

Facility federation

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IP SHOWCASE

Facility federation

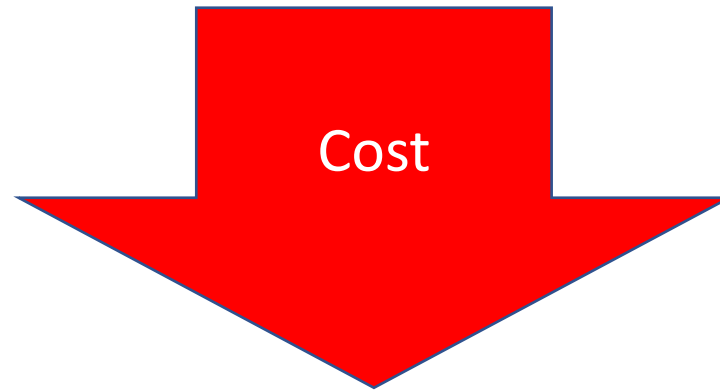
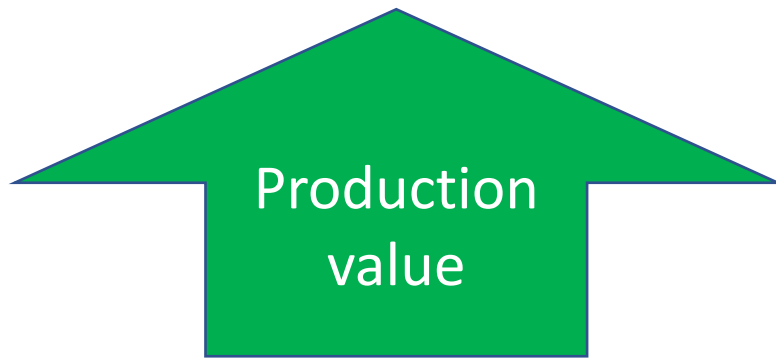


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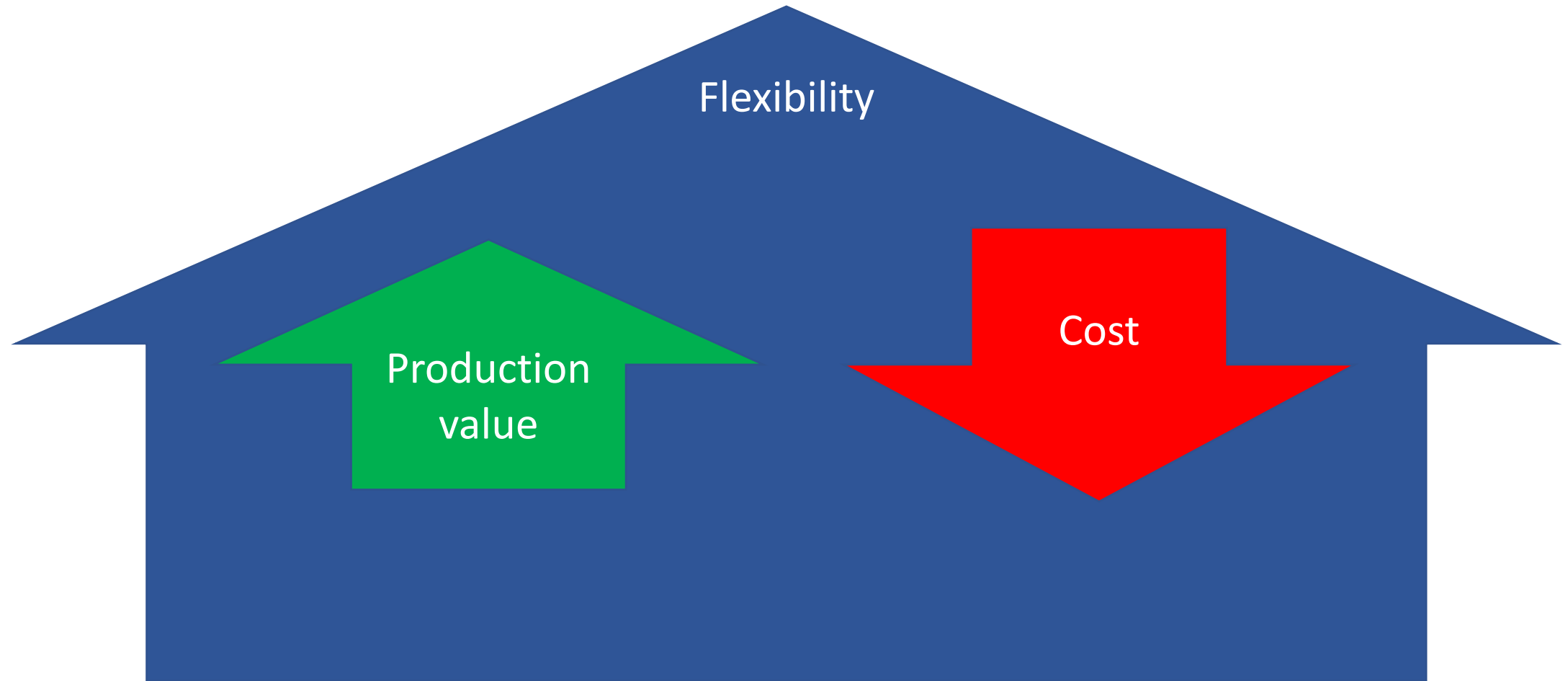


Come and catch up on the Sony stand C10901 in the Central Hall

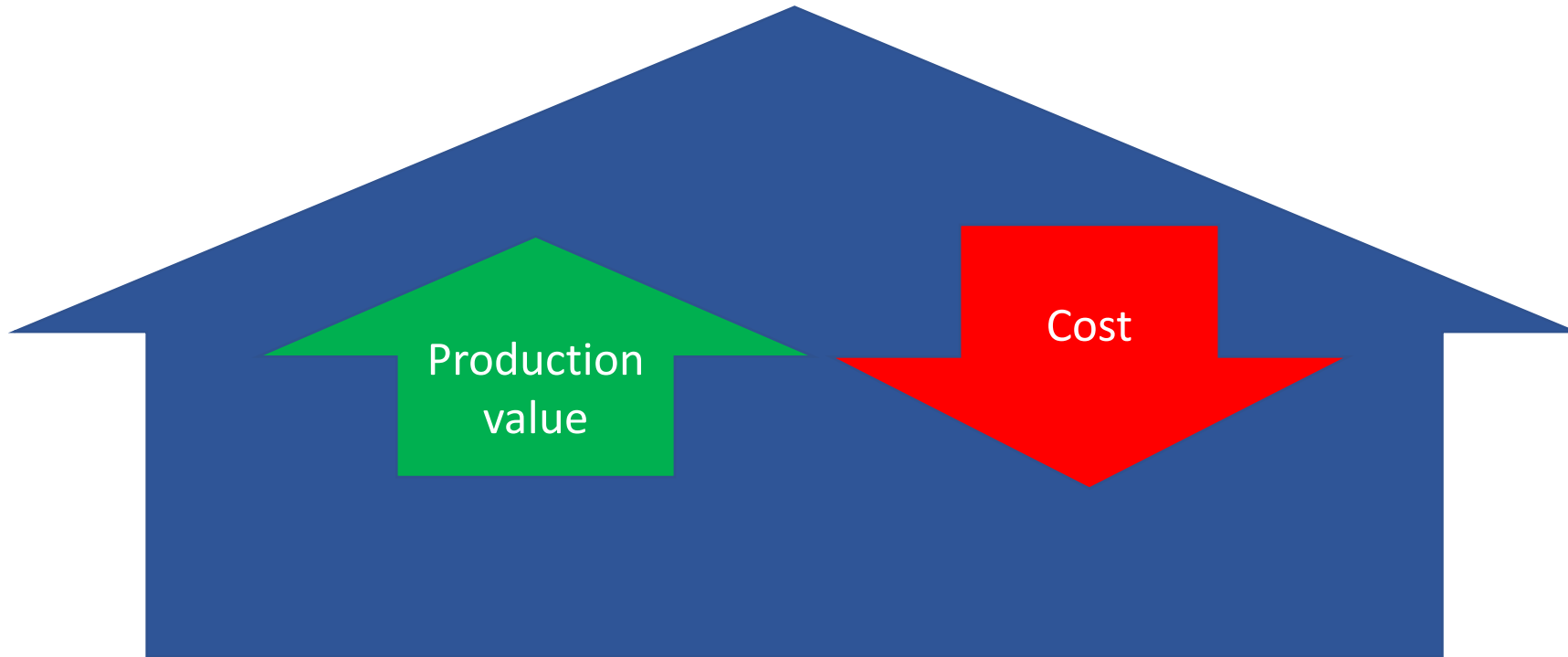
Content producer desires



Content producer desires



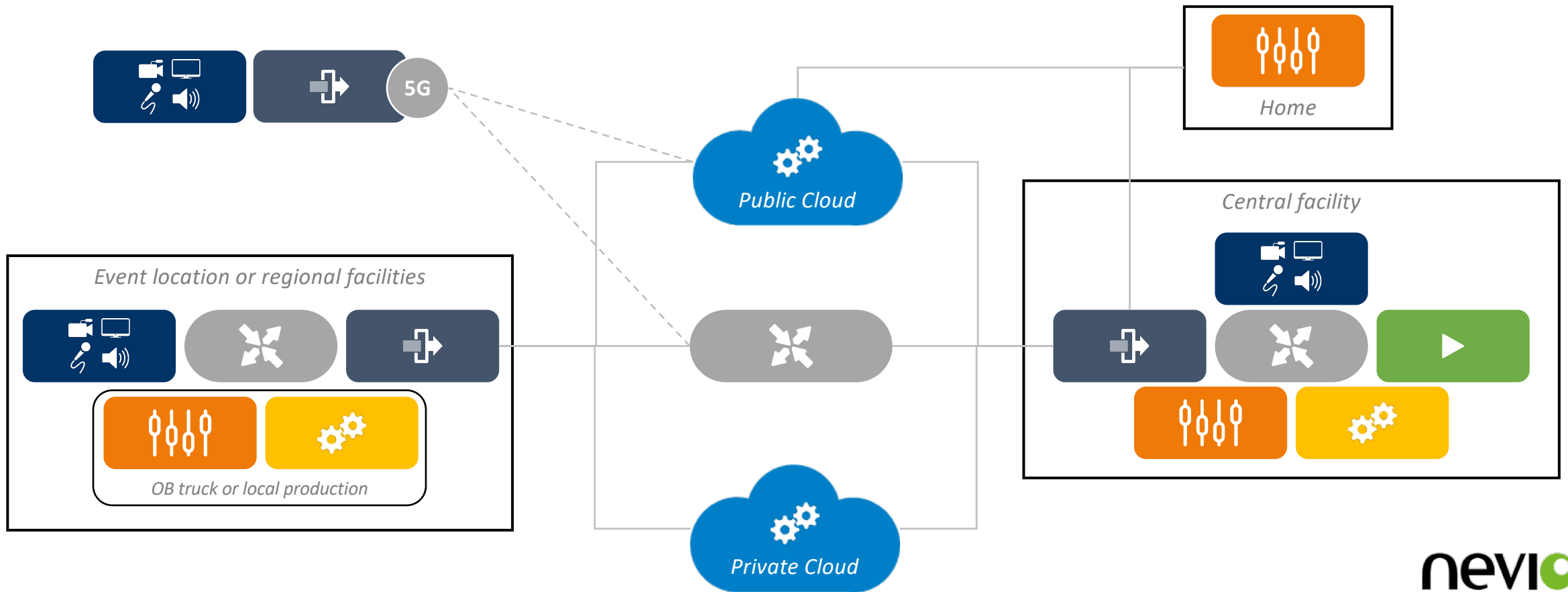
Content producer desires



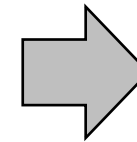
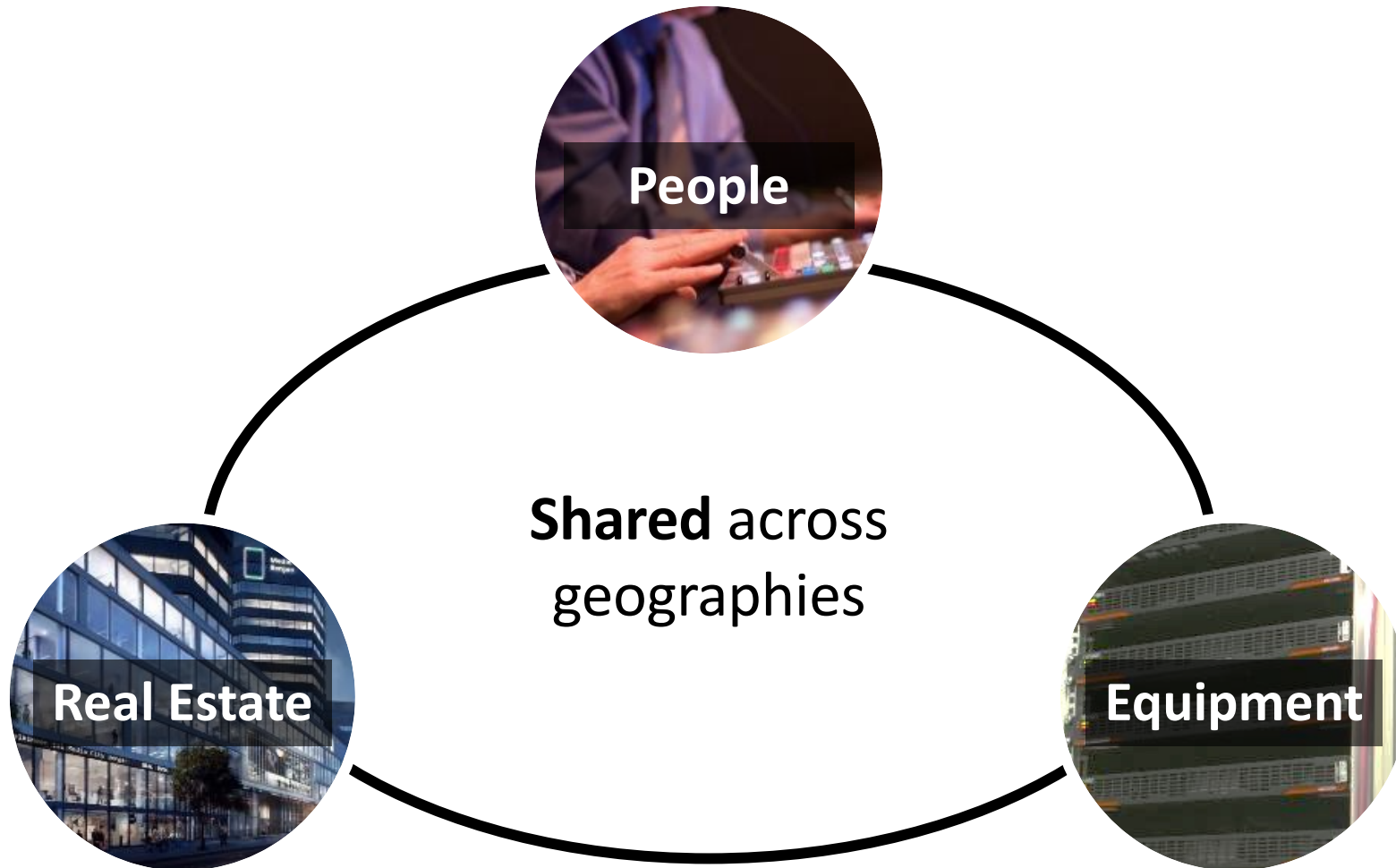
Distributed production



Management



IP is transforming production workflows



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

The journey of IP production flexibility



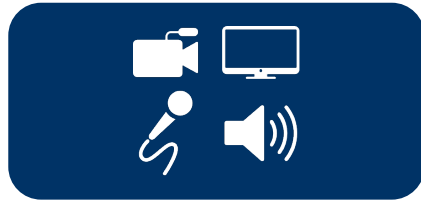
**IP WAN
infrastructure:**
Leverage ubiquity
Resilience
Flexibly routing
Service continuity

**IP facility
infrastructure:**
Resilience
Spatial resolution,
Temporal resolution,
Bit depth,
Colour gamut,
Audio channels,
Metadata,
Gallery-Studio flex

**Complete IP
end to end:**
Resource sharing
Anything-anywhere
Gallery-studio-truck
flex
Shared processing
People anywhere
Service continuity

**Virtual IP end to
end:**
Dynamic scale
Opex models
NLE live-file
convergence

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.



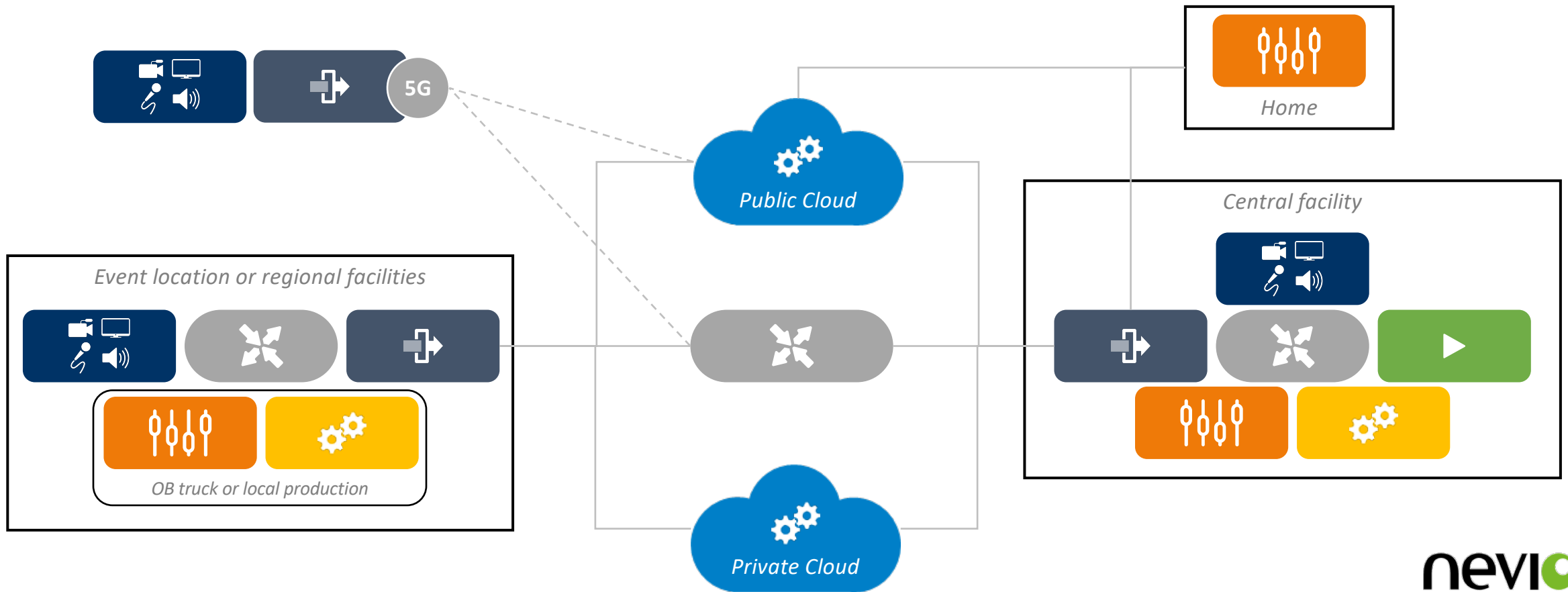
Control locations

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



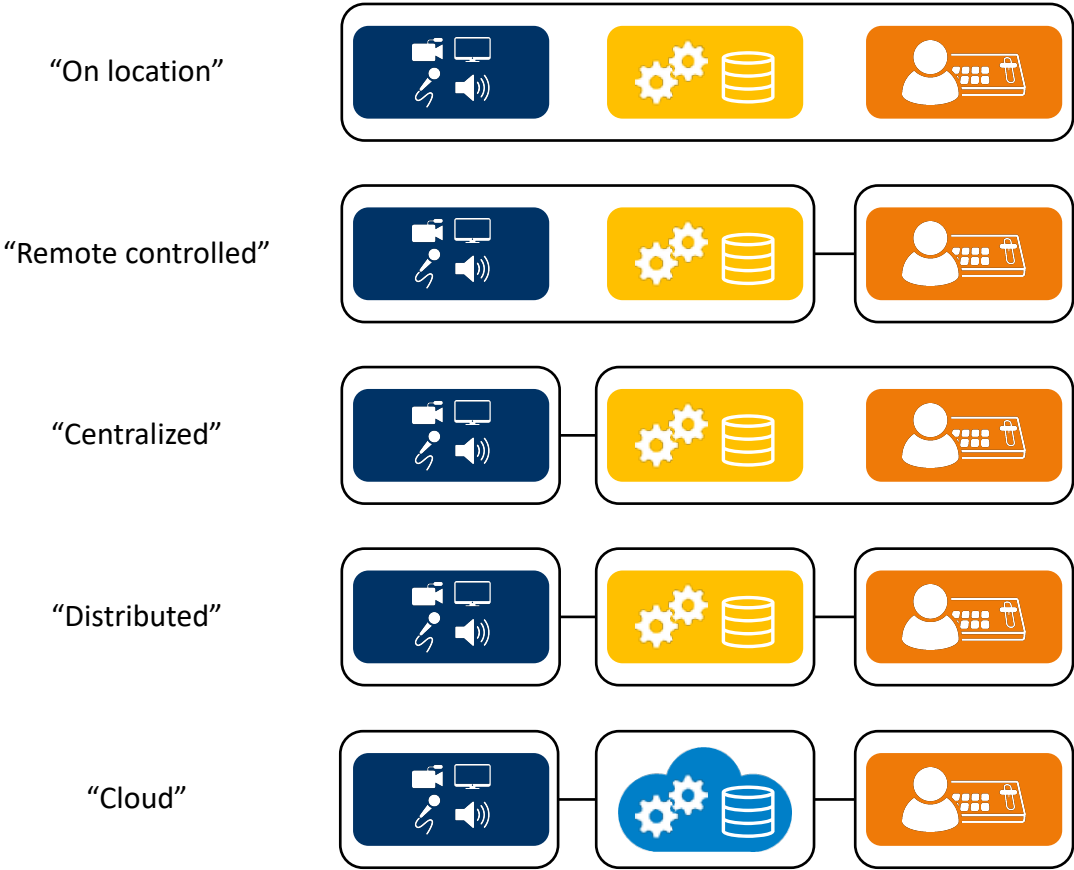
Management



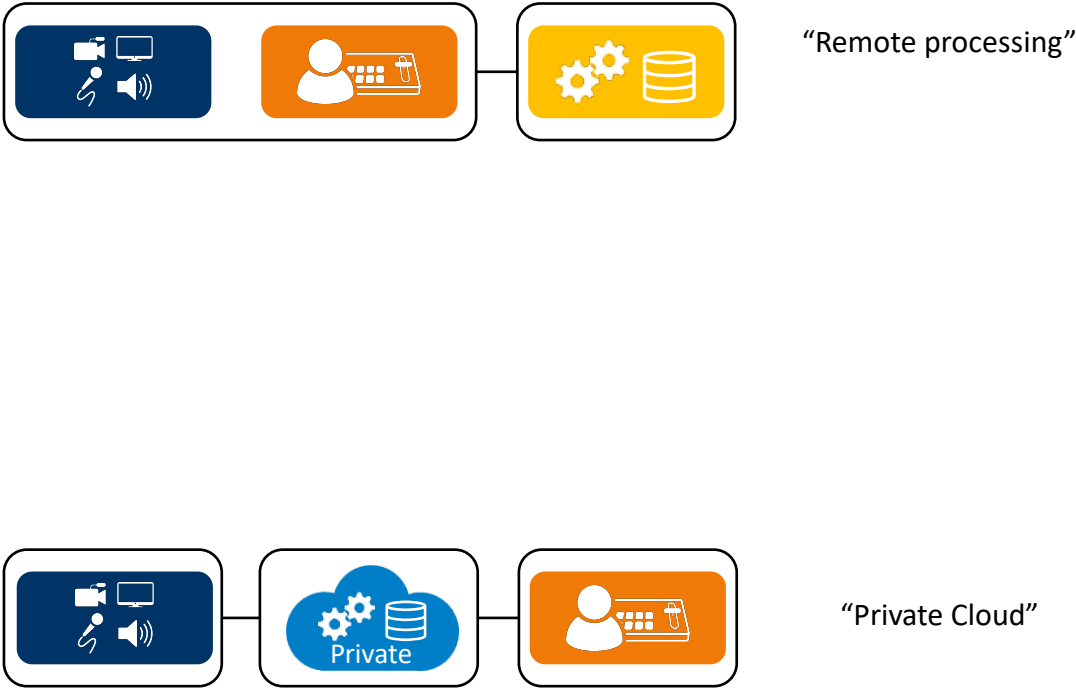
Remote production models



DPP models



Additional Neviion models



Source: thedpp.com/glr

The ST2110 suite & NMOS



SYSTEM -10 	VIDEO -20 	AUDIO -30 	AES3-32 bit AUDIO -31 	ANCILLARY DATA -40 	TIMING -21
COMPRESSED VIDEO -22 	MULTI-PART VIDEO -23 	SD VIDEO -24 	FAST METADATA -41 	FMX -42 	2022-8 COMPOSITE
BCP-003-0x Security suite 	IS-04 Discovery and Registration	IS-05 Connection Management	IS-07 Event and Tally	IS-08 Audio Channel Mapping	IS-09 System



Multi-location requirements

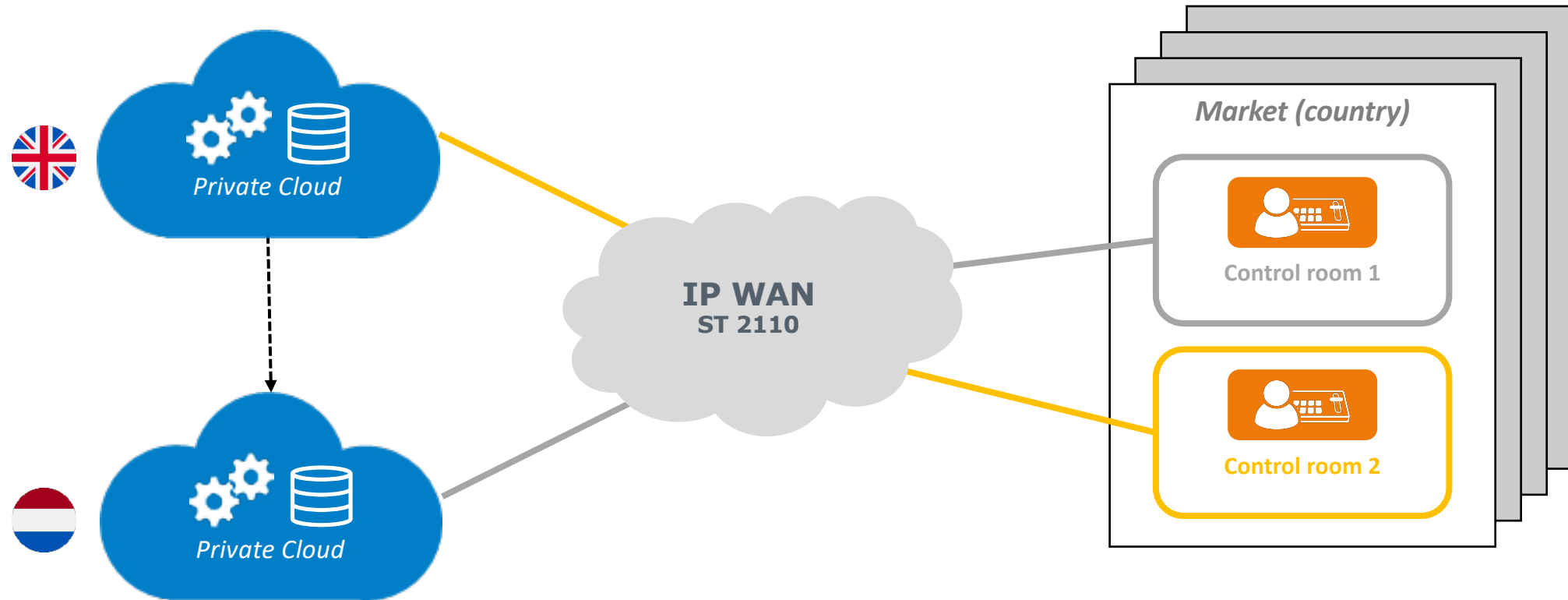


Full autonomy

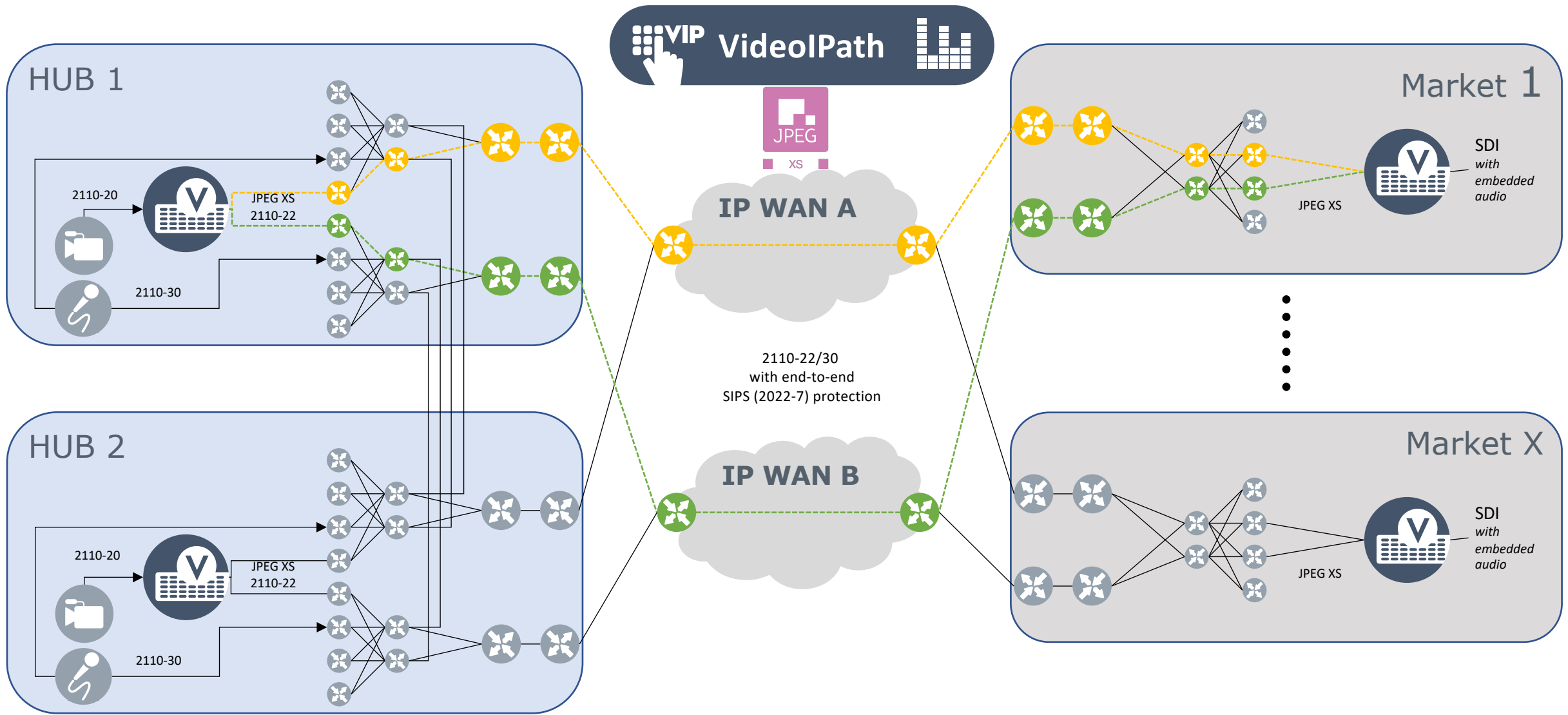
Resilience

Full sharing

Case study 1: private Cloud production



Connectivity



Case study 2: 2110 LAN/WAN solution



 2110 WAN
Orchestration & SDN control 

 2110 LAN
Orchestration & SDN control 



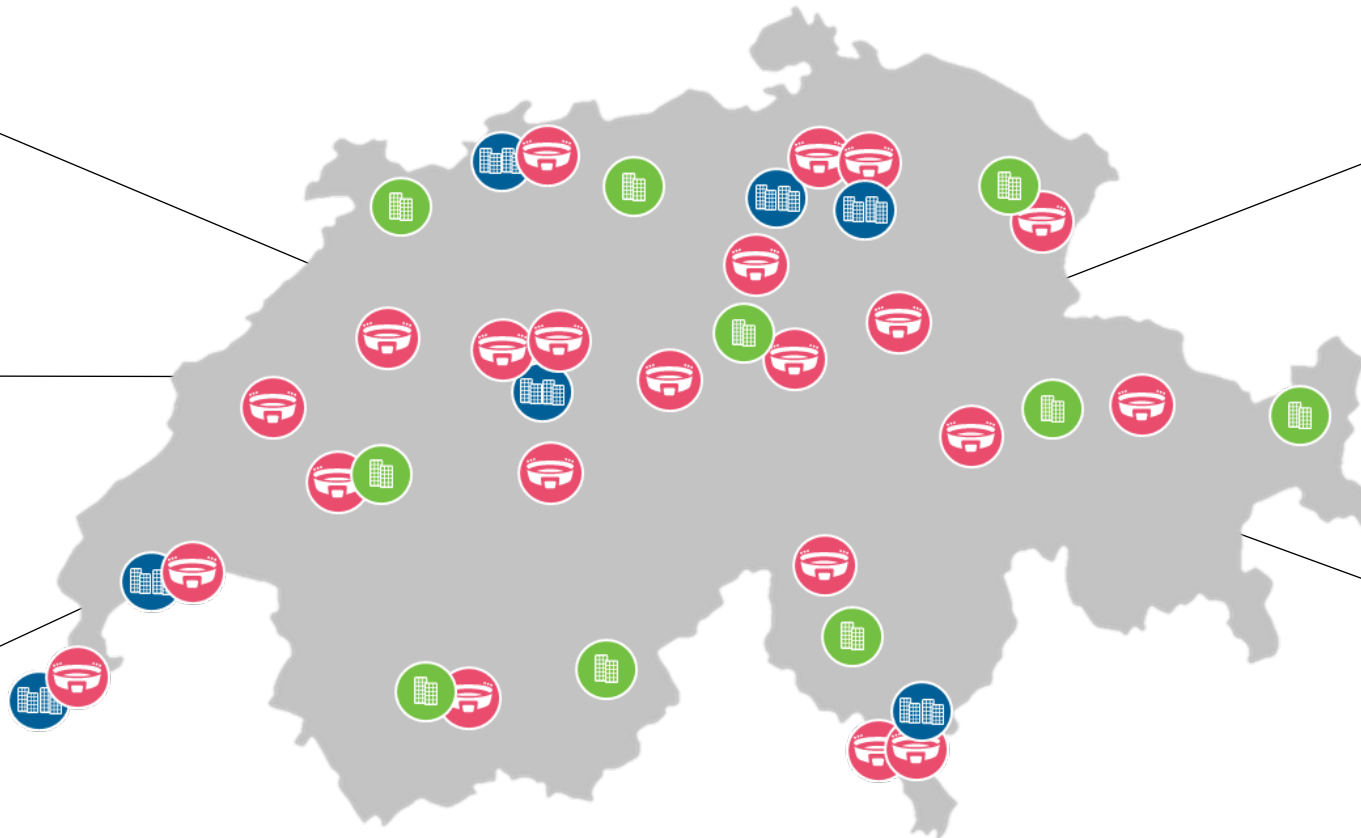
Main locations



Regional locations



Sports venues

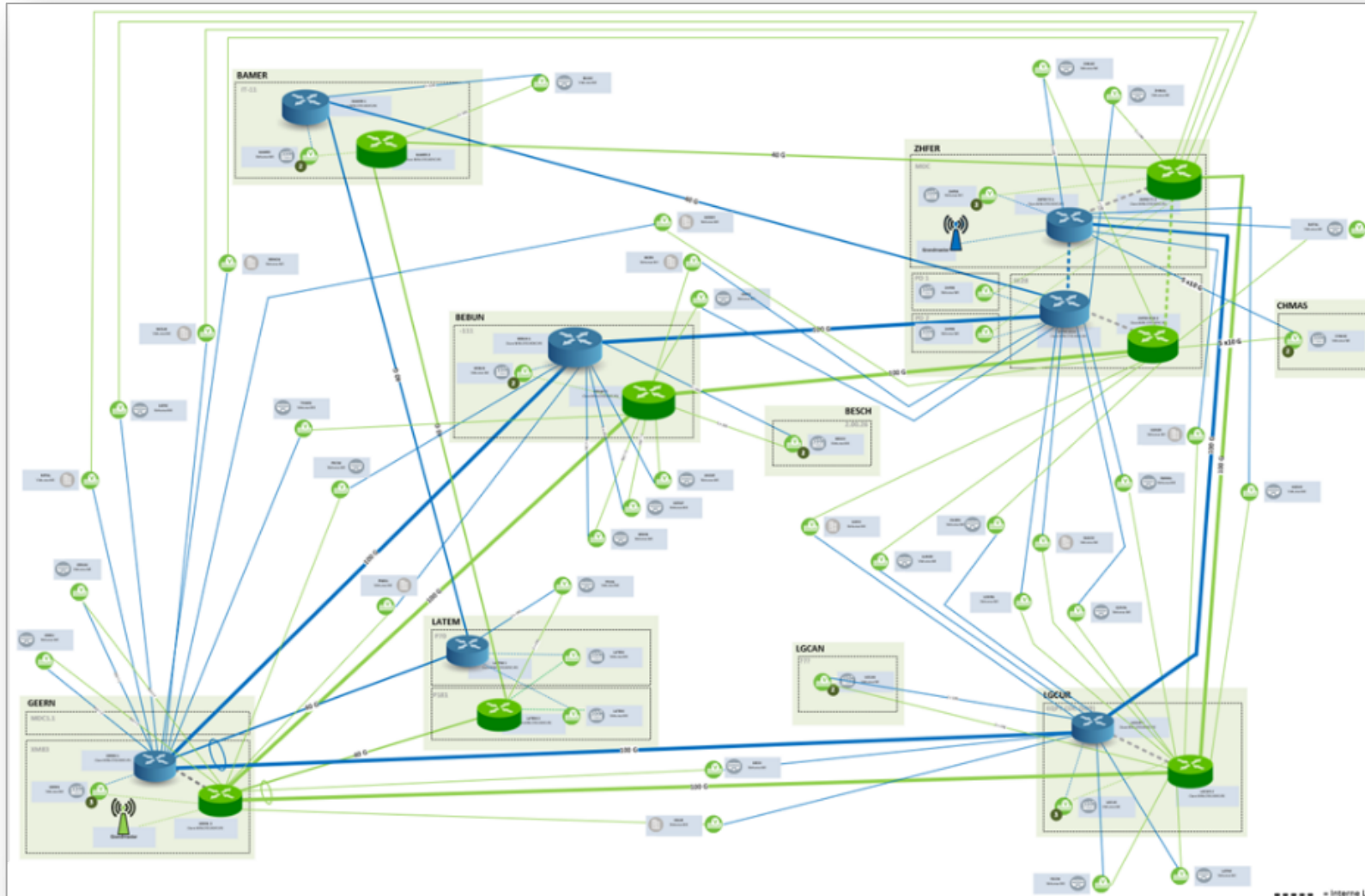


IP Facility

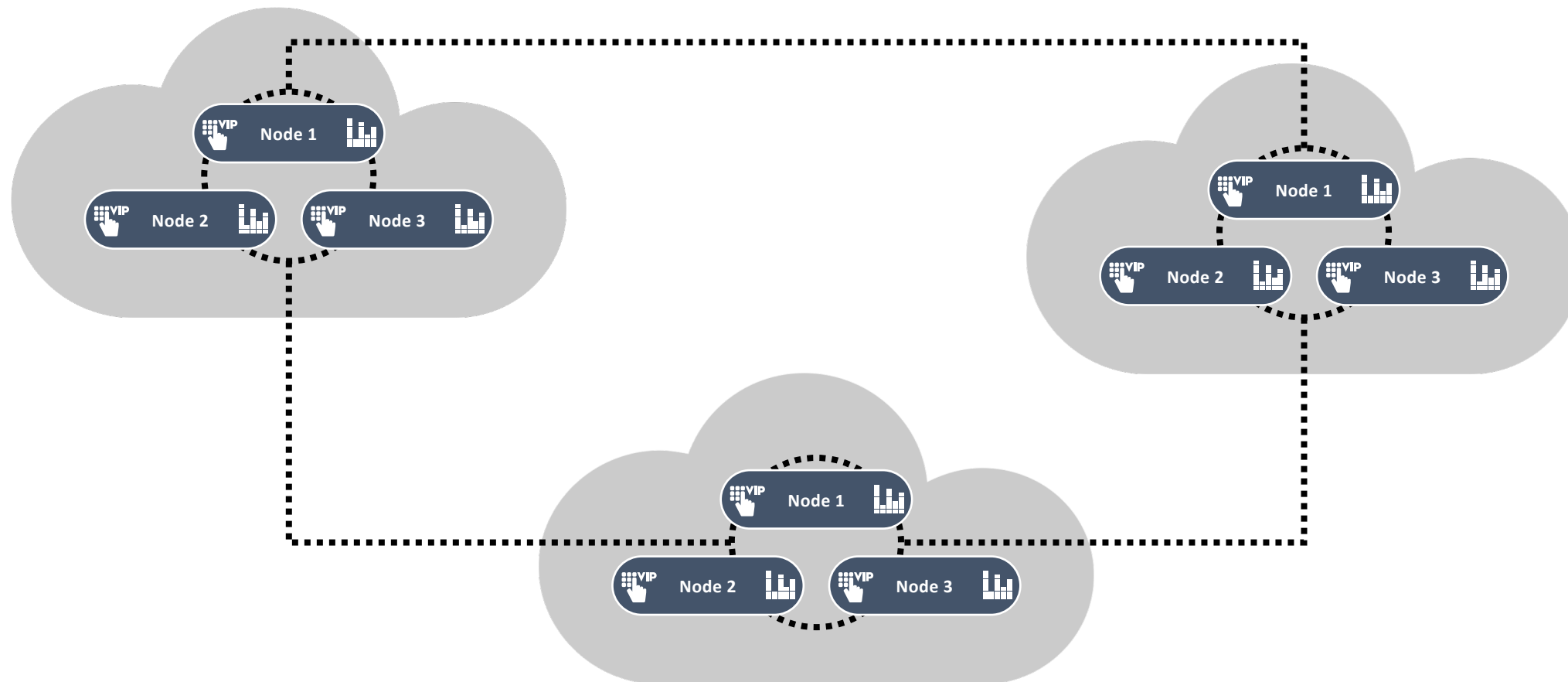


Other locations

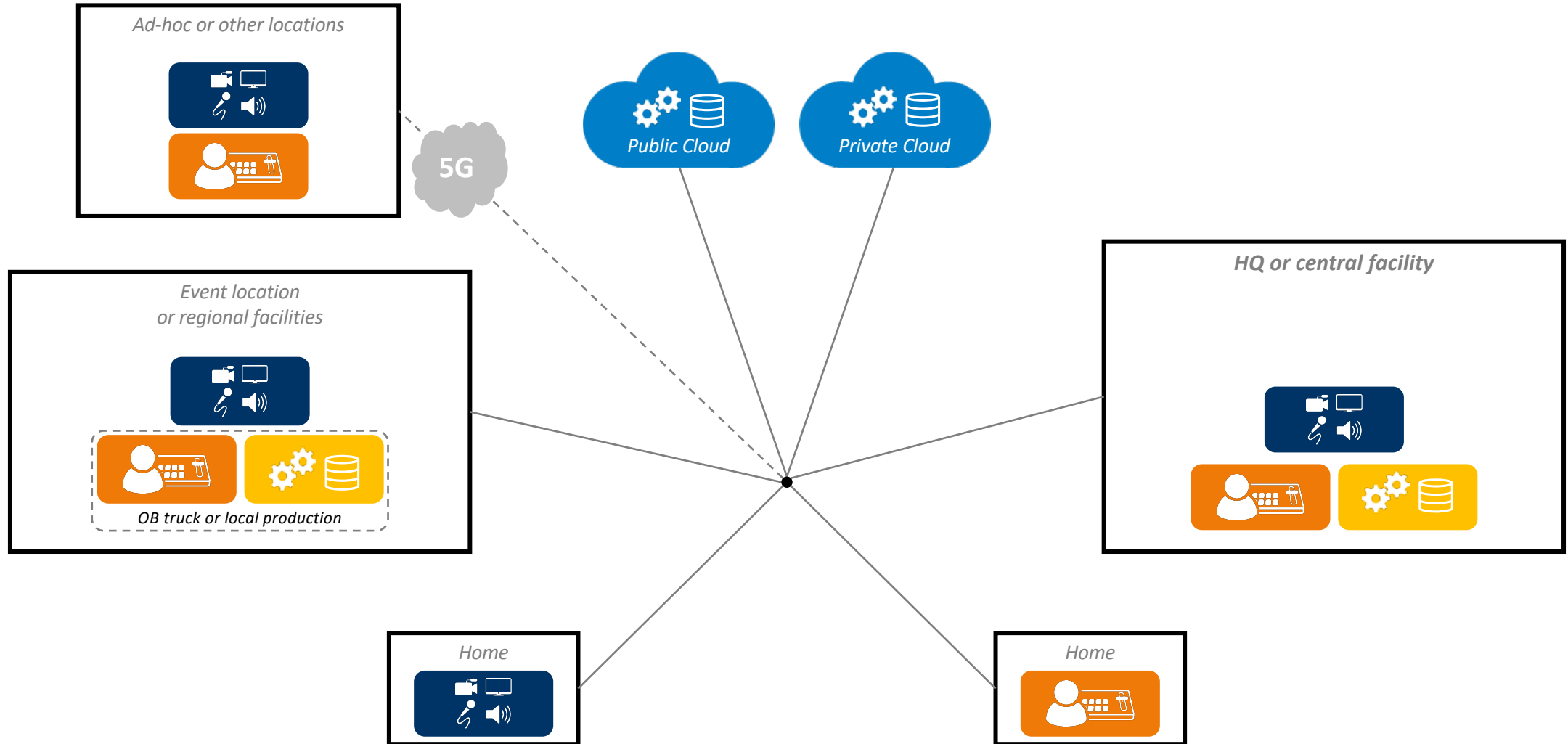
Full network overview



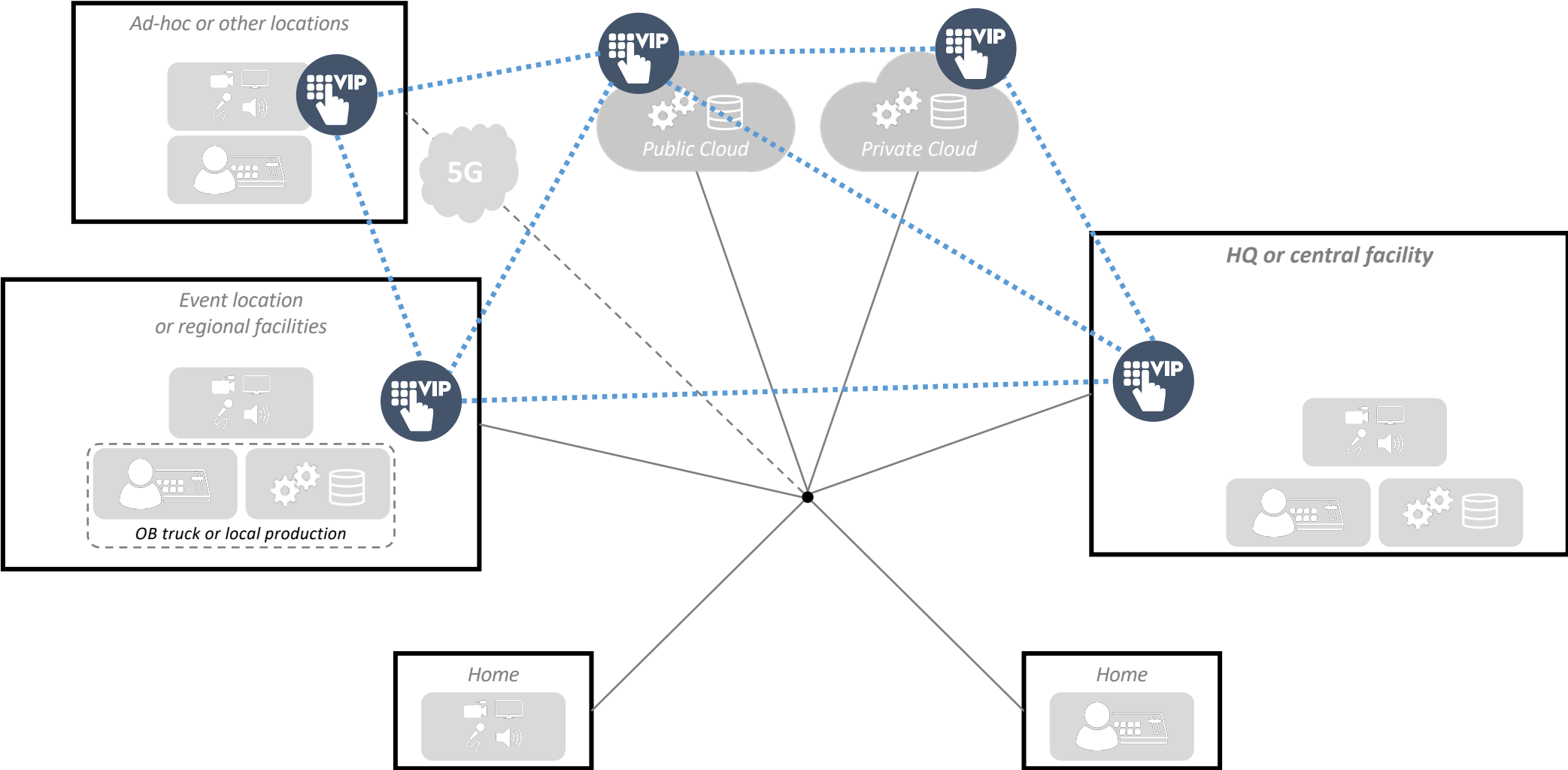
Orchestration federation



Fully distributed production capability



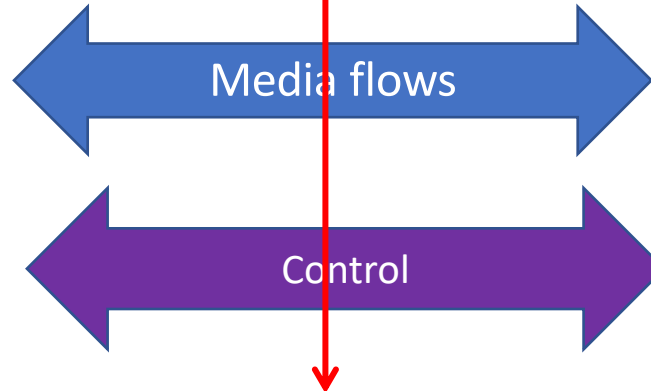
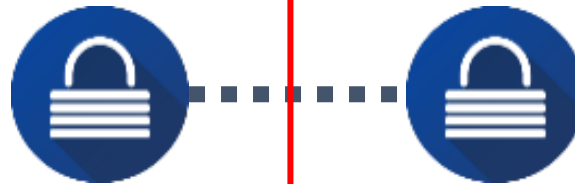
Federation enables distributed production



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



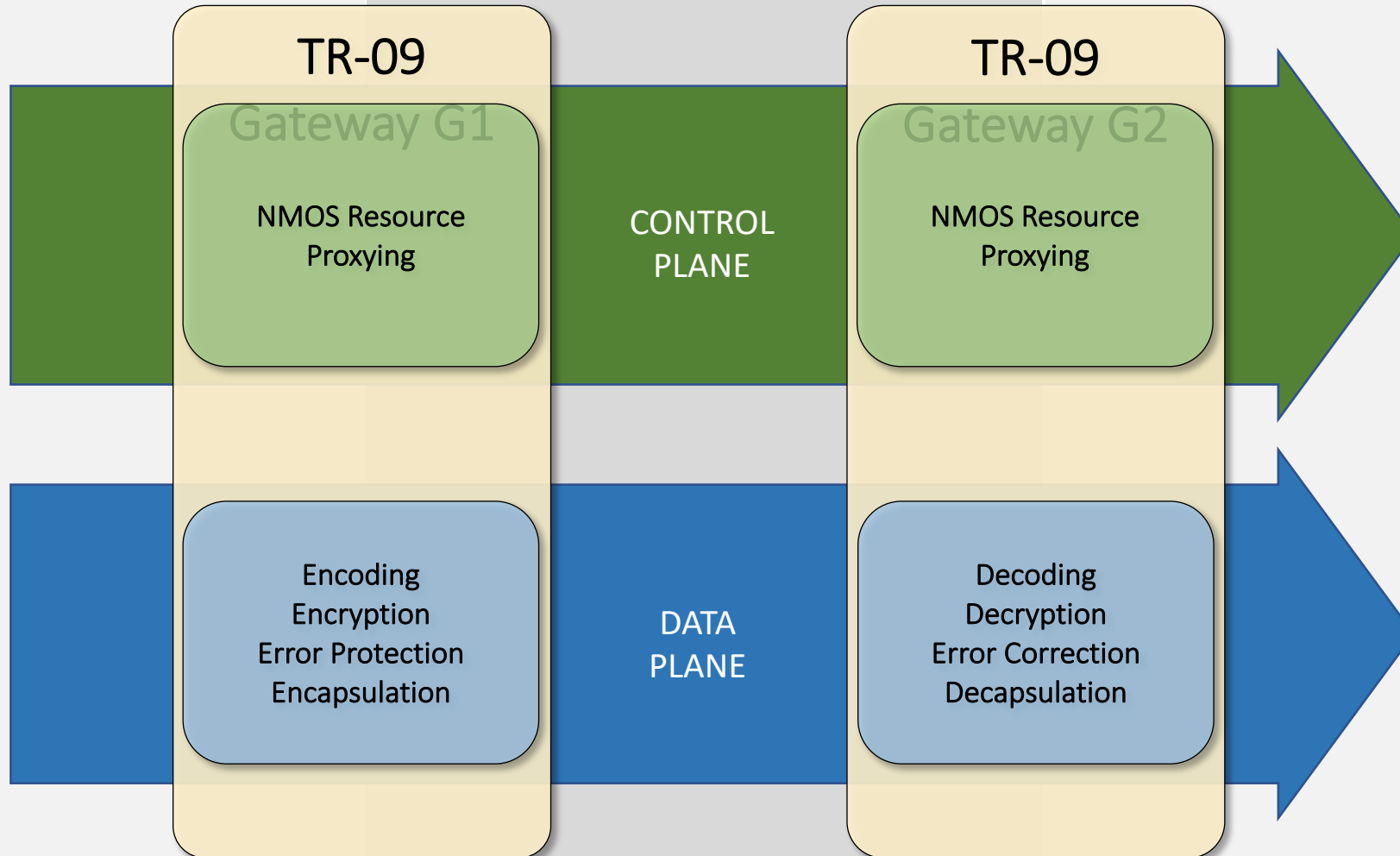
ST2110-WAN



Facility 1

WAN

Facility 2



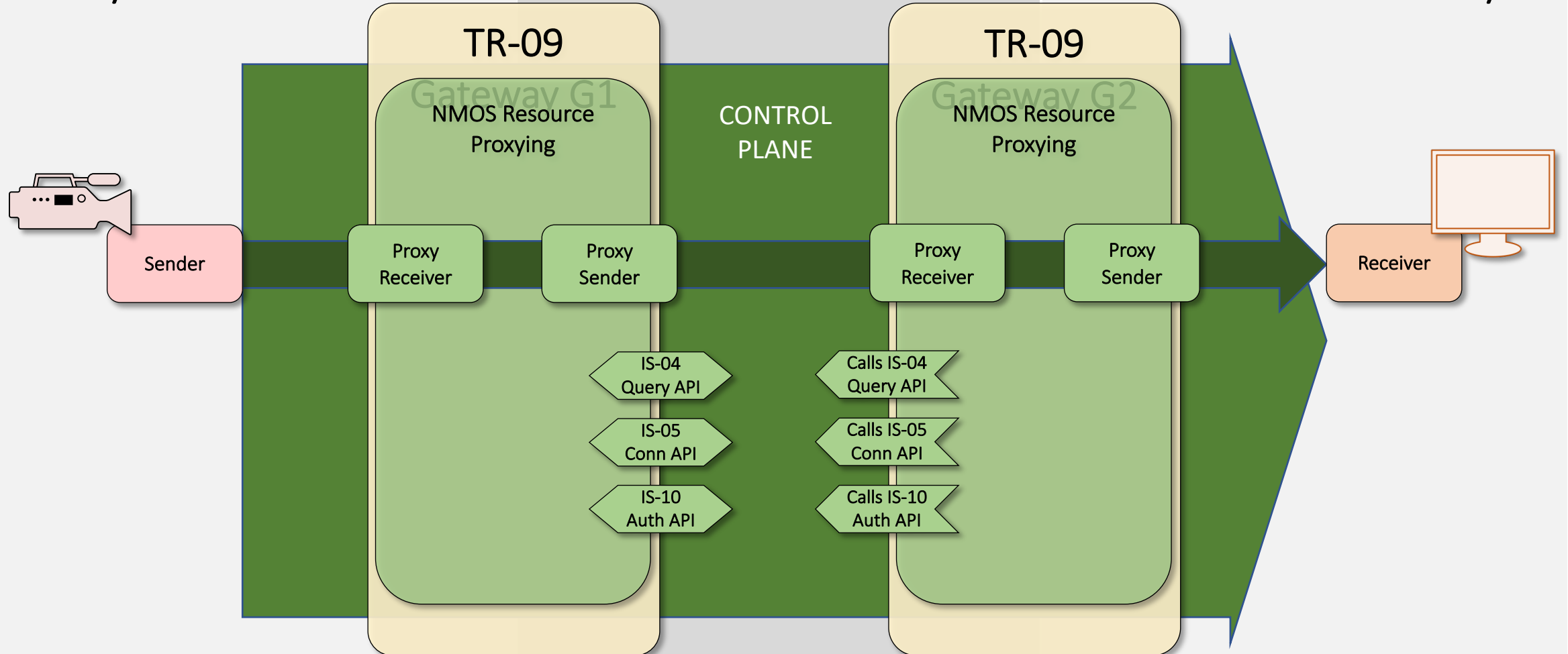
2110-WAN control plane



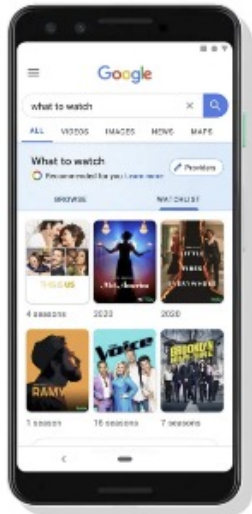
Facility 1

WAN

Facility 2



5G – update here tomorrow 11:30



Mobile consumption



Fixed consumption



Mobile production

Thank you!



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nevision
A Sony Group Company

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

Any Questions?

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