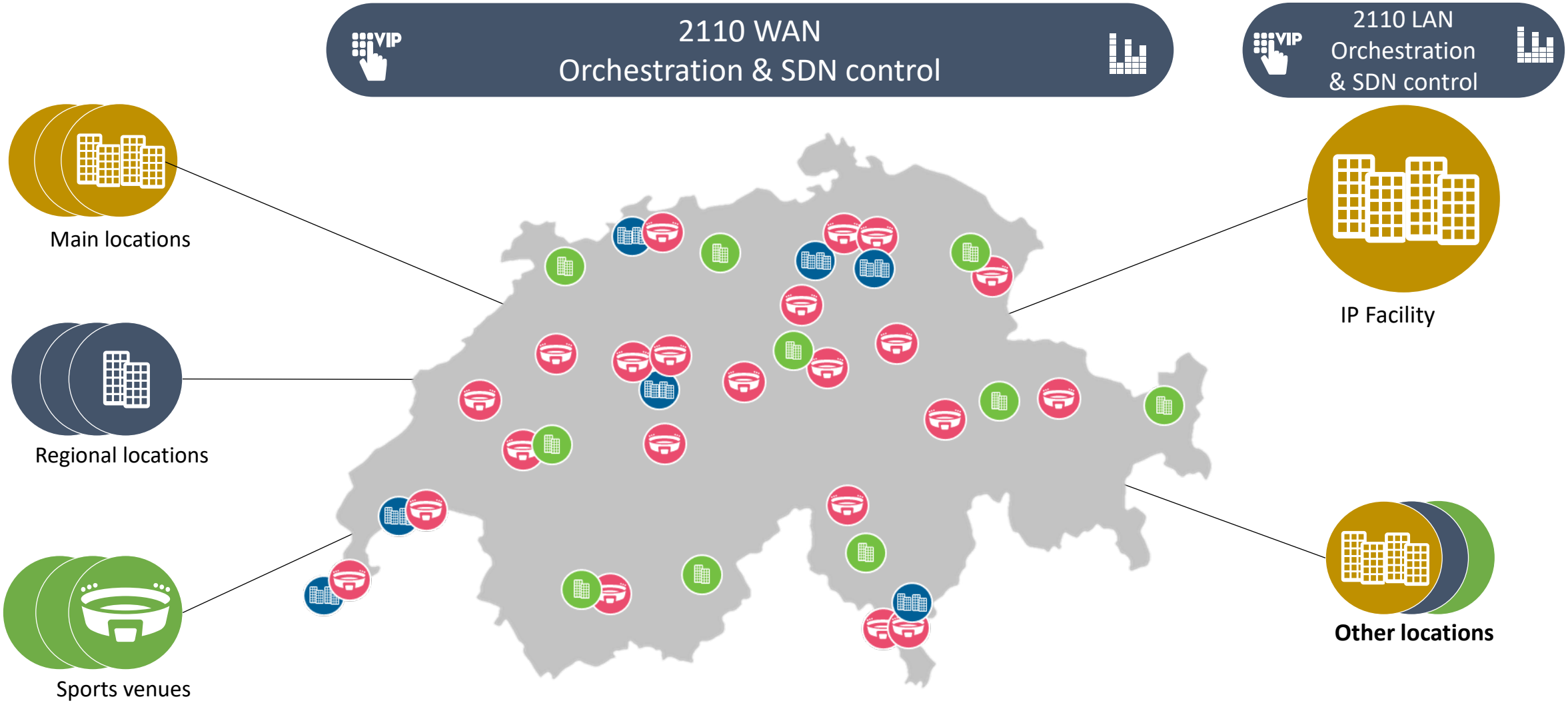
Case study 1: private Cloud production



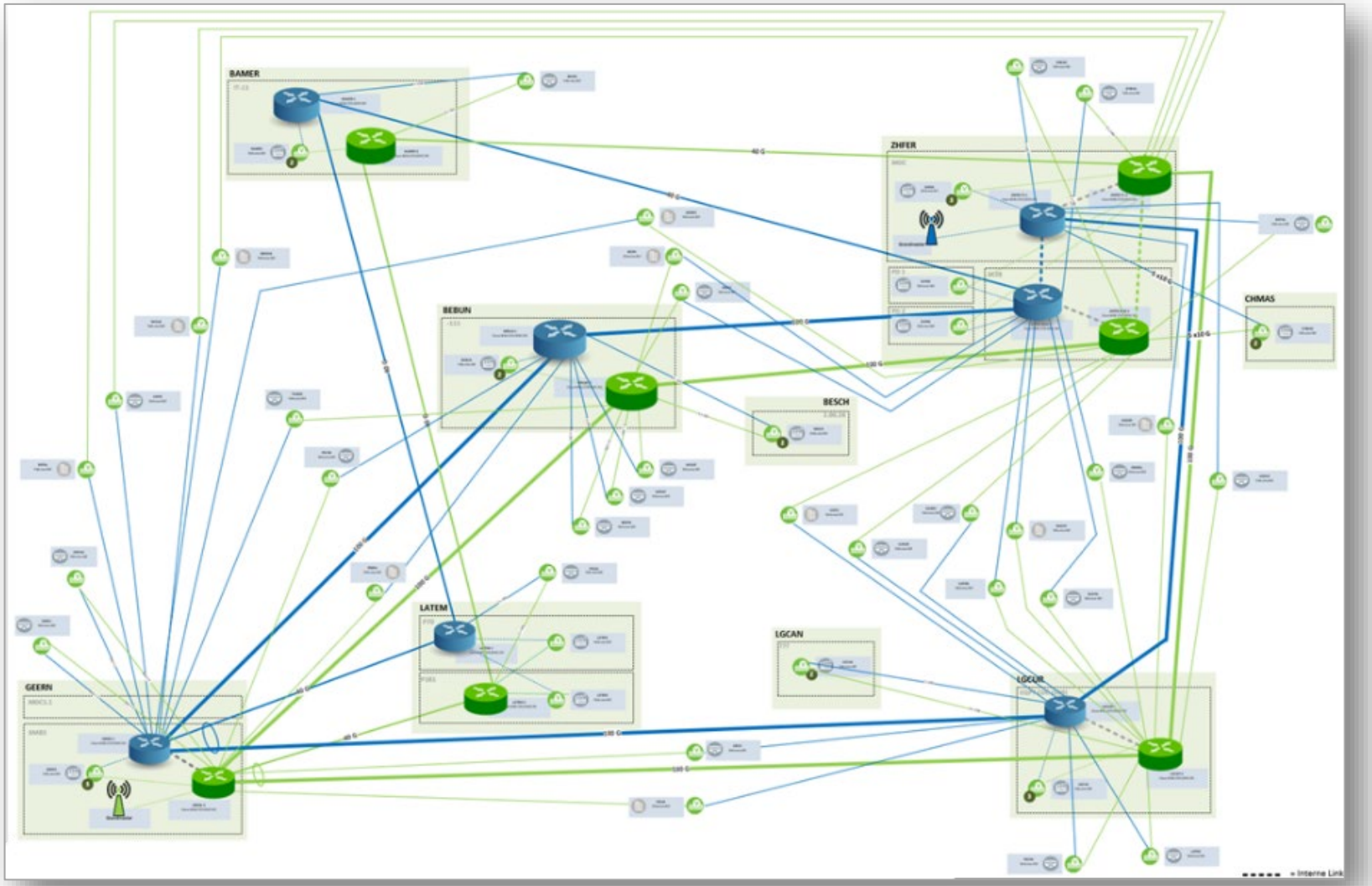
Connectivity



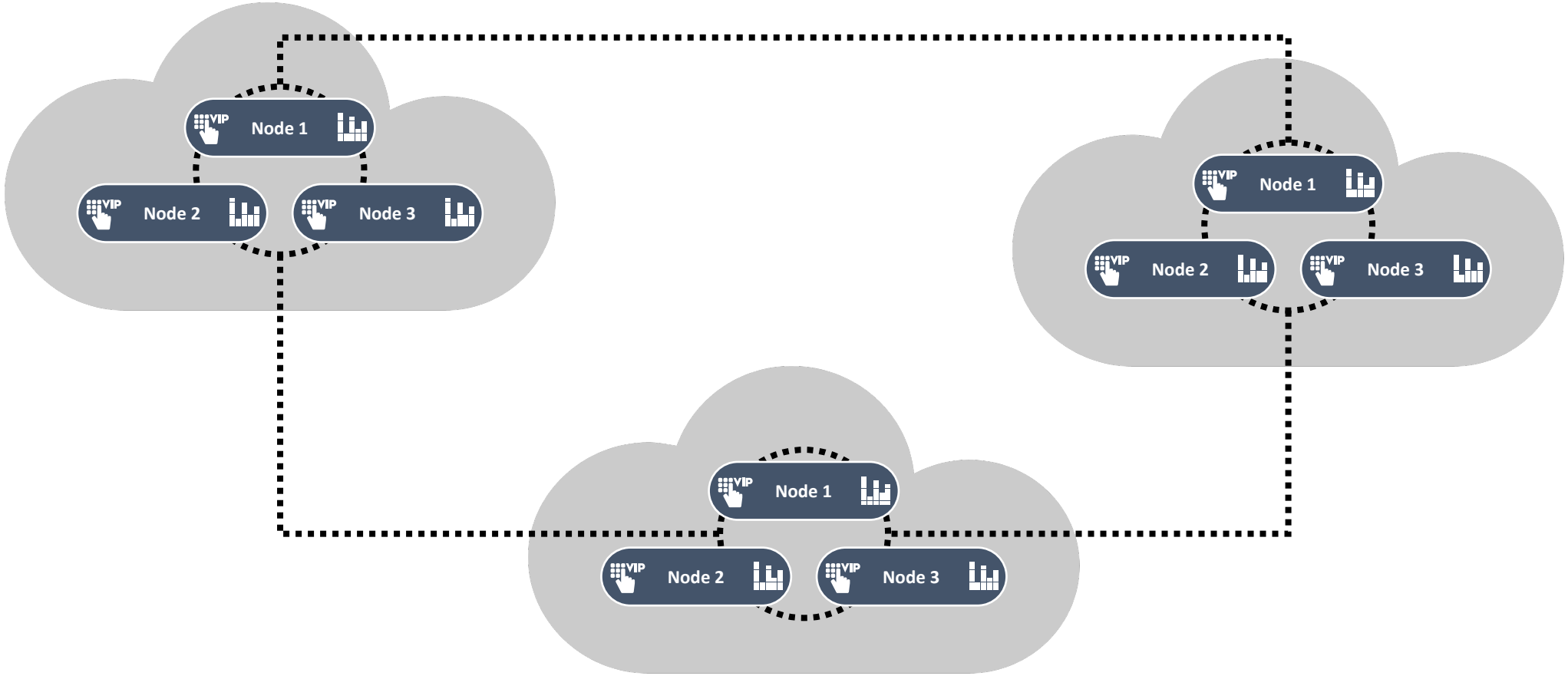
Case study 2: 2110 LAN/WAN solution



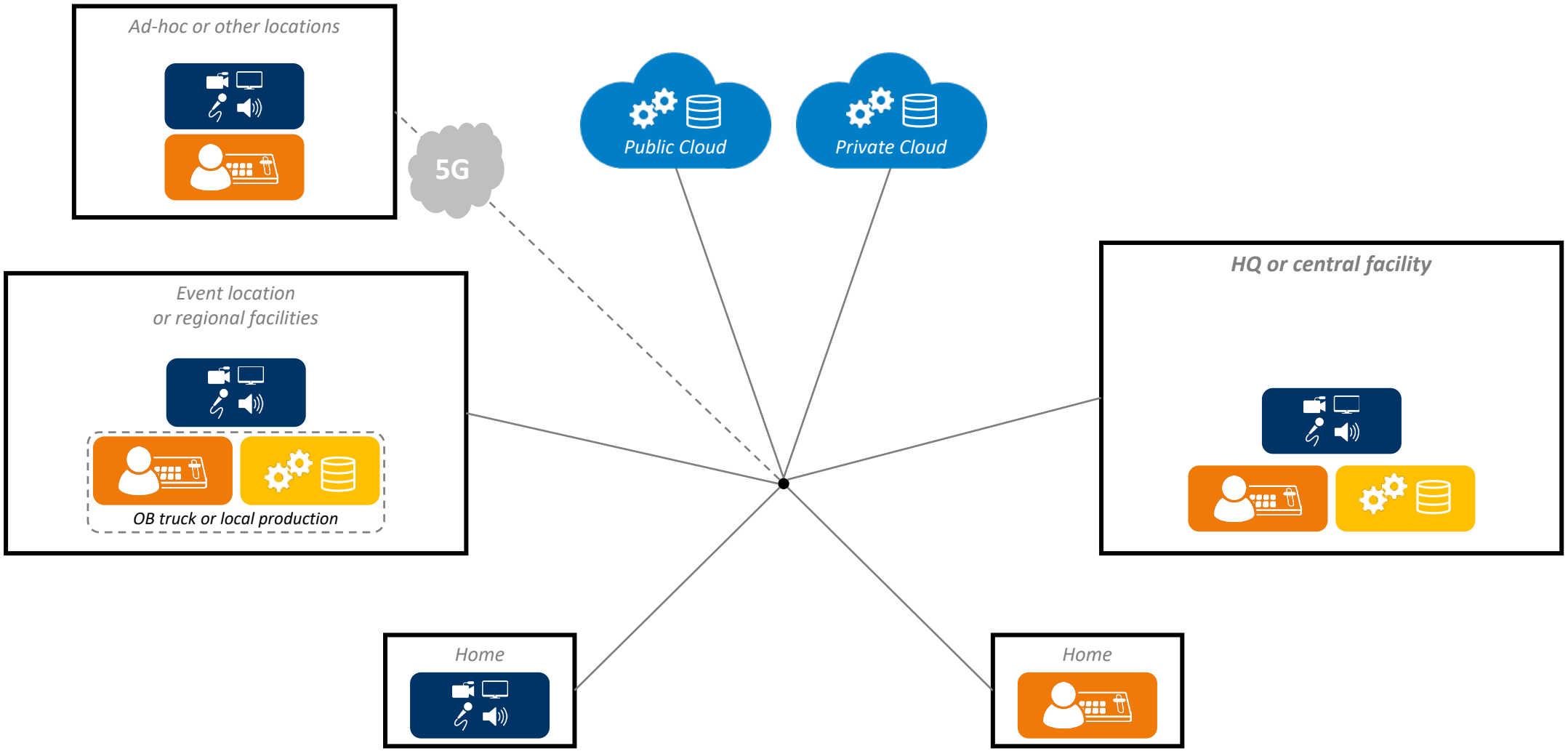
Full network overview



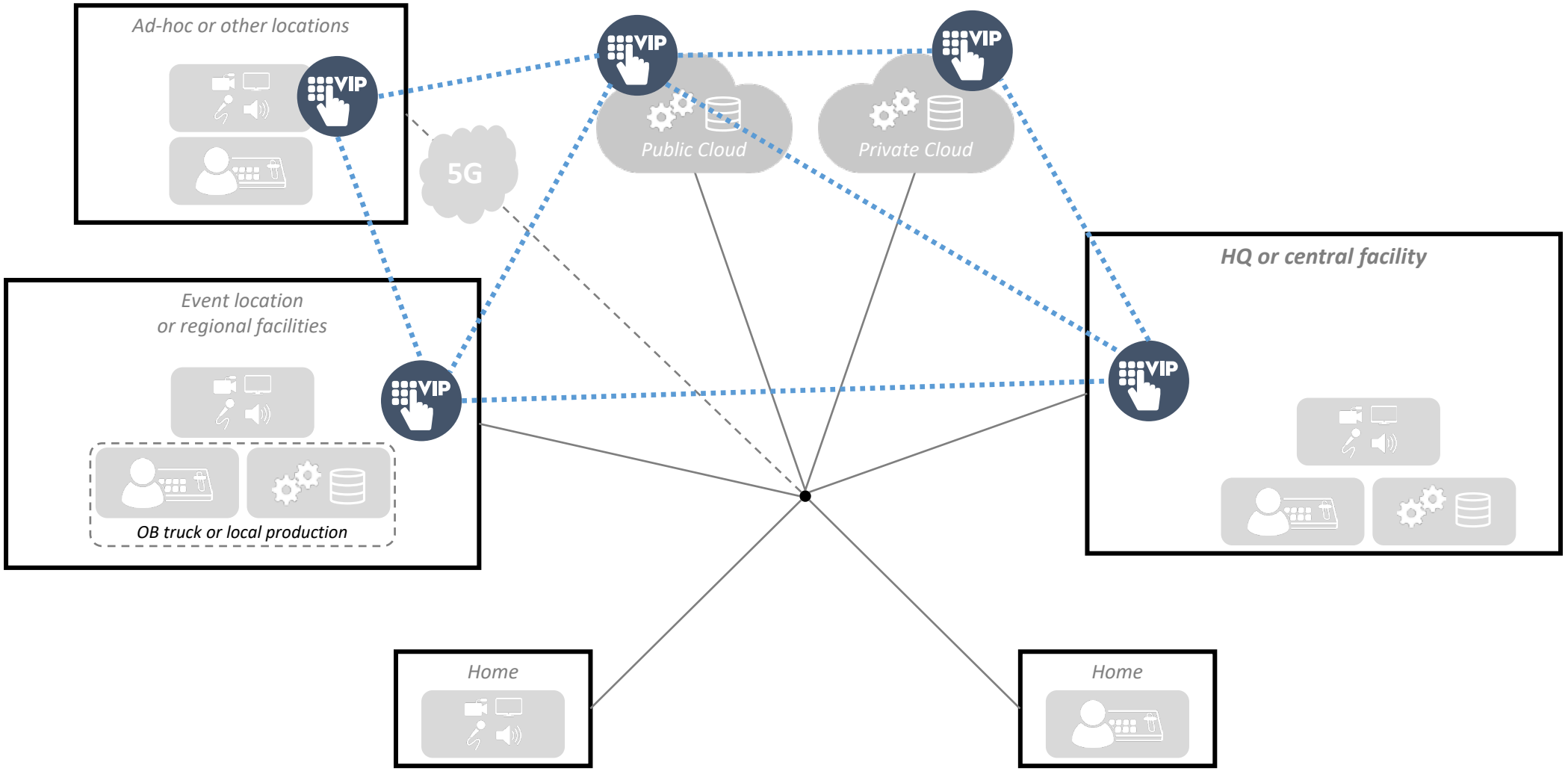
Orchestration federation



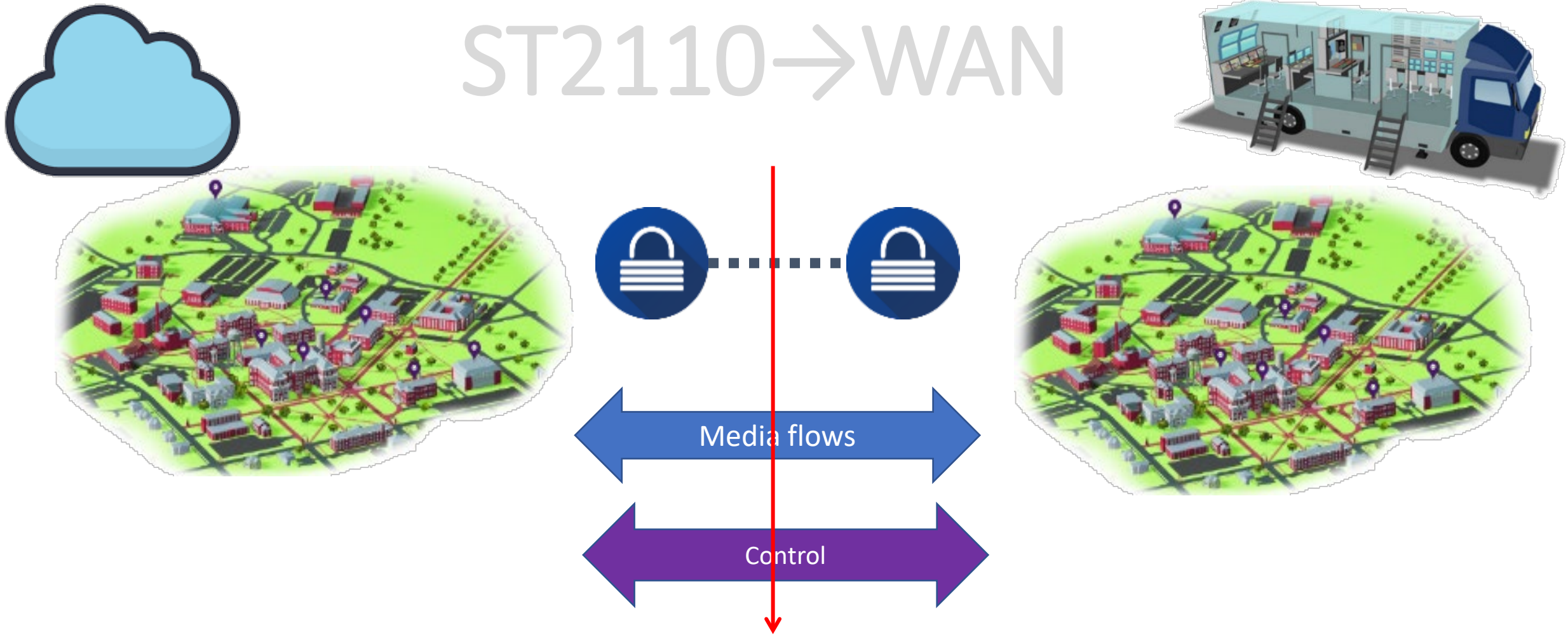
Fully distributed production capability



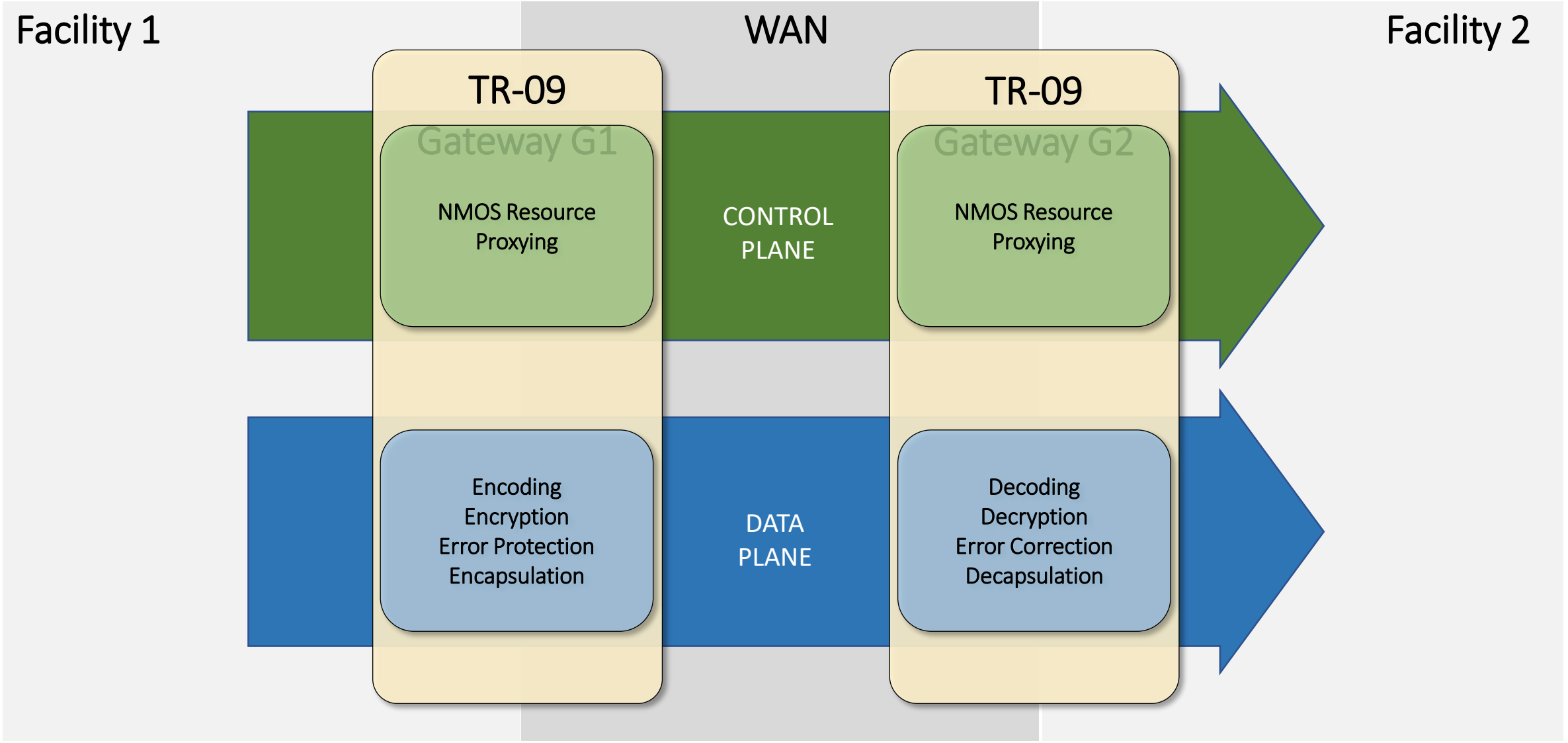
Federation enables distributed production



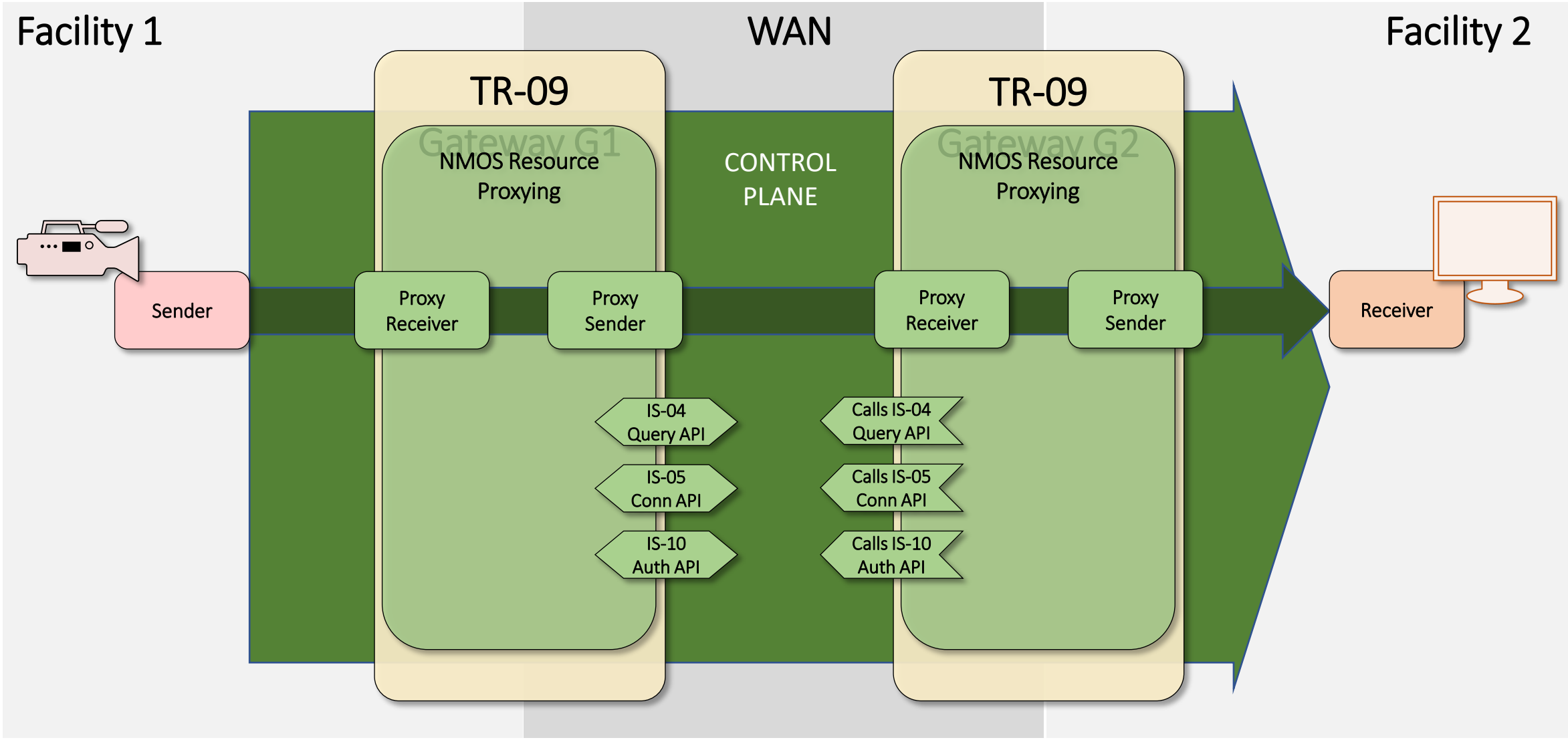
VSF ST 2110-WAN: ”To enable effective transport of ST2110 media flows and associated control data across Wide Area Networks in an interoperable manner.”



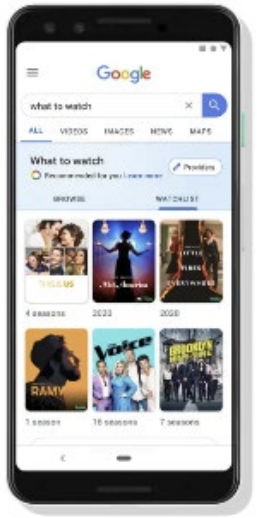
ST2110-WAN


Facility 1
WAN
Facility 2
TR-09
Gateway G1
NMOS Resource Proxying
TR-09
Gateway G2
NMOS Resource Proxying
CONTROL PLANE
Encoding
Encryption
Error Protection
Encapsulation
DATA PLANE
Decoding
Decryption
Error Correction
Decapsulation

2110-WAN control plane



5G – update here tomorrow 11:30



Mobile consumption

Fixed consumption

Mobile production

Thank you!

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nevion

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C10901 in the Central Hall

Any Questions?

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