

Distributed production & use cases

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Come and catch up on the Sony stand in Hall 13



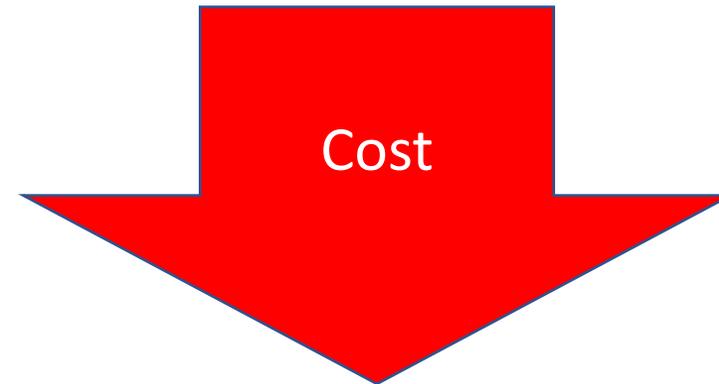
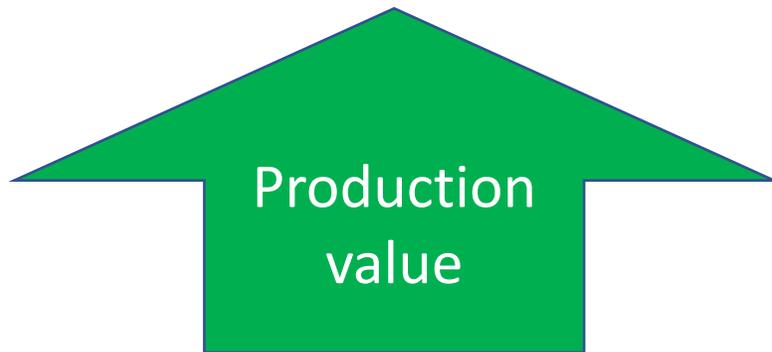
Queen Elizabeth II 1926-2022



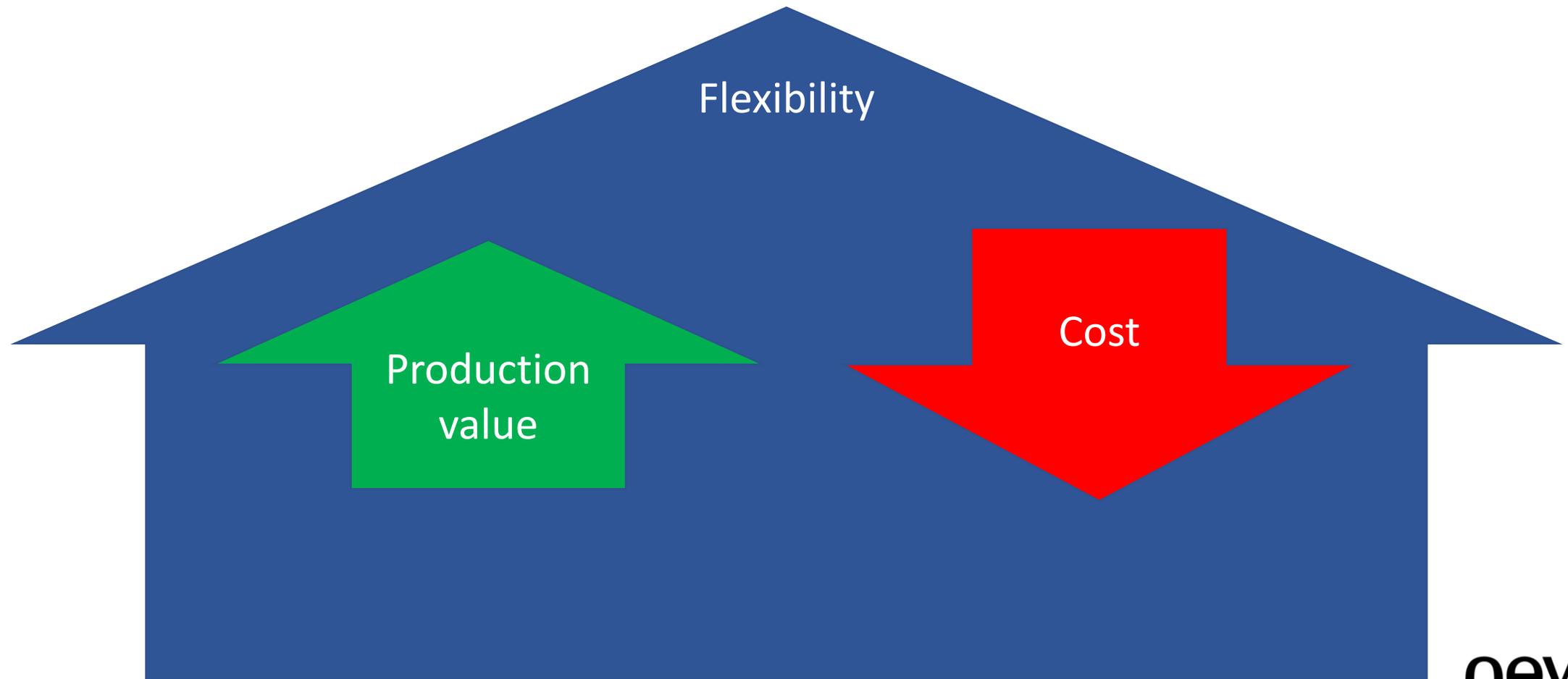
The Queen
and I



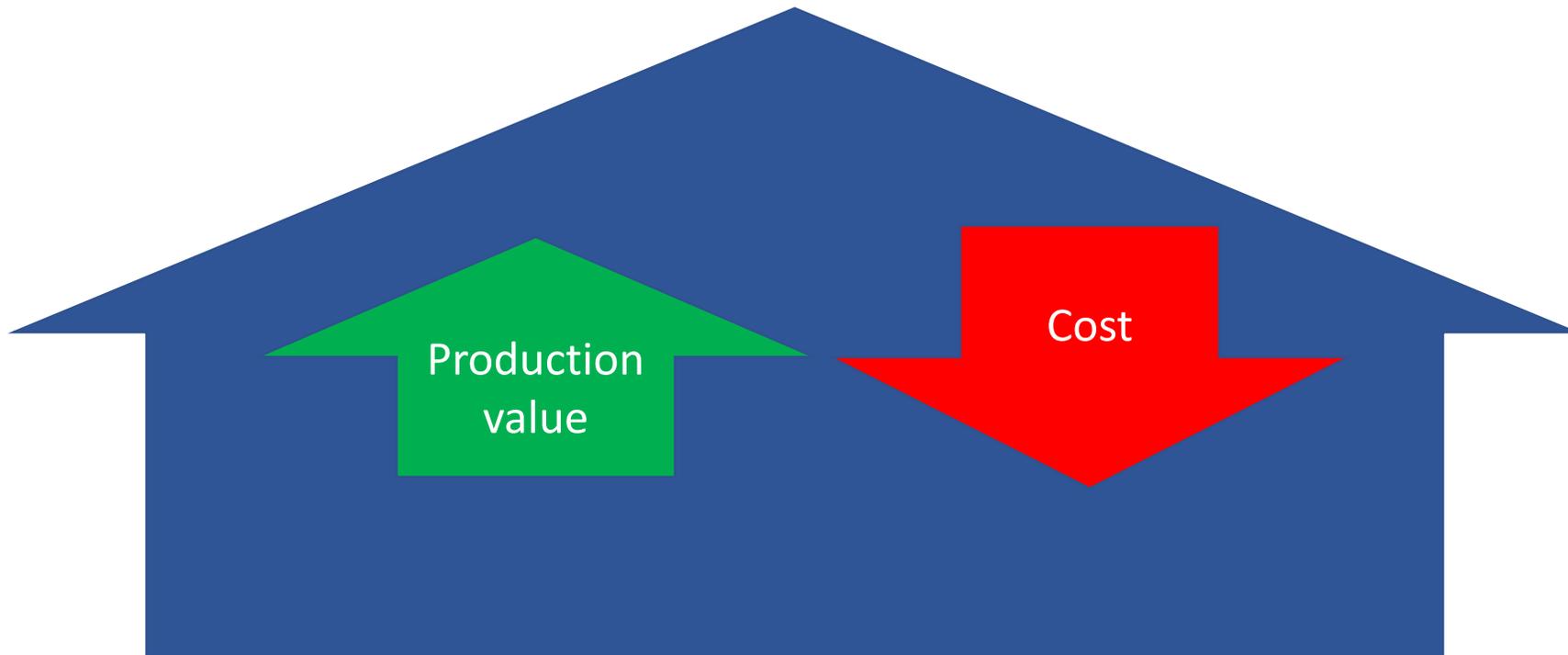
Content producer desires



Content producer desires

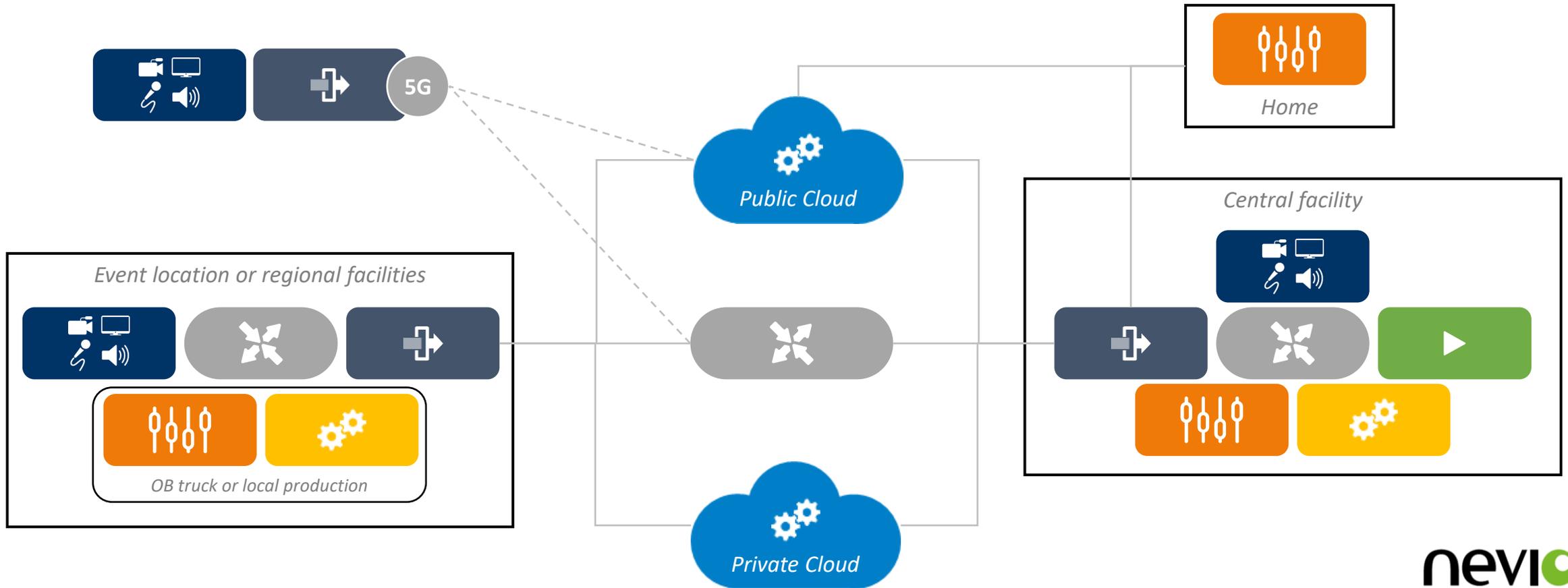


Content producer desires

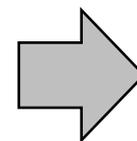
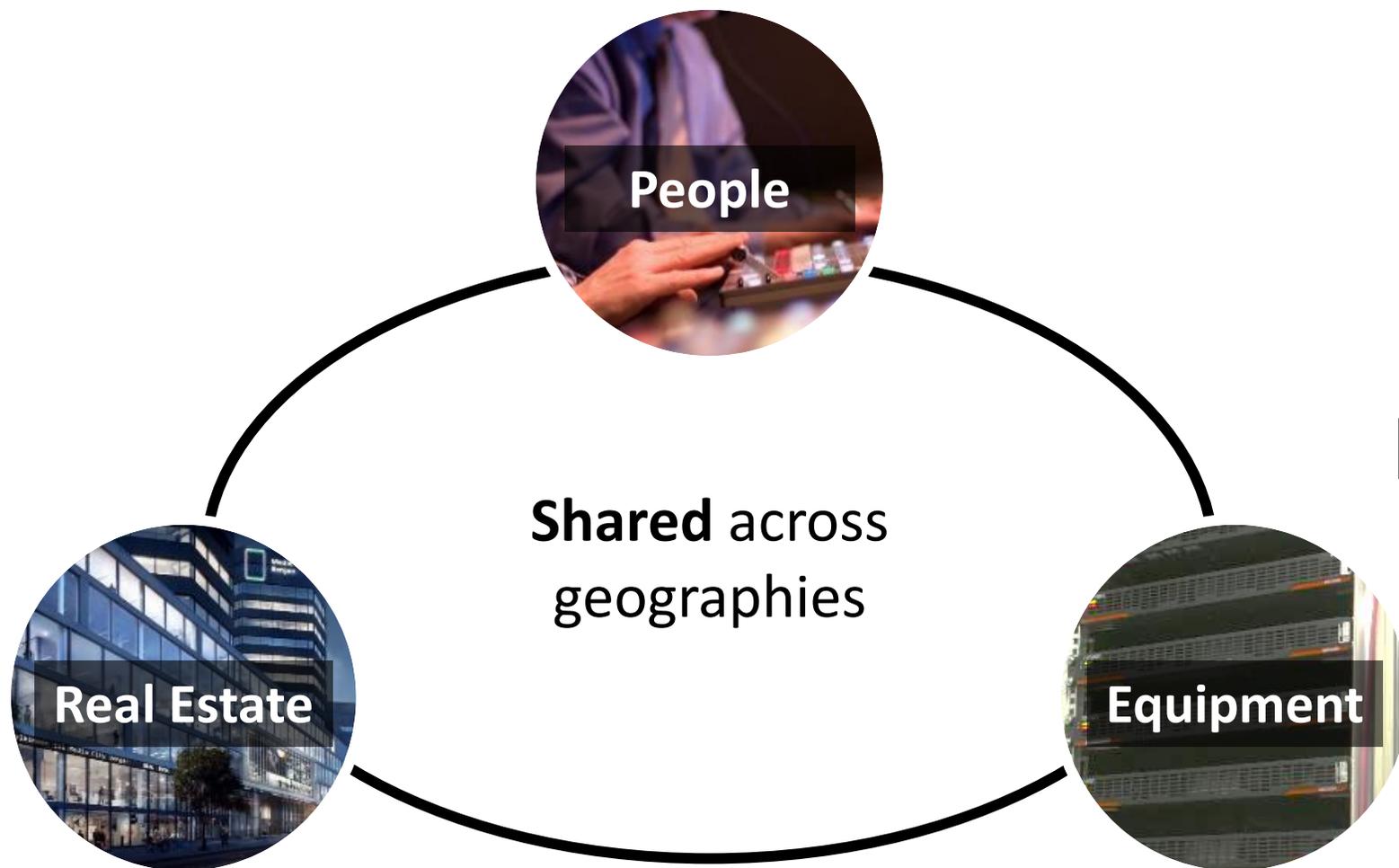


Distributed production

Management



IP is transforming production workflows

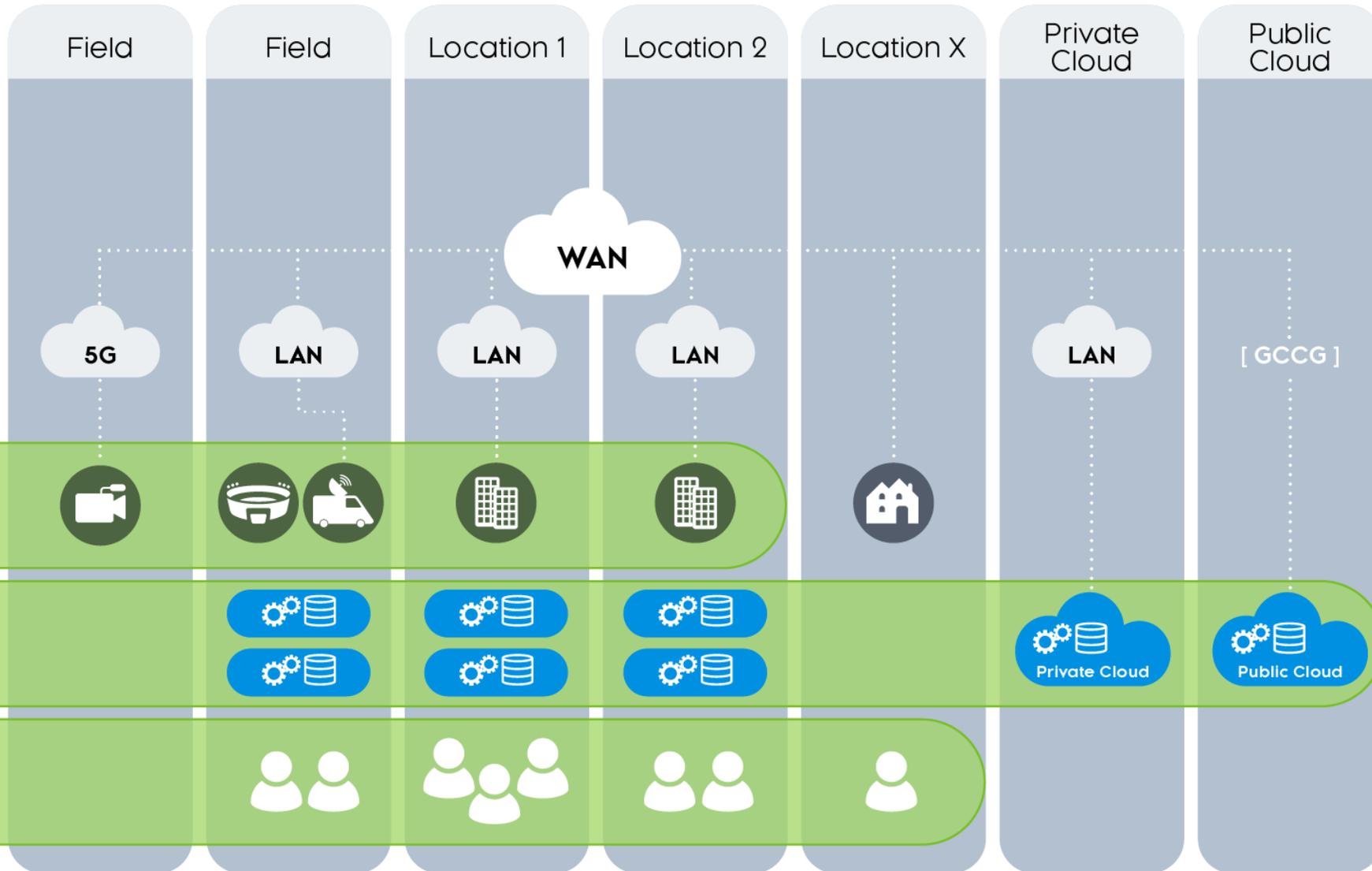


**Nimbler and
more cost-
effective
production,
using the very
best resources**

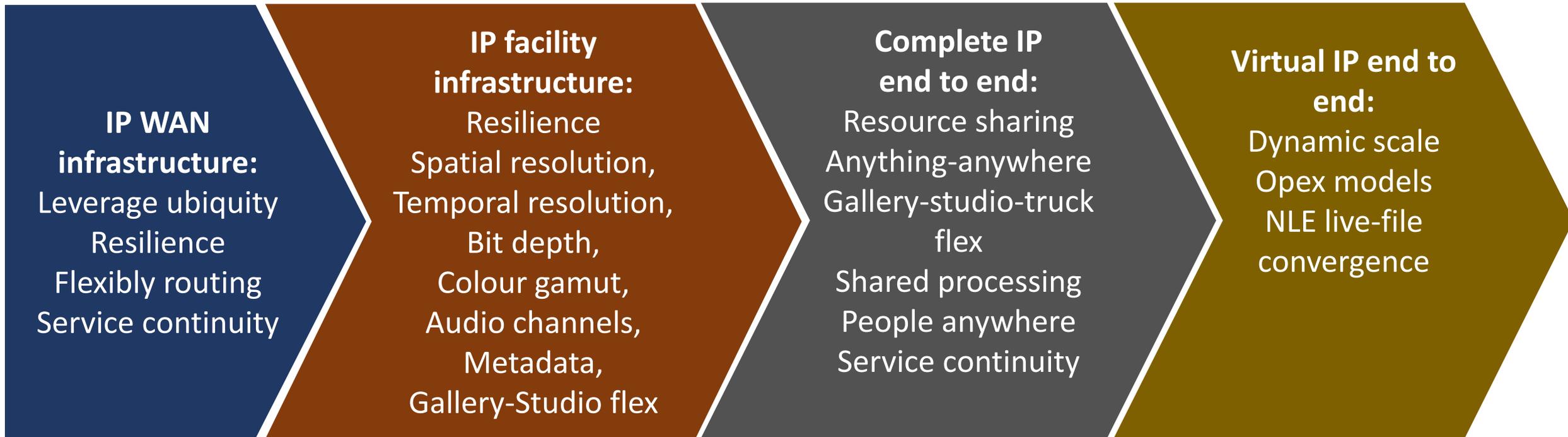
IP transformation - Places, Processing & People



The 3Ps



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.

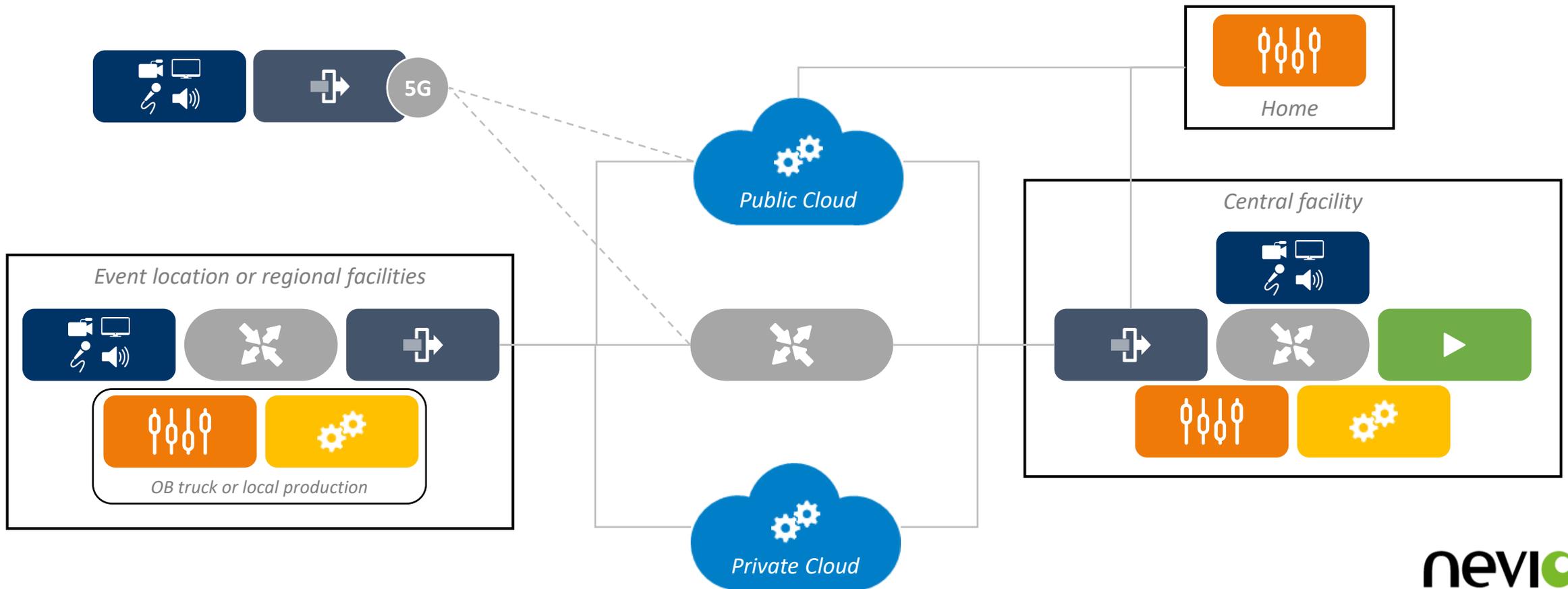


Control locations

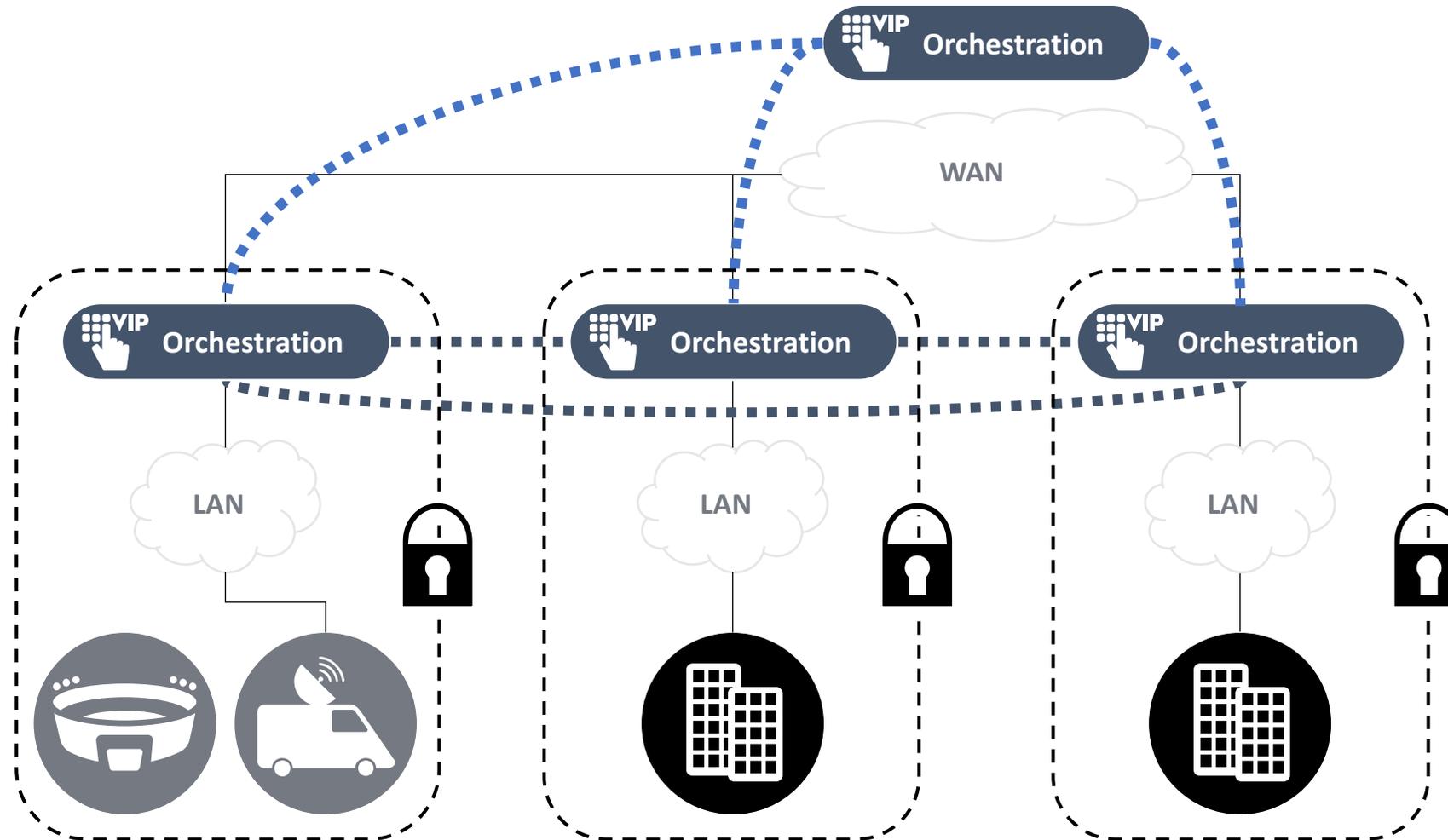
Main facilities control room, control room in other facilities, a dedicated or temporary room at an event location, outside broadcast production truck or van, from home, etc.

Distributed production

Management



Distributed production



Remote production models



DPP models

“On location”



“Remote controlled”



“Centralized”



“Distributed”



“Cloud”



Additional Neviion models

“Remote processing”



“Private Cloud”



[Source: thedpp.com/glr](http://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

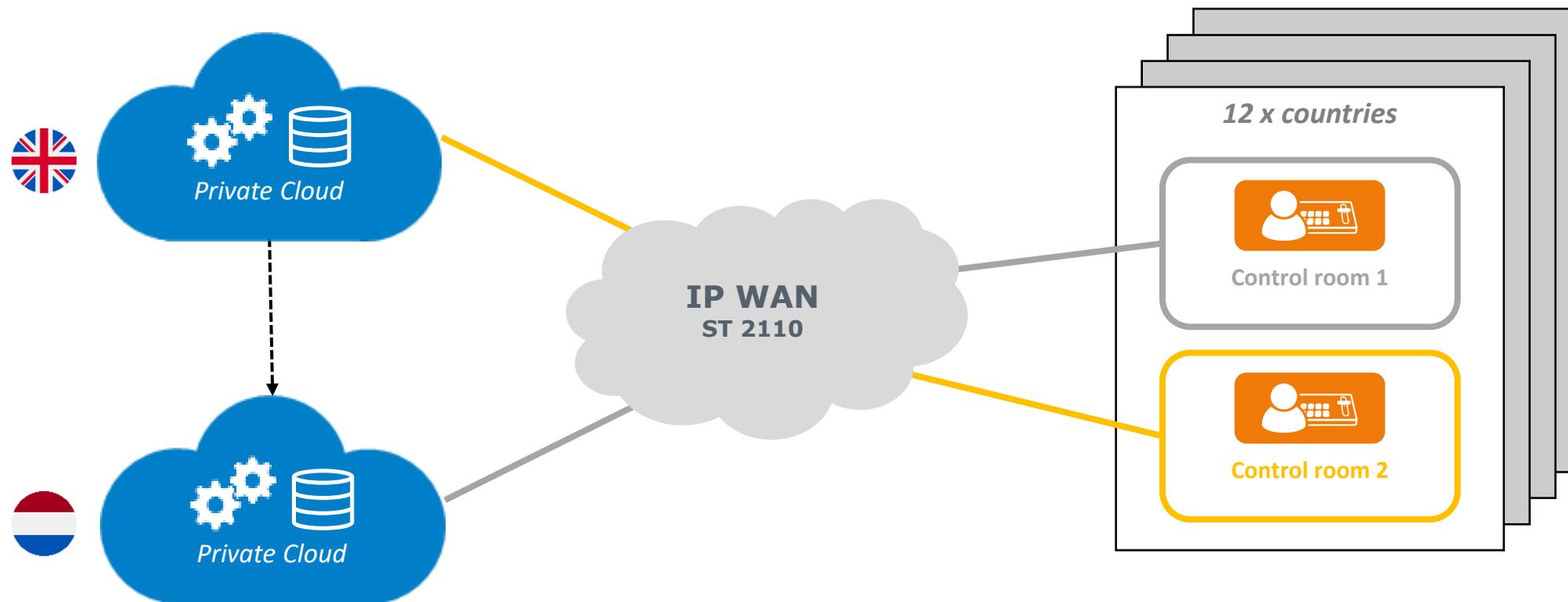


Full autonomy

Resilience

Full sharing

Case study 1: private Cloud production



Case study 2: 2110 LAN/WAN solution



 2110 WAN
Orchestration & SDN control 

 2110 LAN
Orchestration & SDN control 



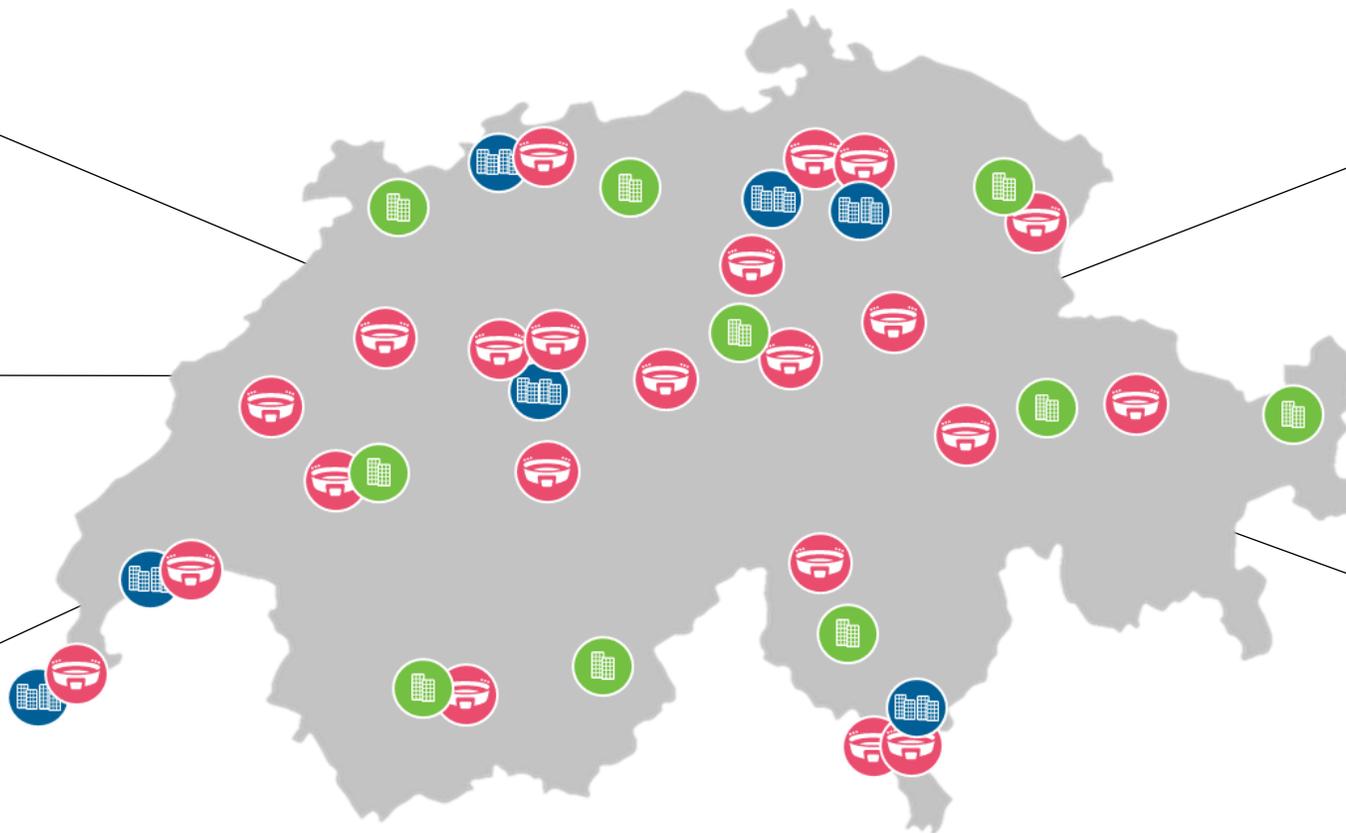
Main locations



Regional locations



Sports venues

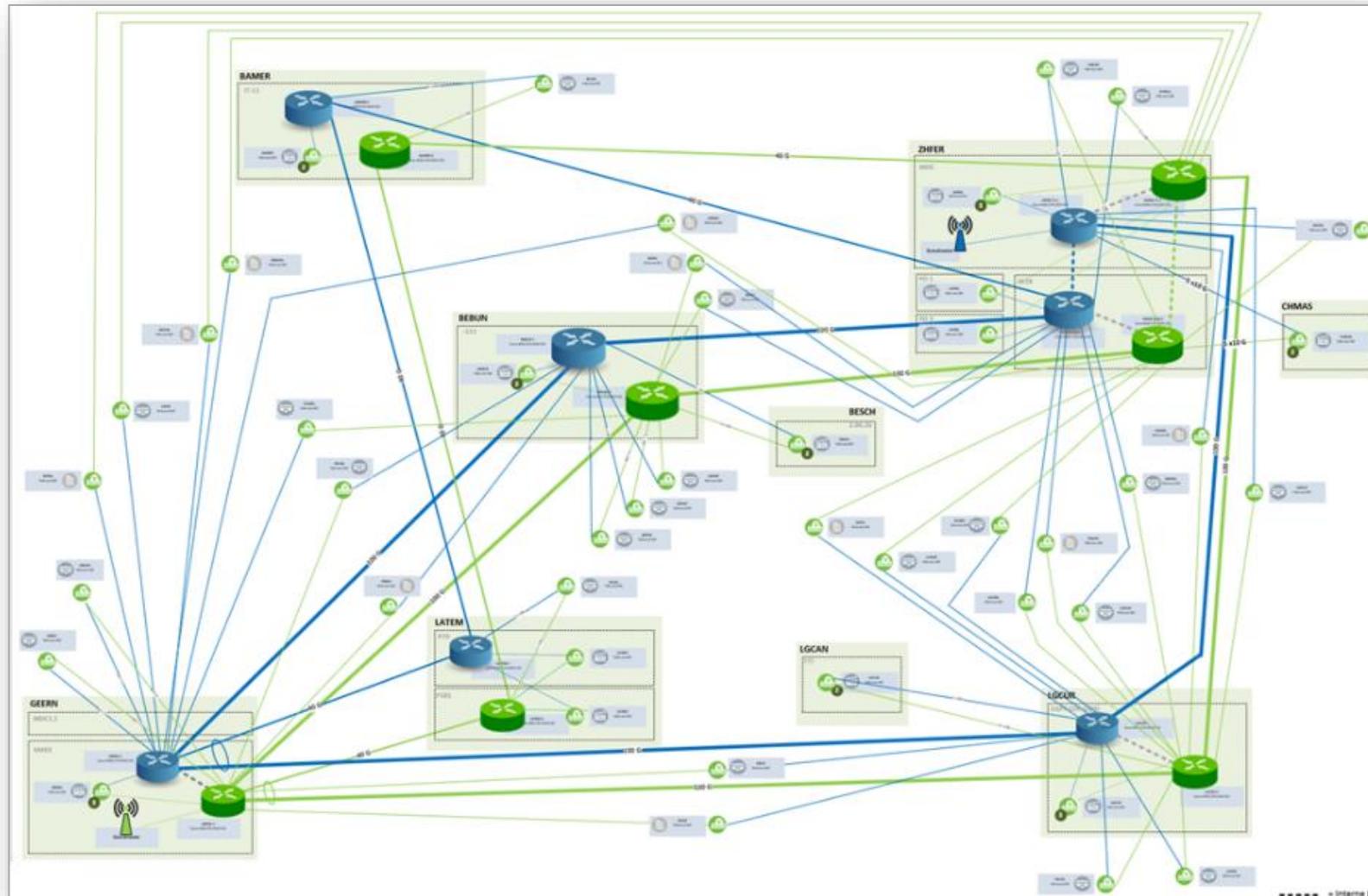


IP Facility



Other locations

Case Study 2: Full network overview



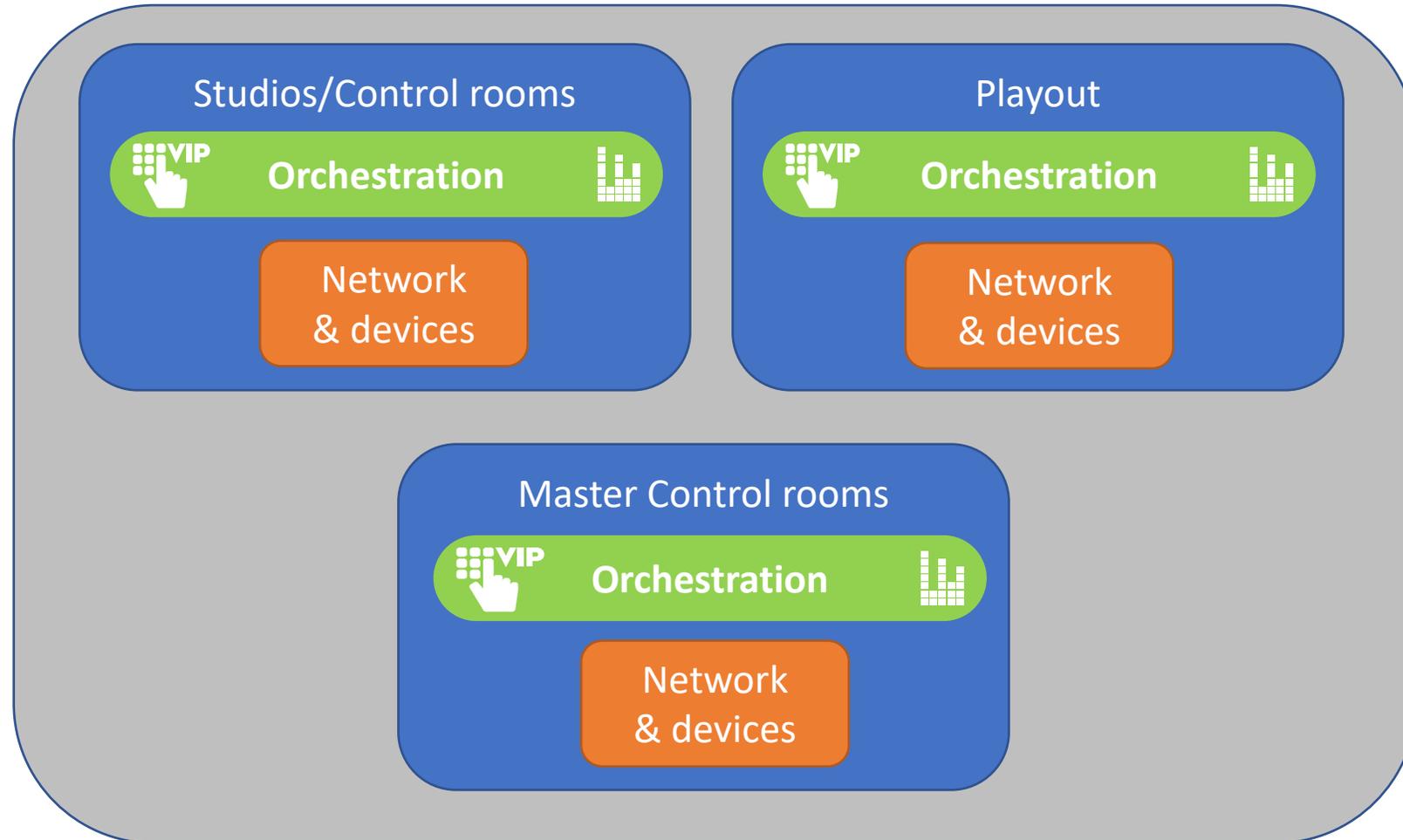
Case Study 3: intra-facility federation



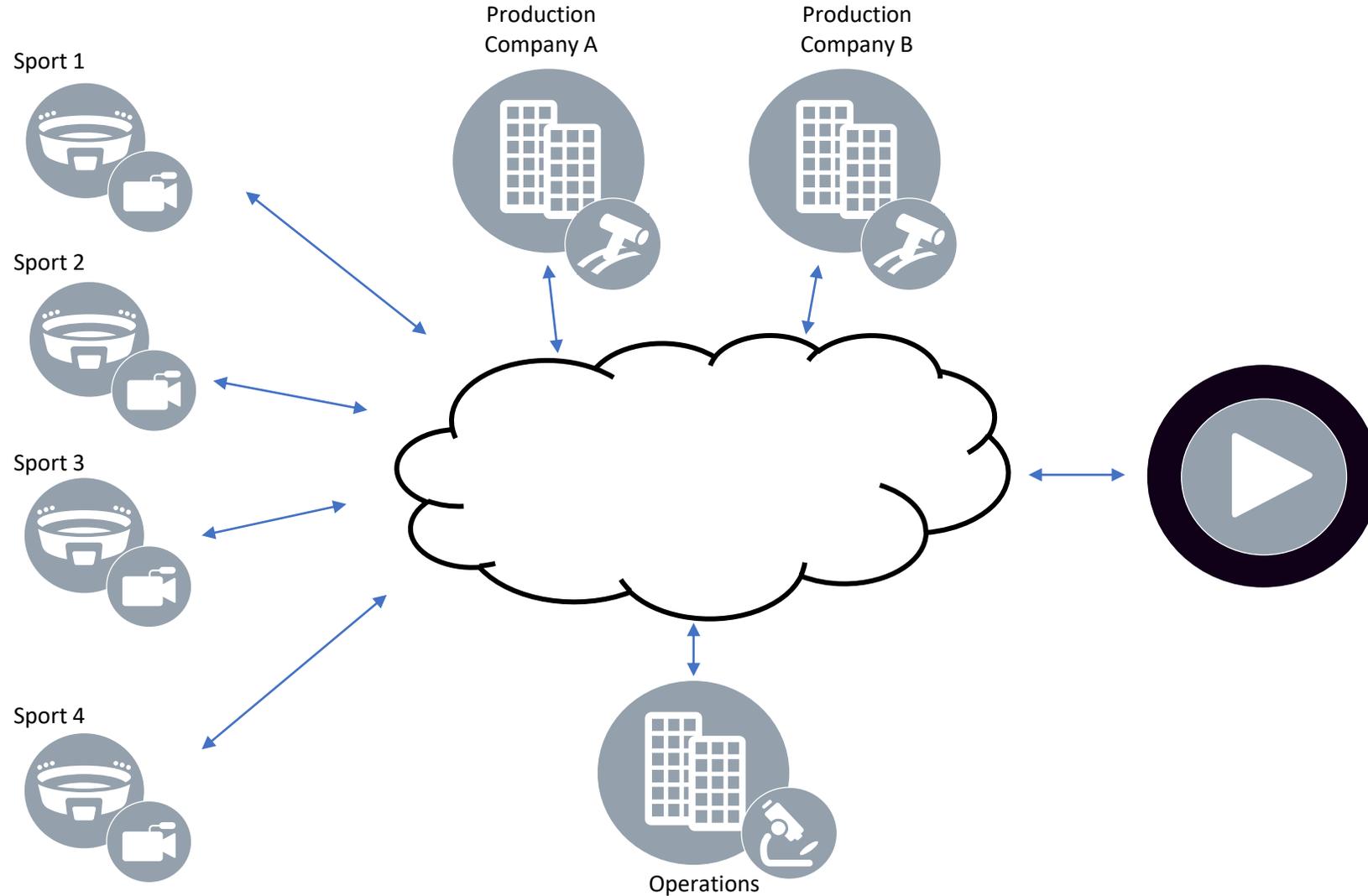
Full autonomy

Resilience

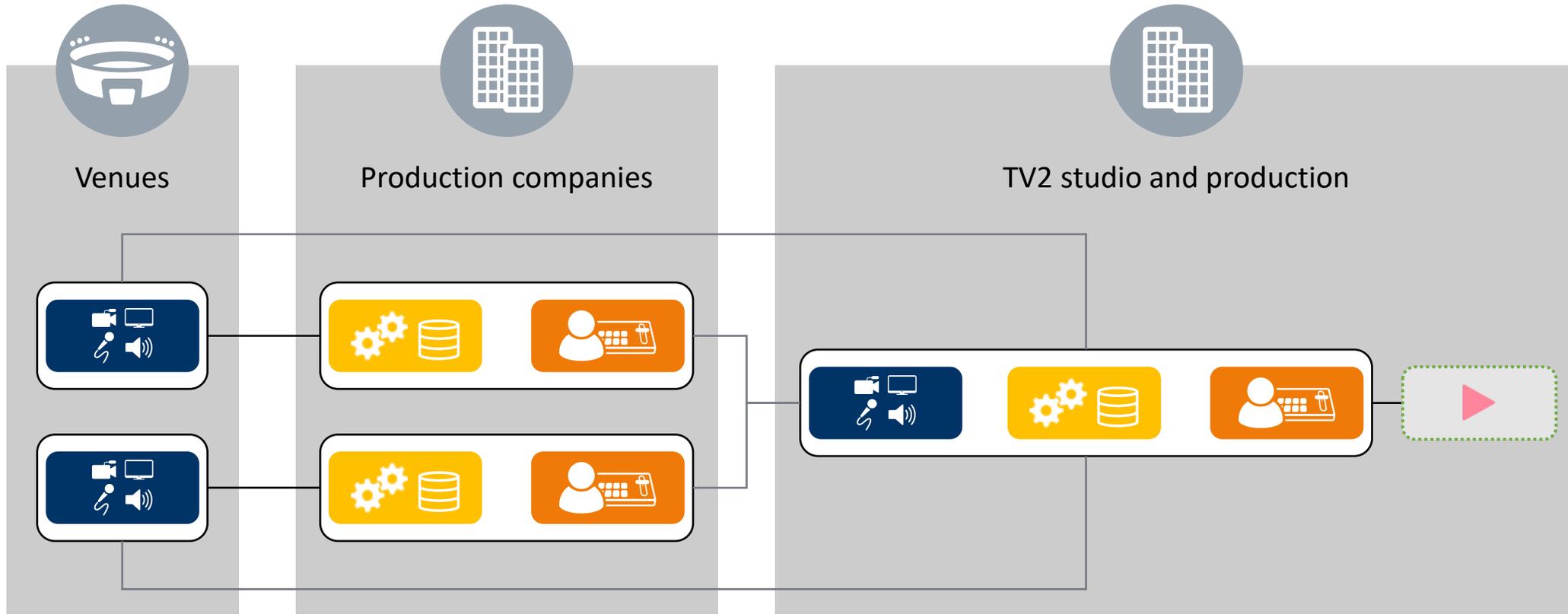
Full sharing



Use case 4: multi-organisation federation



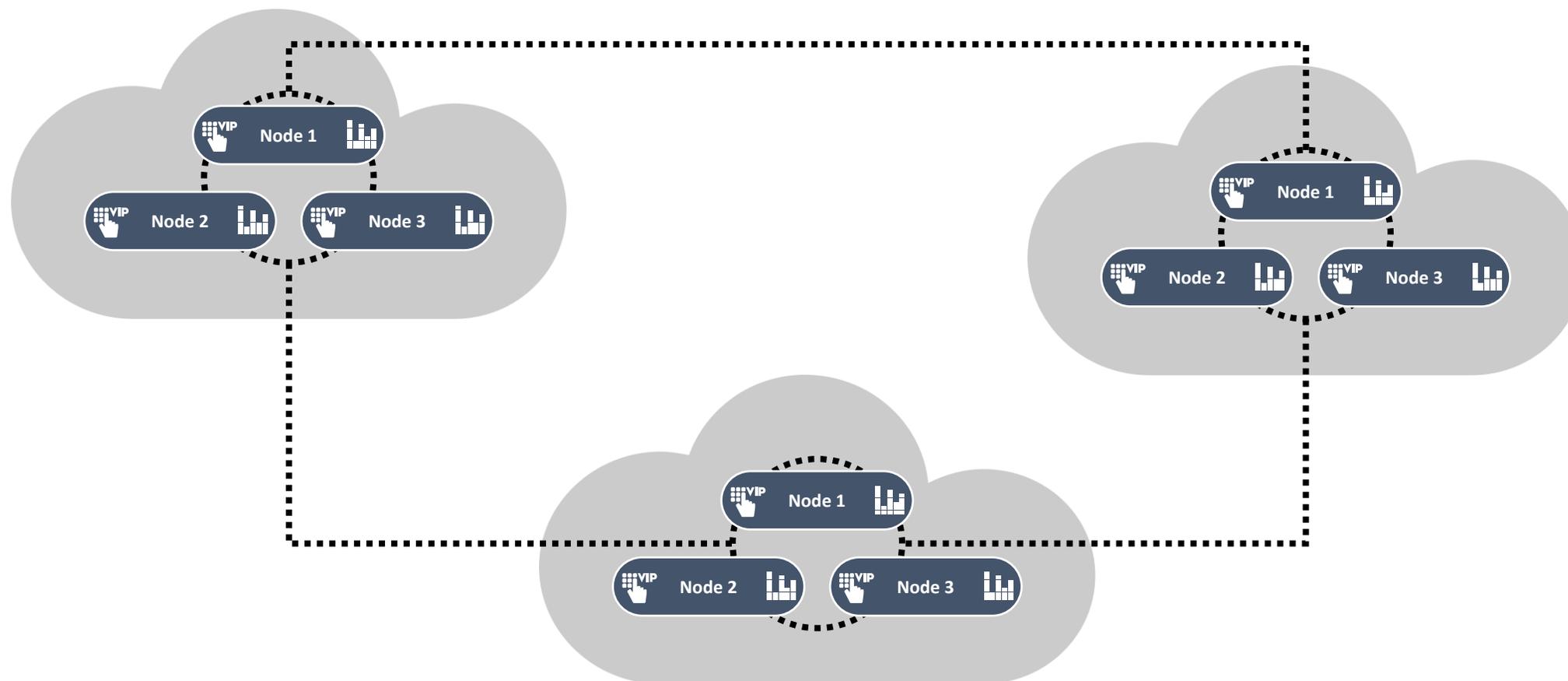
Use case 4: Production model



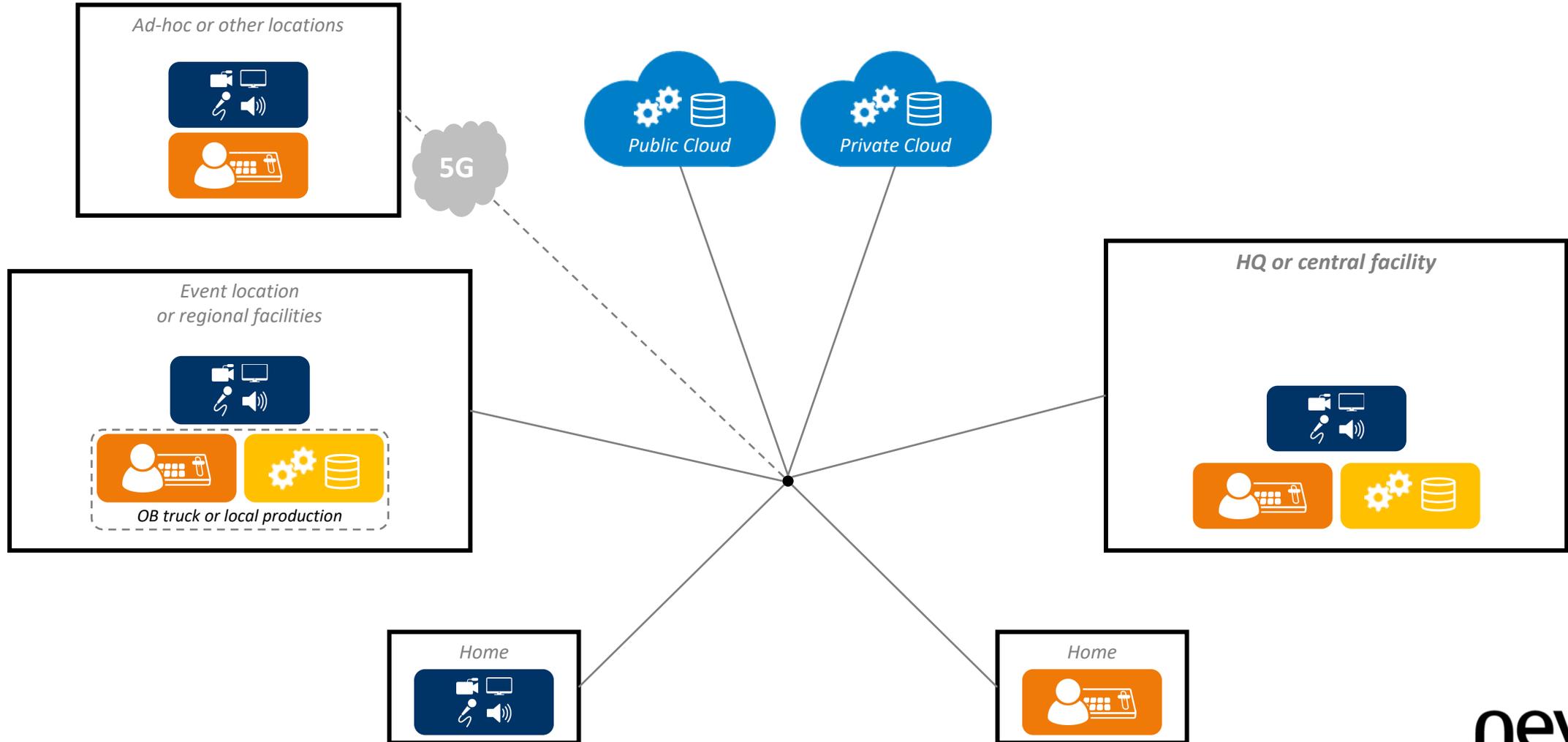
“Centralized” model

“Distributed” model

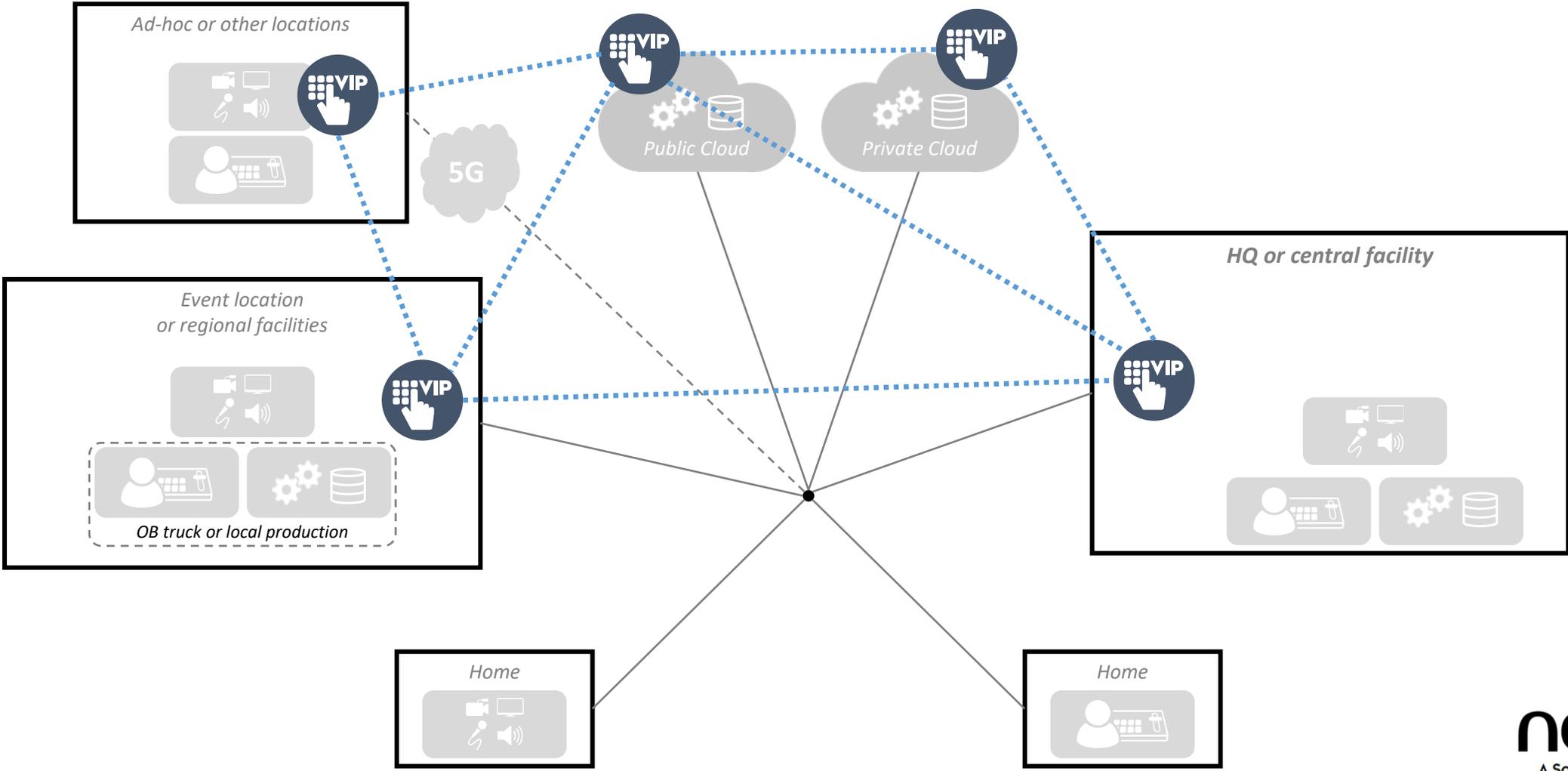
Orchestration federation principles



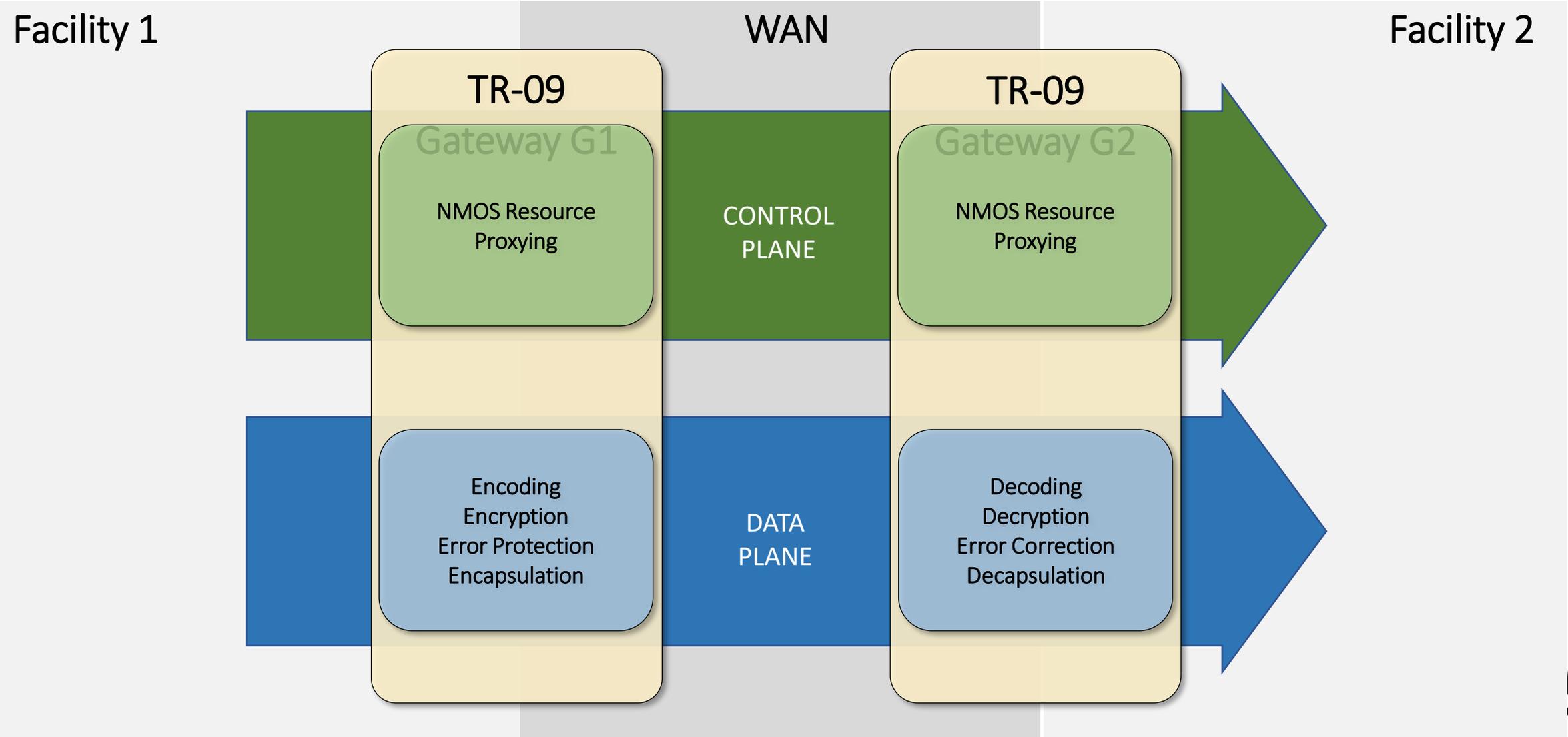
Fully distributed production capability



Federation enables distributed production



ST2110-WAN

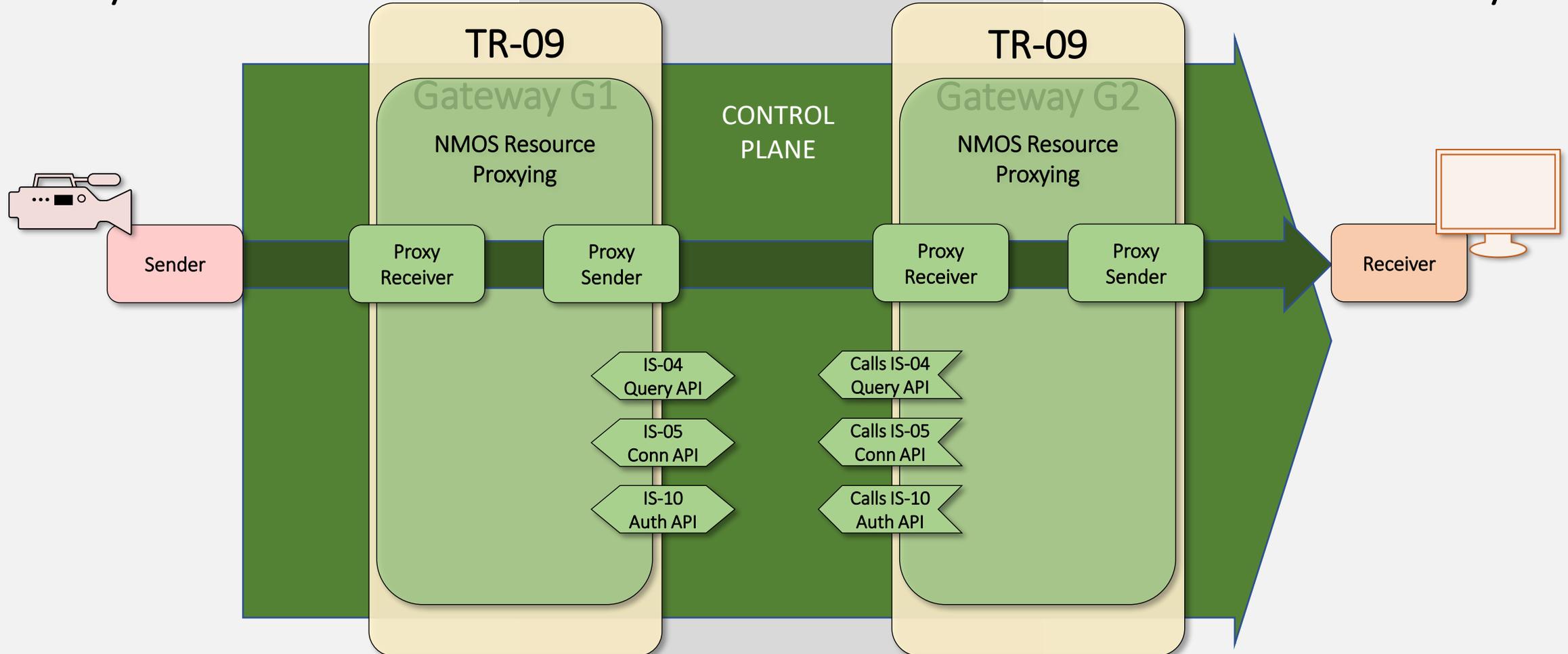


2110-WAN control plane

Facility 1

WAN

Facility 2



Back 13:00 Friday & 10:30 Monday



**Linear and Non linear timing planes
in live IP production**

13:00 FRIDAY

Audio in live IP production

10:30 MONDAY

Thank you!



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Come and catch up on the Sony stand in Hall 13

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Any Questions?

IP SHOWCASE™

