

Facility federation

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IP SHOWCASE

Facility federation

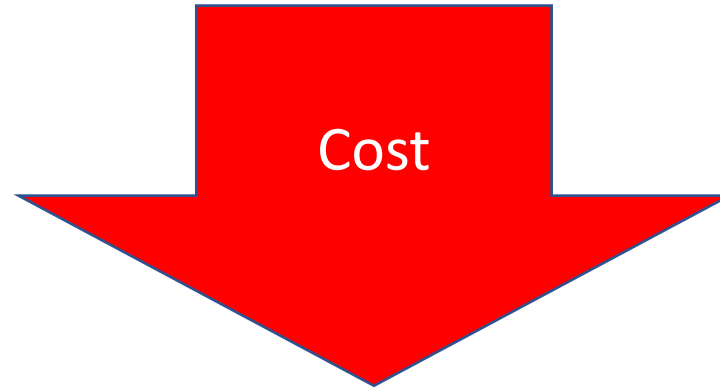
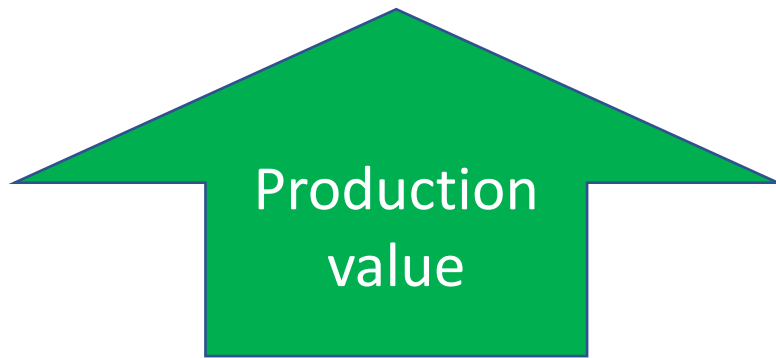


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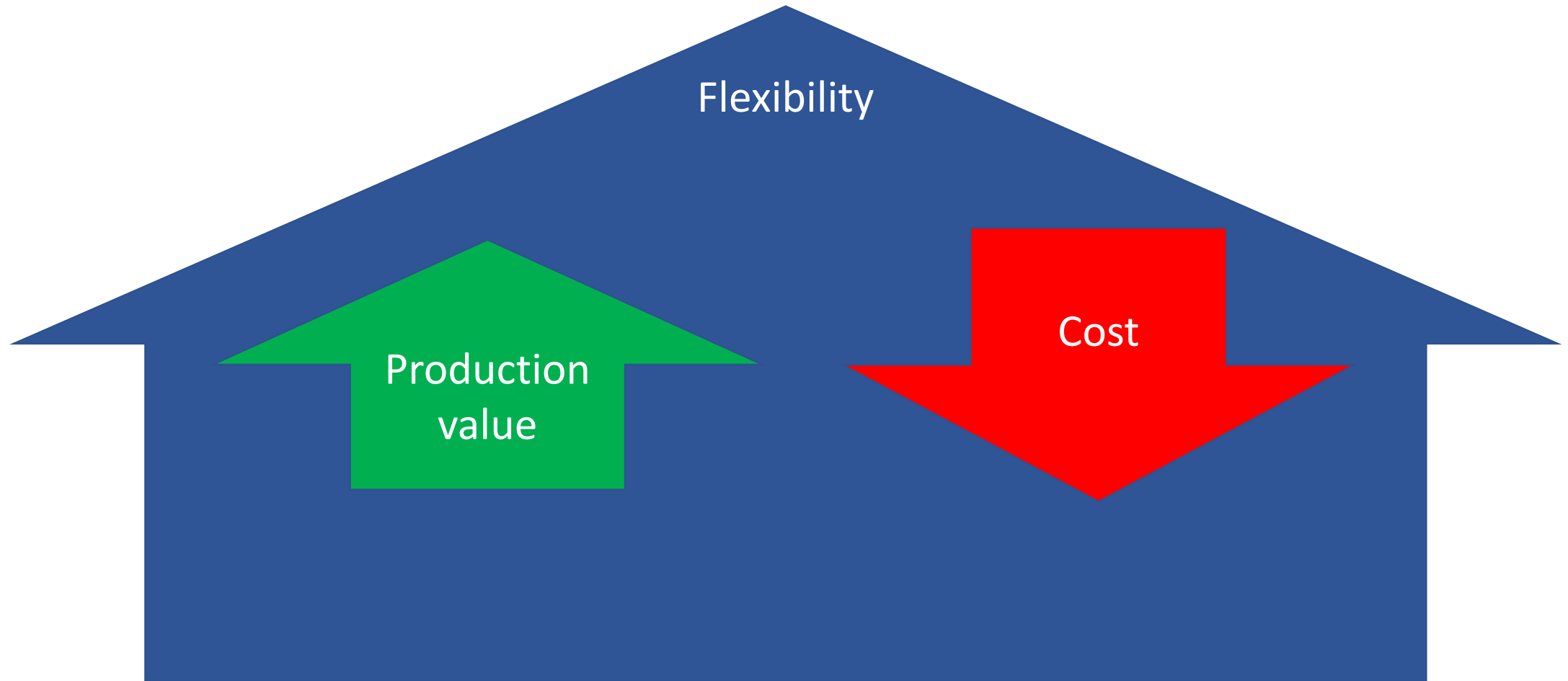


Come and catch up on the Sony stand C10901 in the Central Hall

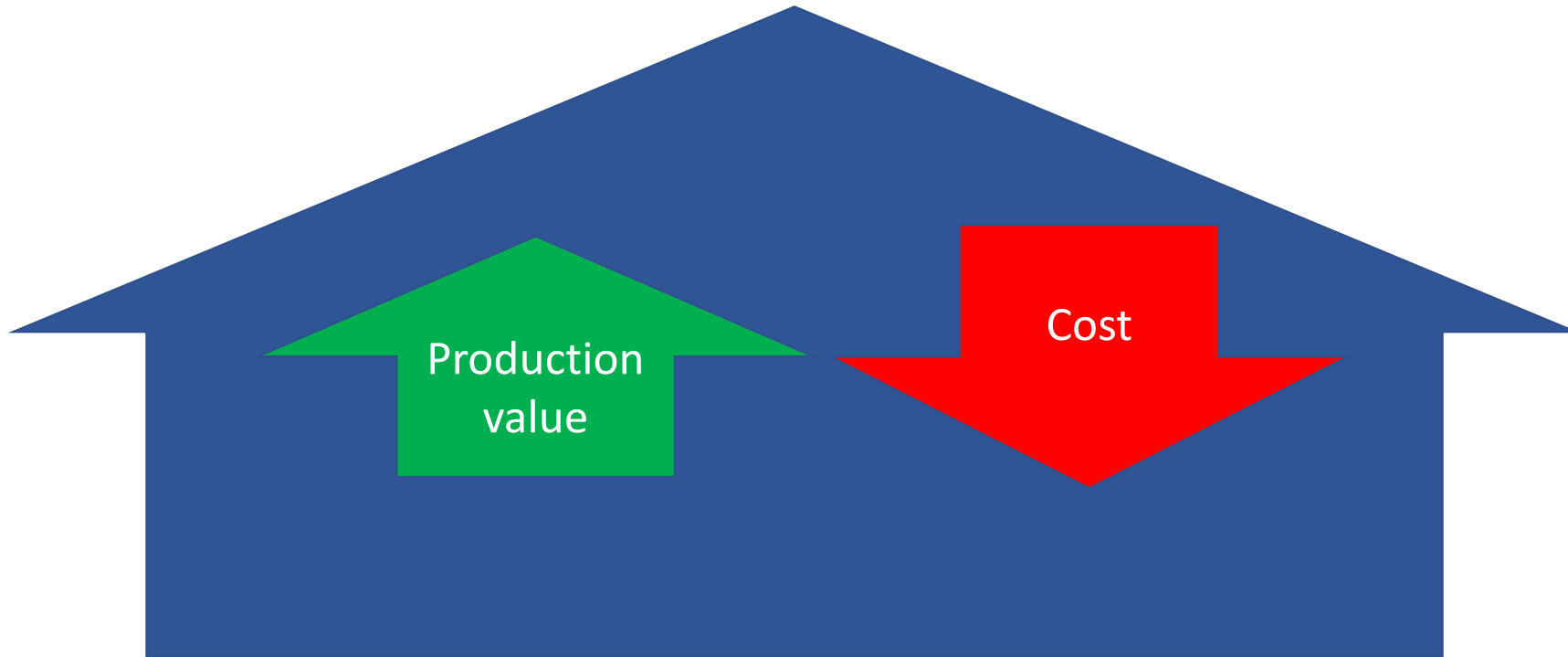
Content producer desires



Content producer desires



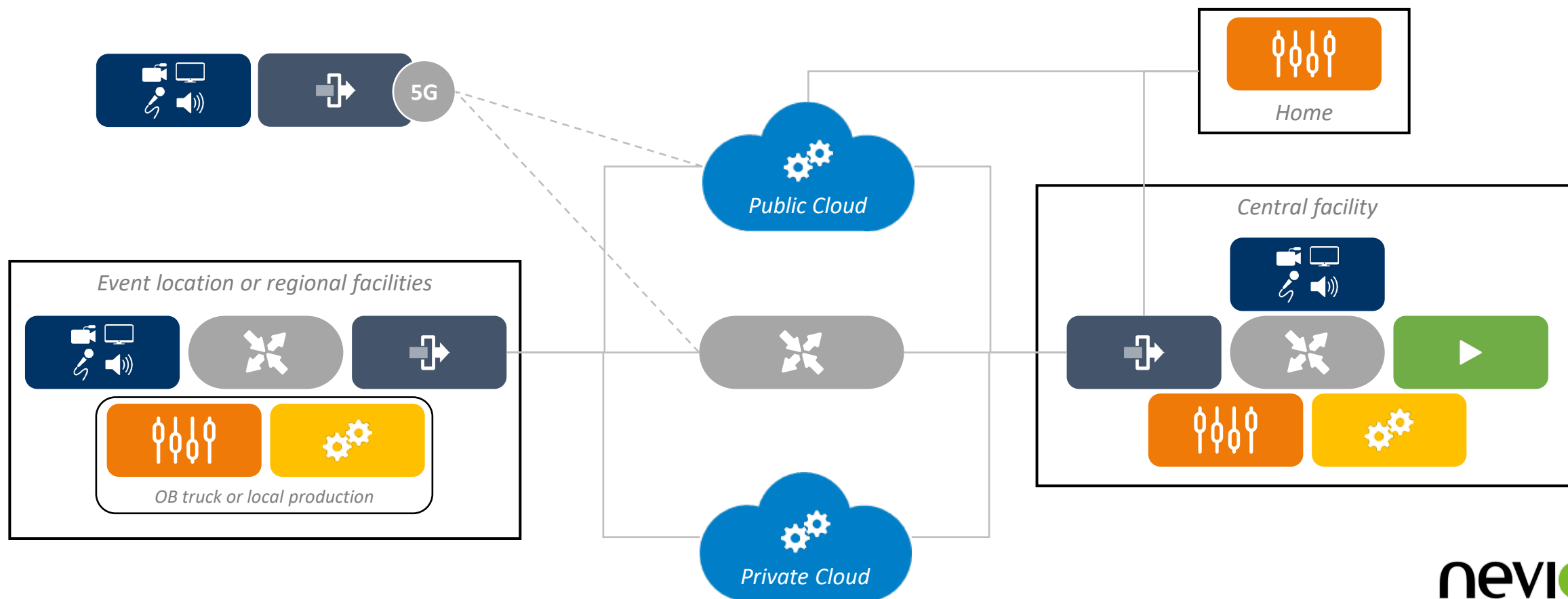
Content producer desires



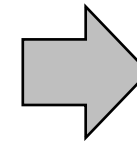
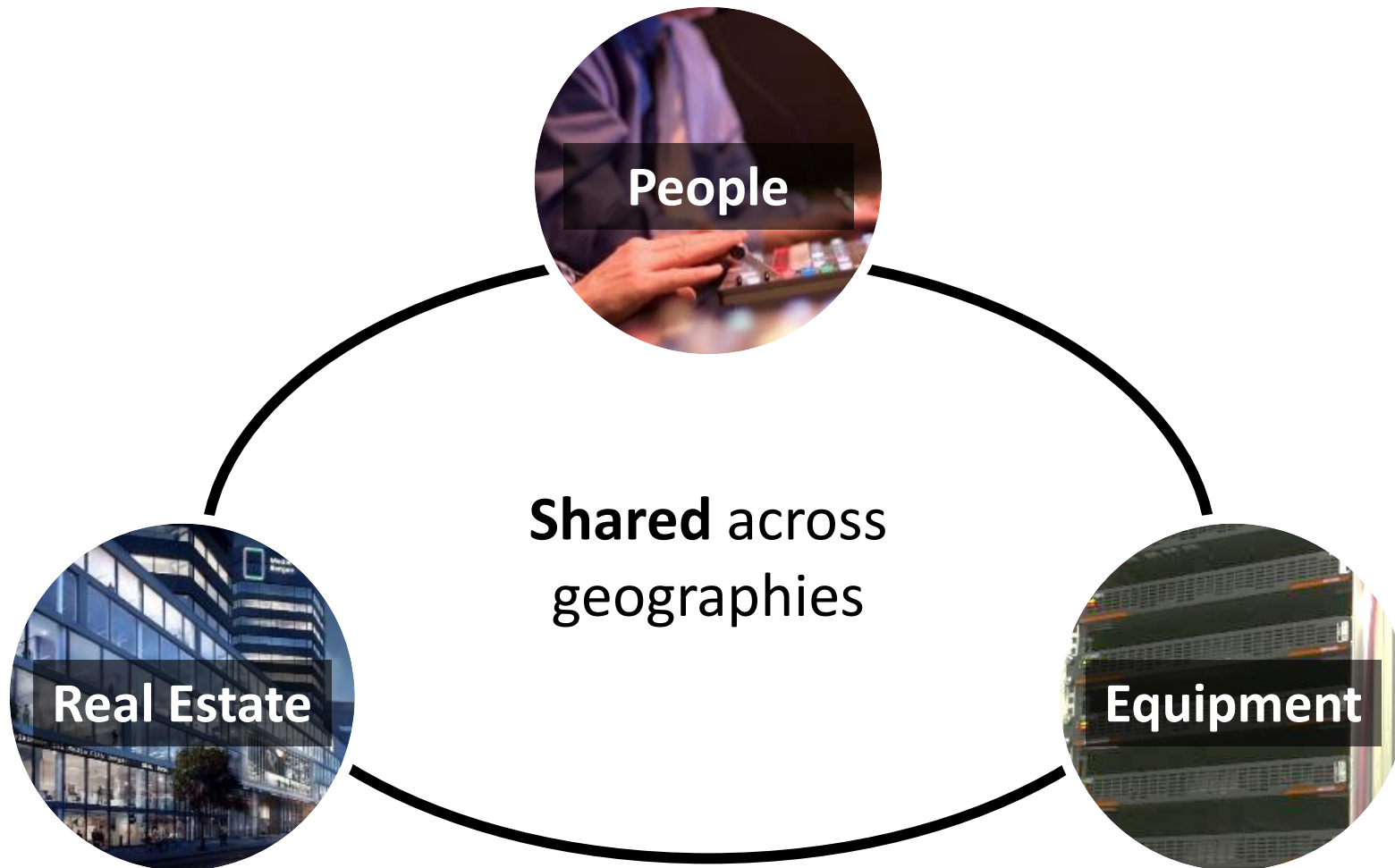
Distributed production



Management



IP is transforming production workflows



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

The journey of IP production flexibility



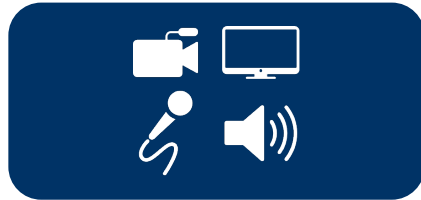
**IP WAN
infrastructure:**
Leverage ubiquity
Resilience
Flexibly routing
Service continuity

**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.

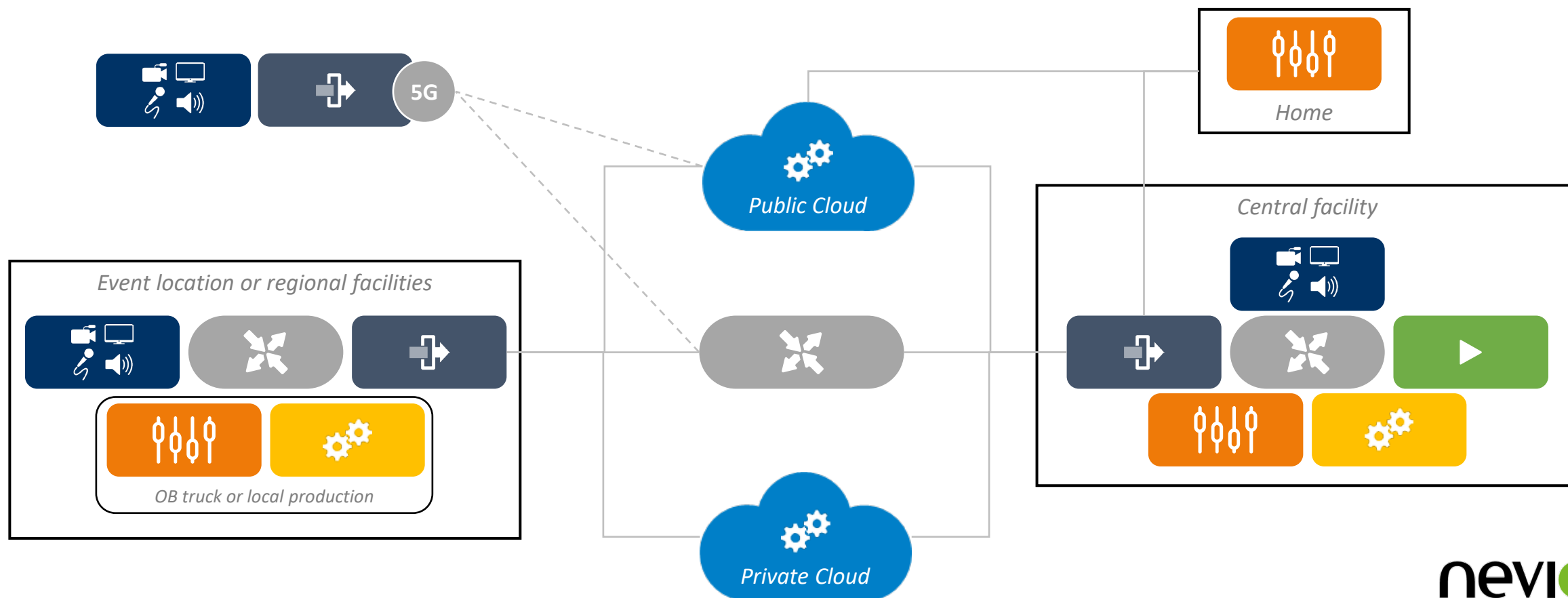


Control locations

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

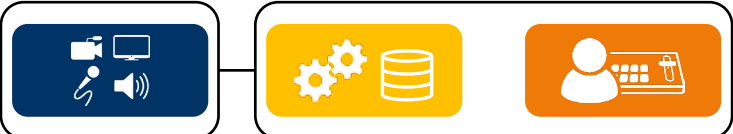
“On location”



“Remote controlled”



“Centralized”



“Distributed”



“Cloud”



Additional Neviion models

“Remote processing”



“Private Cloud”



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

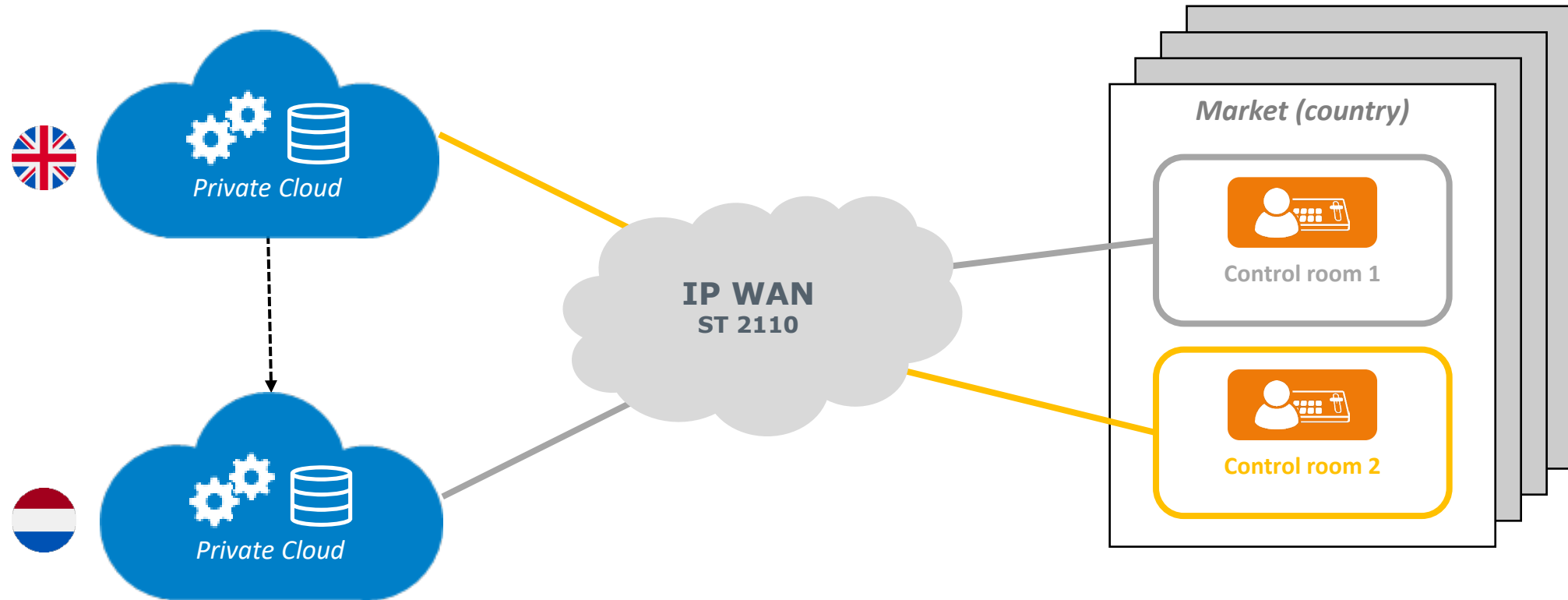


Full autonomy

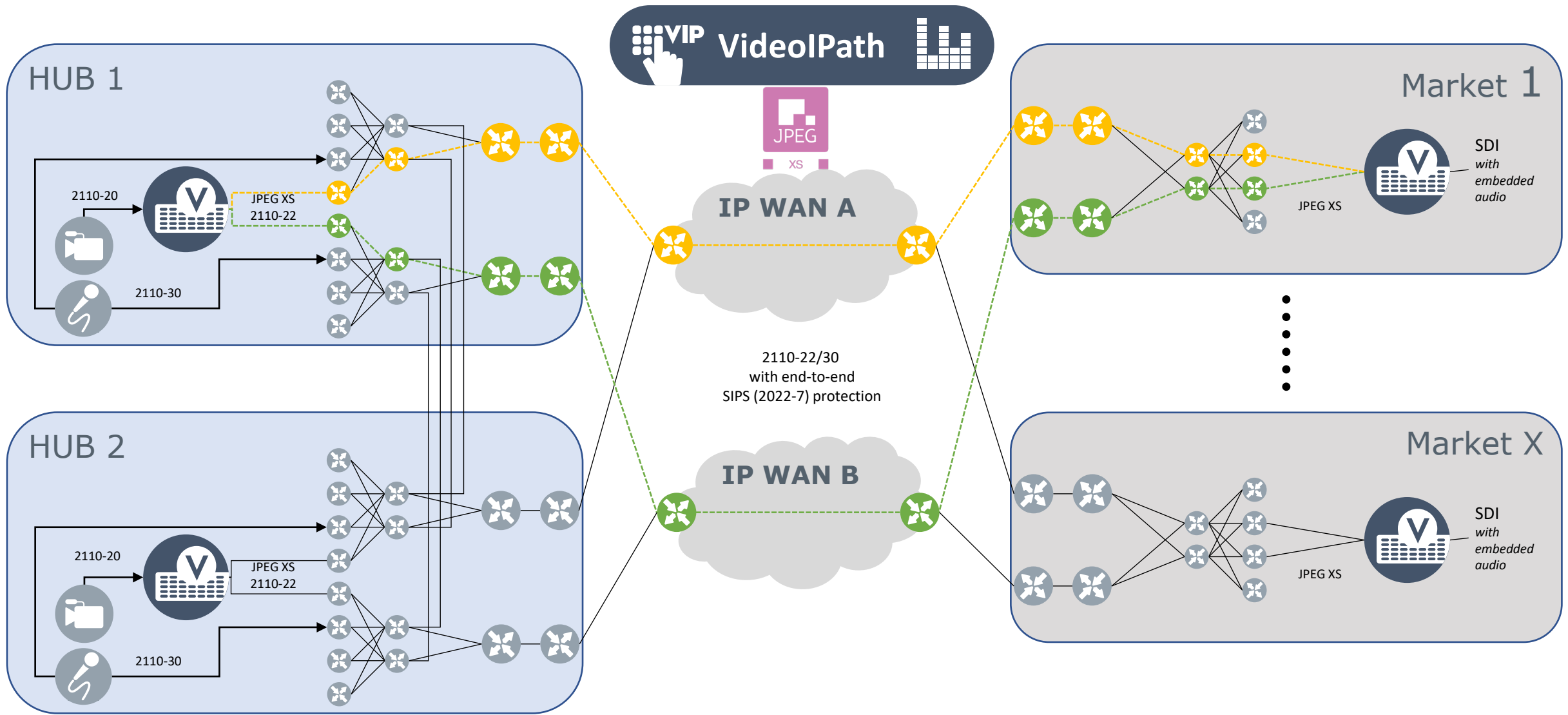
Resilience

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 



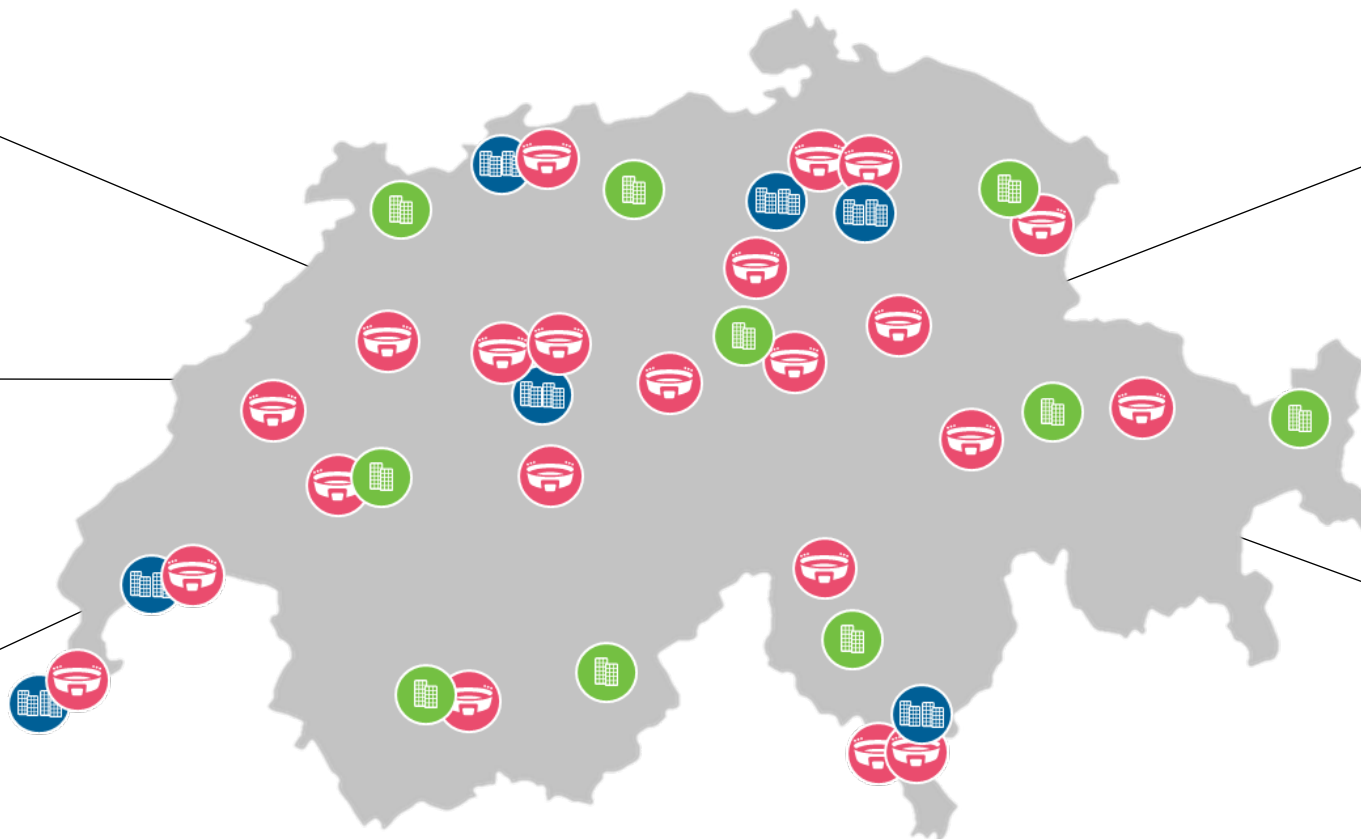
Main locations



Regional locations



Sports venues

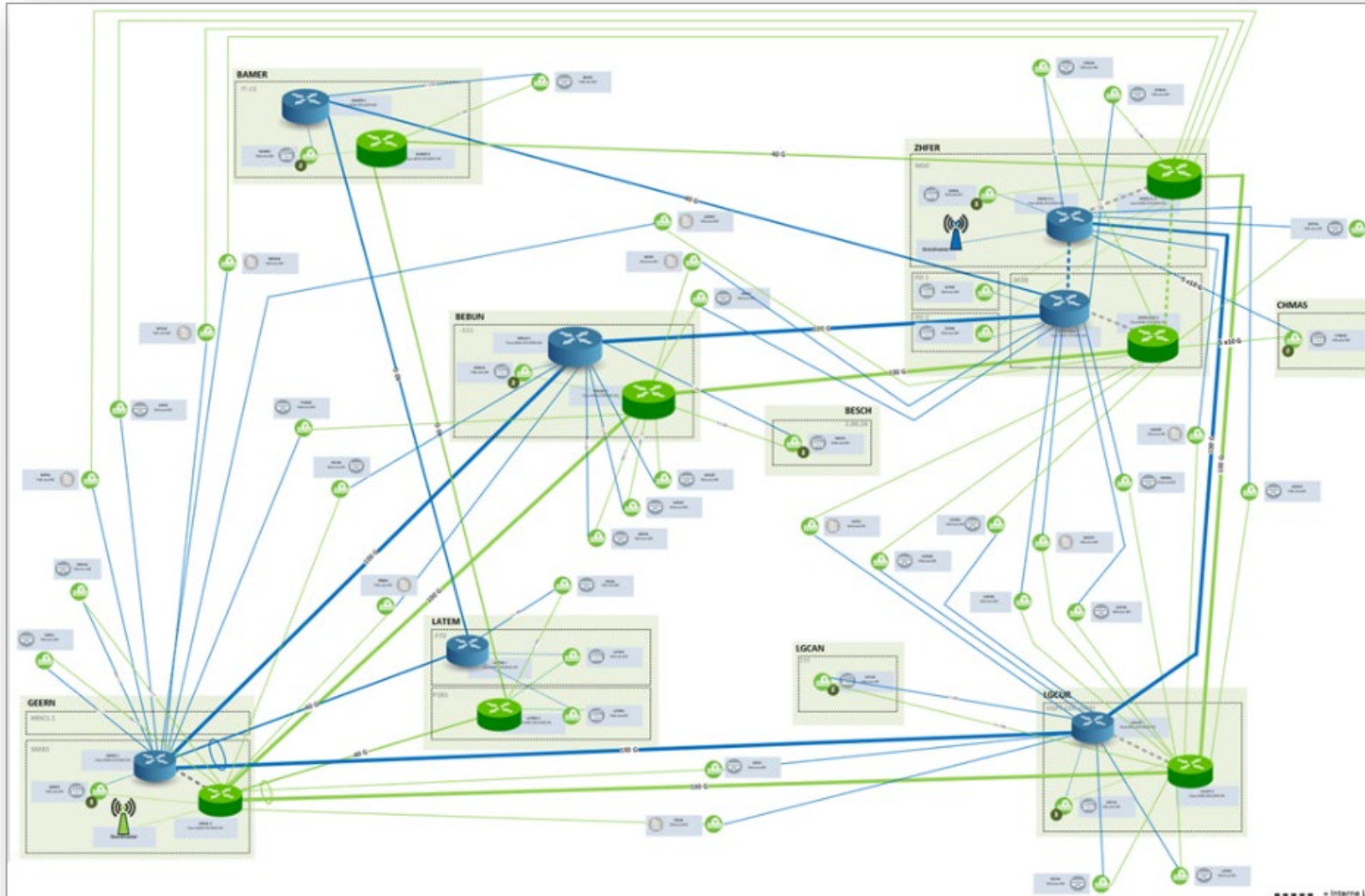


IP Facility

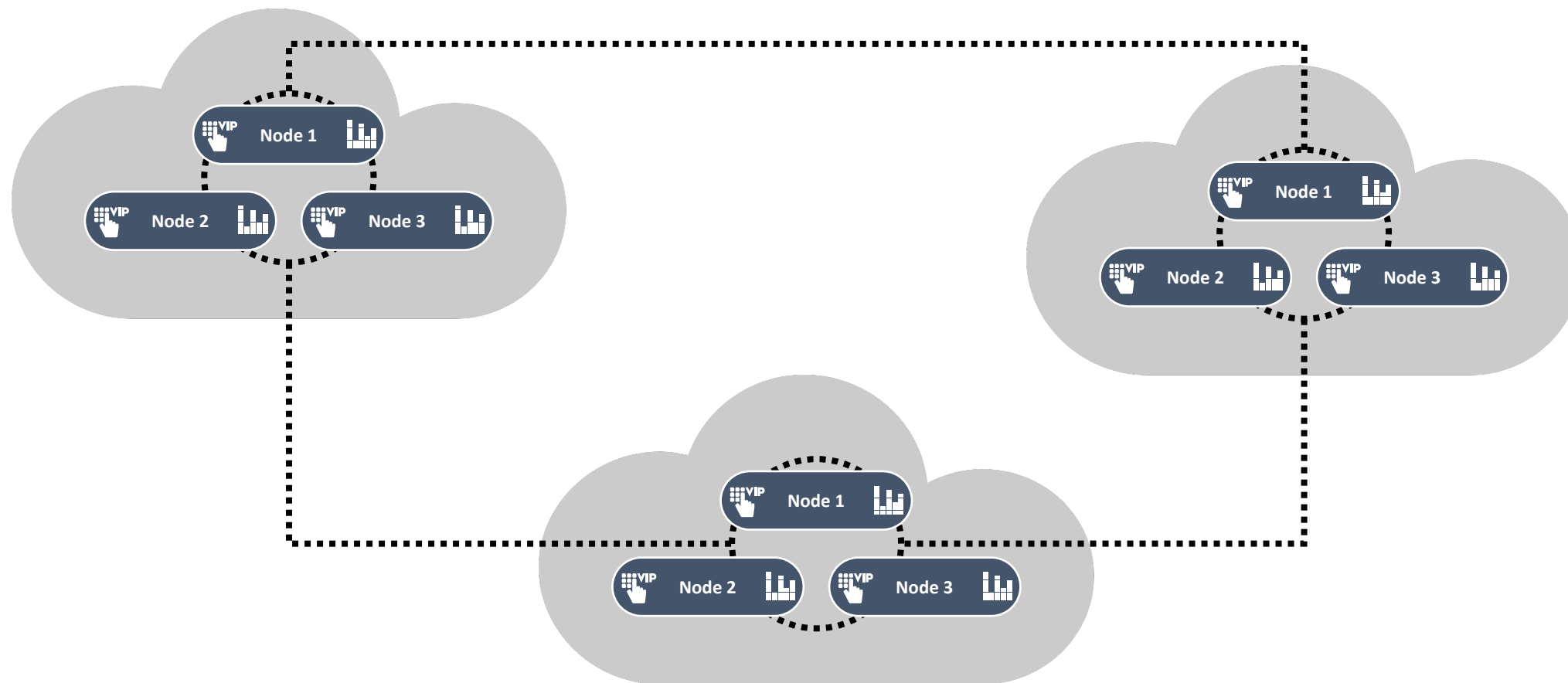


Other locations

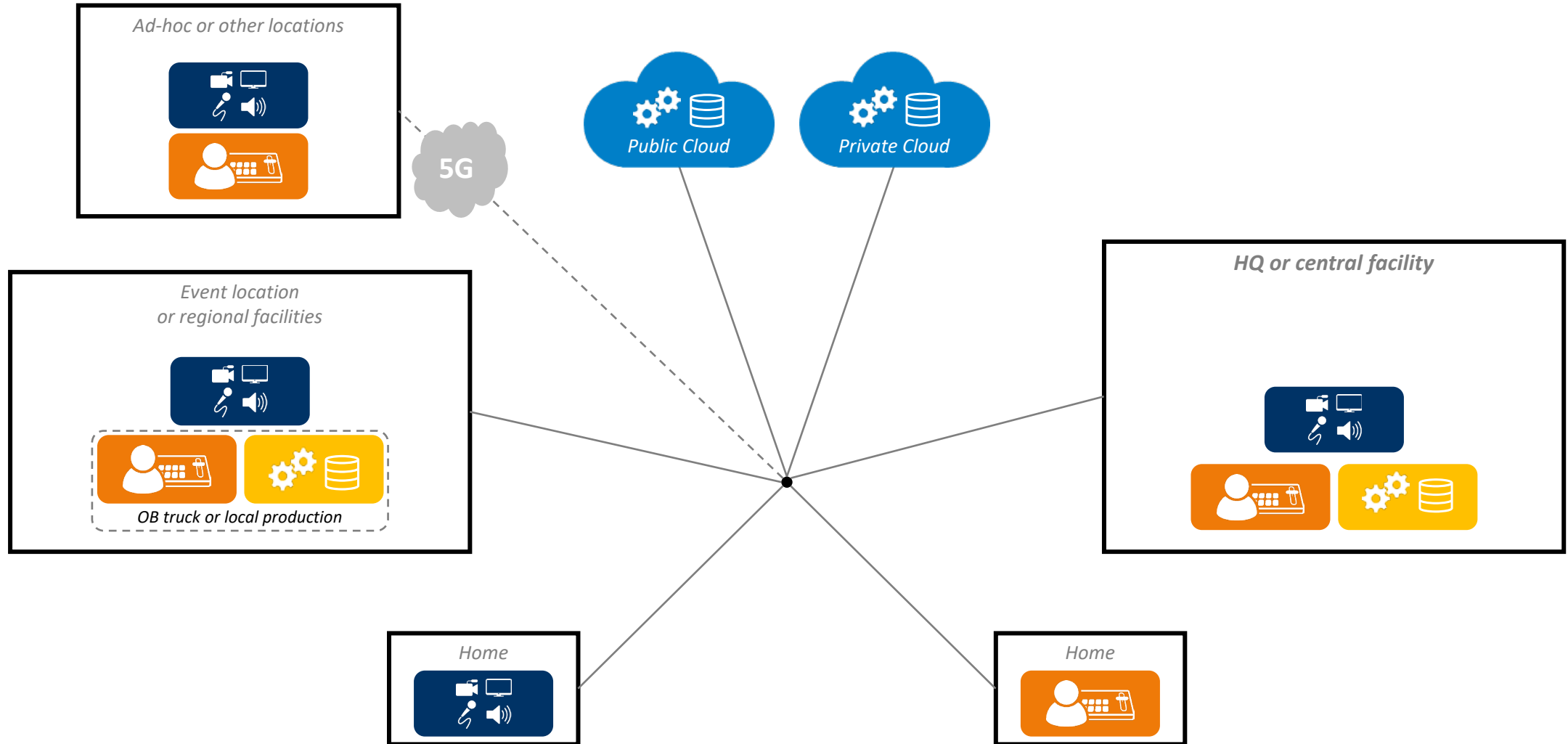
Full network overview



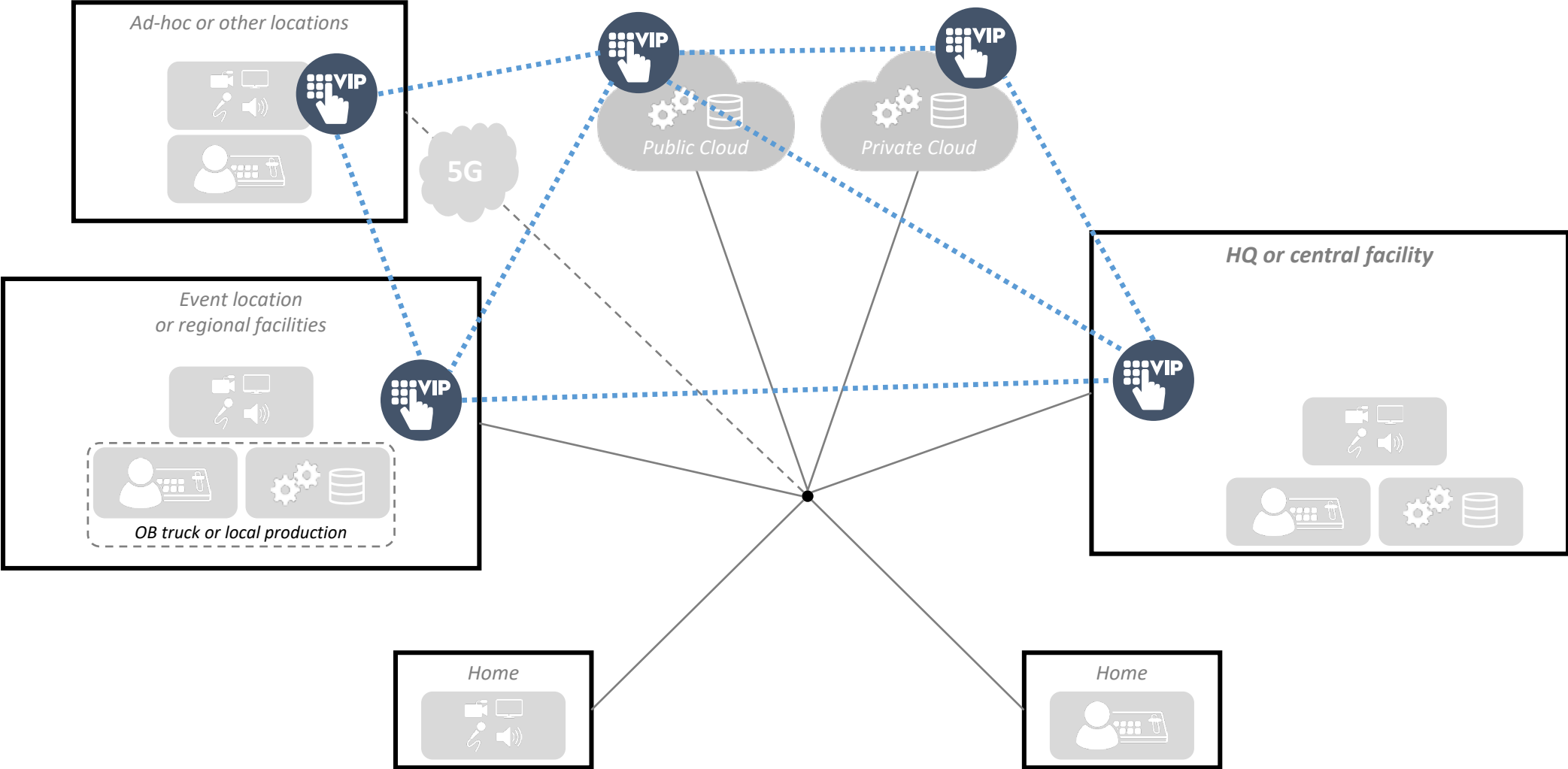
Orchestration federation



Fully distributed production capability



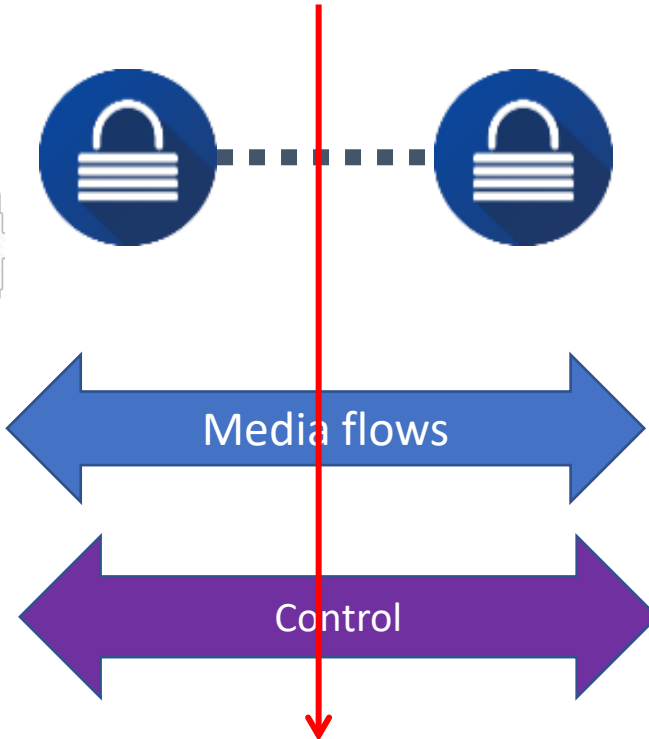
Federation enables distributed production



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



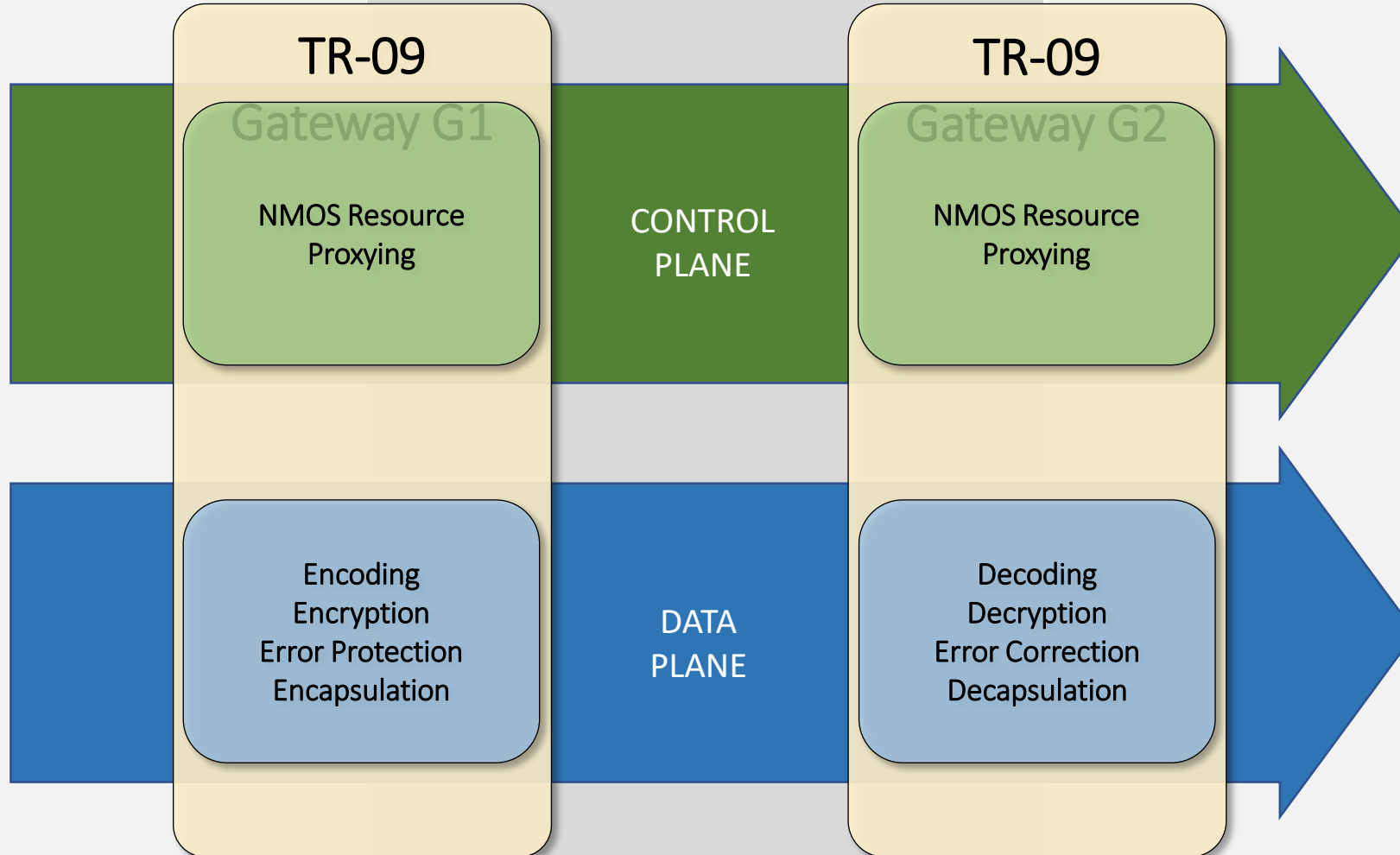
ST2110-WAN



Facility 1

WAN

Facility 2

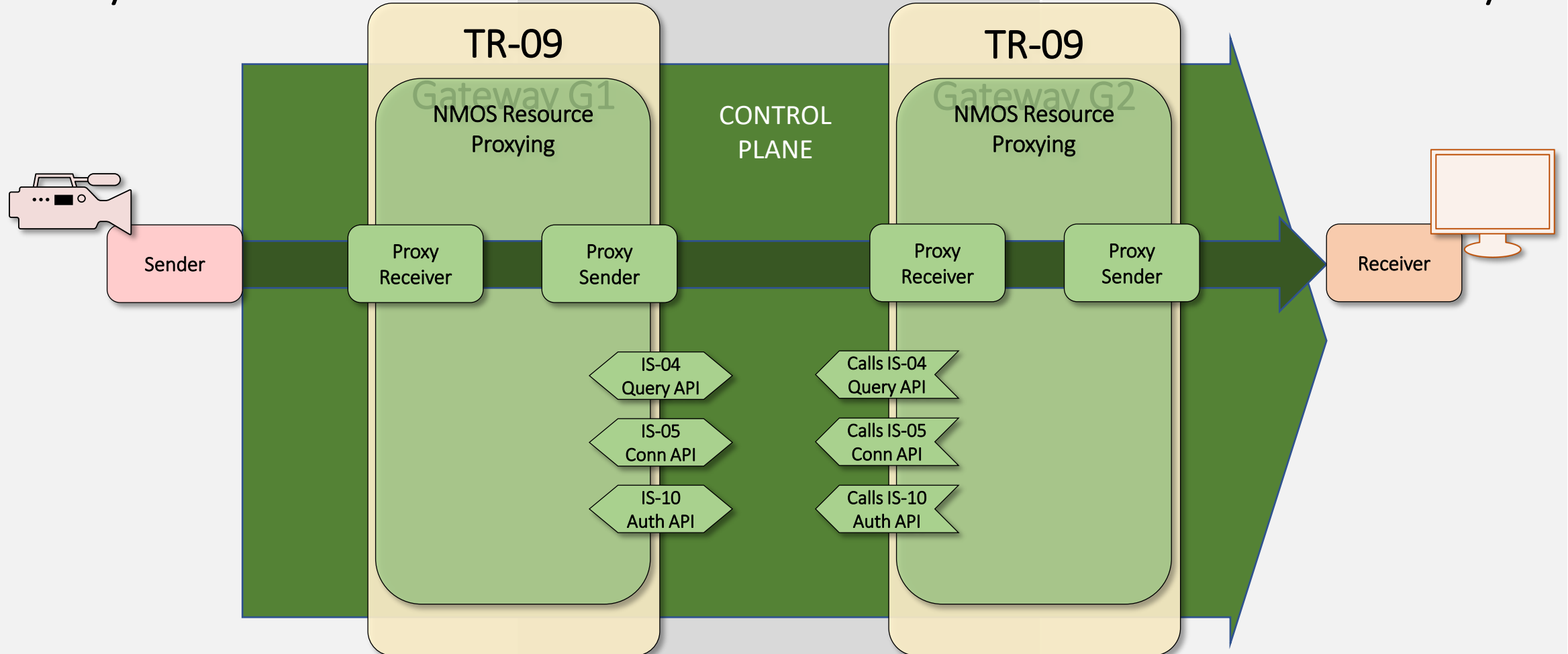


2110-WAN control plane

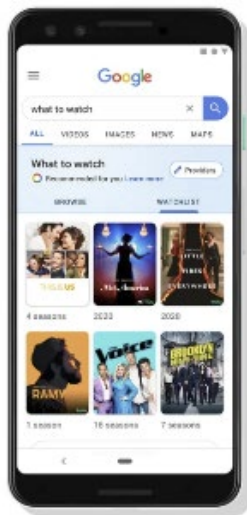
Facility 1

WAN

Facility 2



5G – update here tomorrow 11:30



Mobile consumption



Fixed consumption



Mobile production

Thank you!



Andy Rayner

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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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