IOWN INTEGRAL
NTT R&D FORUM 2024
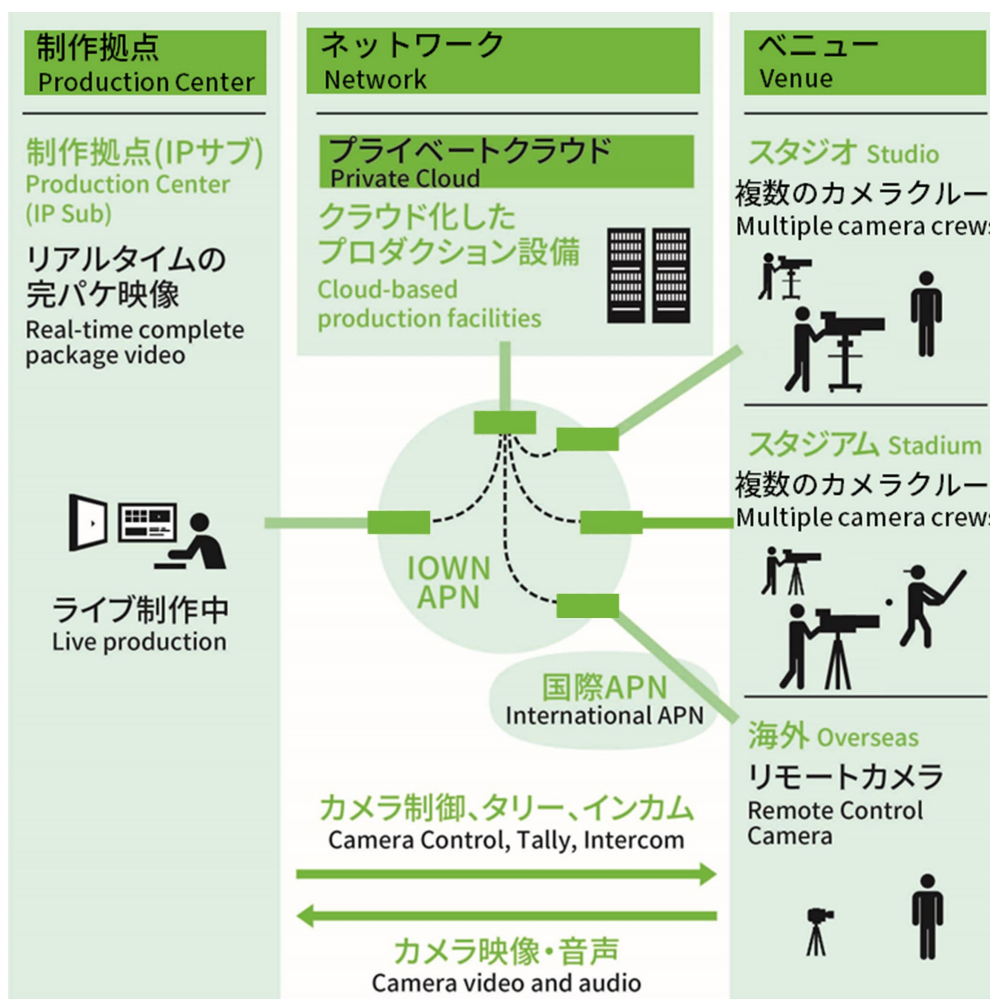
DEVELOPMENT
δ 03-07
IOWN x Media production DX
DX of content production through the use of networking, sharing, and cloud computing of media production equipment
#Productivity Improvement

制作拠点 Production Center — 制作拠点(IPサブ) Production Center (IP Sub) — リアルタイムの完パケ映像 Real-time complete package video — ライブ制作中 Live production

ネットワーク Network — プライベートクラウド Private Cloud — クラウド化したプロダクション設備 Cloud-based production facilities — IOWN APN — 国際APN International APN — カメラ制御、タリー、インカム Camera Control, Tally, Intercom — カメラ映像・音声 Camera video and audio

ベニュー Venue — スタジオ Studio 複数のカメラクルー Multiple camera crews — スタジアム Stadium 複数のカメラクルー Multiple camera crews — 海外 Overseas リモートカメラ Remote Control Camera

///Technical Issue
In recent years, competition in the video content business has intensified due to Internet media, and it is necessary to develop high-quality content and improve operational efficiency.

///Research Goal
Implement a wide-area network between multiple locations that connects a large number of shooting sites and production bases.

---Technology
IOWN APN, which has the characteristics of high capacity, low latency, and no delay fluctuations, solves to the issues of sophistication of media production and minimization of operating costs, equipment costs, and environmental preparation time.

---Applicable Business
In the field of media production, it is applied to remote media production, virtual media production, and smart media production. (Around 2026)

---Novelty
Transmit multiple uncompressed/lightly compressed 4K/8K-class video communication with high-capacity and low latency.
High-quality PTP synchronization and redundancy are possible with no latency fluctuation communication.