

13th NTTGROUP SUSTAINABILITY CONFERENCE MOVIE

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The Broadcasting Revolution Unfolded behind  
the Remote Broadcast at the EXPO  
~ **IOWN Enables Remote Production** ~

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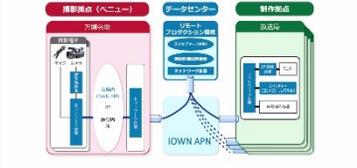
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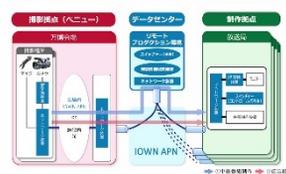
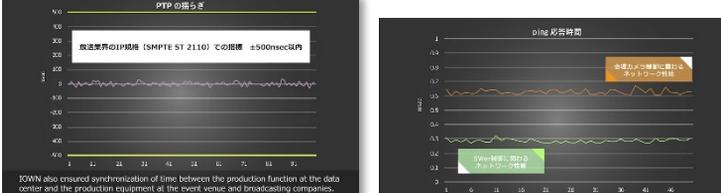
**NTT ExCPartner Corporation**

# The Broadcasting Revolution Unfolded behind the Remote Broadcast at the EXPO

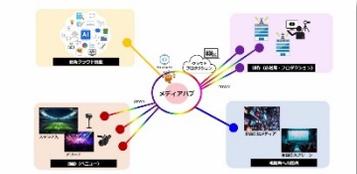
## ~ IOWN Enables Remote Production ~

NO	Video	Time	Voice
1	 <p>The NTT WEST Group partnered with four Osaka-based broadcasting companies at the EXPO.</p>	6	EXPO 2025 Osaka, Kansai, Japan, concluded to great acclaim.
2	 <p>to conduct a demonstration experiment of remote production using the next-generation network, IOWN, which employs cutting-edge optical technology.</p>	17	The NTT WEST Group partnered with four Osaka-based broadcasting companies at the EXPO to conduct a demonstration experiment of <i>remote production</i> using the next-generation network, IOWN, which employs cutting-edge optical technology.
3	 <p>万博中継の裏側で起きた“放送革命” IOWN × リモートプロダクション</p>	7	The Group accepted the challenge of trying a new method of producing remote broadcast footage.
4	 <p>Including broadcast vans and power supply vehicles, which force many staff members to work long hours from the initial setup through the live broadcast and subsequent dismantling.</p>	17	Conventional remote television broadcasts require broadcast personnel to bring numerous pieces of specialized equipment to the site, including broadcast vans and power supply vehicles, which force many staff members to work long hours from the initial setup through the live broadcast and subsequent dismantling.
5	 <p>Including broadcast vans and power supply vehicles, which force many staff members to work long hours from the initial setup through the live broadcast and subsequent dismantling.</p>	9	Improving the resource efficiency required for remote broadcast operations has long been one of the issues faced by the broadcast industry.
6	 <p>The NTT WEST Group connected the EXPO site, the Osaka data center, and each broadcasting company via the IOWN APN.</p>	11	The NTT WEST Group connected the EXPO site, the Osaka data center, and each broadcasting company via the IOWN APN
7	 <p>and consolidated key production functions within the data center.</p>	5	and consolidated key production functions within the data center.

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NO	Video	Time	Voice
1	 <p>Even when production staff were not physically present at the broadcast site, they could operate the production equipment at the data center remotely.</p>	15	<p>Even when production staff were not physically present at the broadcast site, they could operate the production equipment in the data center remotely and produce high-quality programs for terrestrial television broadcasting.</p>
2	 <p>清木場 大 NTTスマートネットワーク株式会社 メディアビジネス部</p> <p>As the director overseeing the demonstration experiment, I was responsible for building and maintaining the entire remote production environment.</p>	10	<p>“As the director overseeing the demonstration experiment, I was responsible for building and maintaining the entire remote production environment.</p>
3	 <p>The IOWN APN resolved the jitter issue that we faced, allowing accurate transmission of time synchronization signals, which are essential for remote production.</p>	22	<p>The IOWN APN resolved the <i>jitter</i> issue that we faced, allowing accurate transmission of time synchronization signals, which are essential for remote production. IOWN also ensured synchronization of time between the production function at the data center and the production equipment at the event venue and broadcasting companies.</p>
4	 <p>IOWN also ensured synchronization of time between the production function at the data center and the production equipment at the event venue and broadcasting companies.</p>	12	<p>Each broadcast company produced remote broadcast programs using remote production technology. We believe this marked a step forward toward actual implementation.”</p>
5	 <p>The broadcast companies that participated in this experiment spoke favorably about the system.</p>	15	<p>The broadcast companies that participated in this experiment spoke favorably about the system.</p>
6	 <p>We now expect to achieve efficient operations with minimal staffing as we gain more experience.</p>	19	<p>Regarding improvement of the resource efficiency required for remote broadcast operations, which has been a challenge for us, we significantly reduced the amount of equipment used on-site. We now expect to achieve efficient operations with minimal staffing as we gain more experience.</p>
7	 <p>In the future, eliminating the need for broadcast vans and other equipment, which consume large amounts of electricity, will help reduce not only the costs but also CO<sub>2</sub> emissions.</p>	12	<p>In the future, eliminating the need for broadcast vans and other equipment, which consume large amounts of electricity, will help reduce not only the costs but also CO<sub>2</sub> emissions.</p>

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NO	Video
1	 <p>平田 翔一                  NTTビジネスソリューションズ株式会社                  パリコーデザイン部                  システムソリューション部門</p> <p>"The live broadcast at the EXPO using the IOWN APN and remote production technology was the first challenge of its kind in Western Japan."</p>
2	 <p>and enables the companies to jointly use the remote production functions of the data center. The NTT WEST Group aims for early realization."</p>
3	 <p>佐藤 公一                  NTT西日本株式会社                  副社長兼、ビジネス営業部                  部長兼部長</p> <p>"EXPO 2025 provided an opportunity for clients to use remote production technology and experience firsthand the new possibilities the technology offers for production."</p>
4	 <p>We heard that the conventional style of sending a large number of staff and equipment to the site is burdensome for some programs.</p>
5	 <p>Going forward, we will promote the nationwide adoption of remote production based on IOWN.</p>
6	 <p>中継車などの電力消費を抑え、地球環境に貢献</p> <p>Further, demonstrating our commitment to contributing to the global environment.</p>
7	

Time	Voice
36	<p>"The live broadcast at the EXPO using the IOWN APN and remote production technology was the first challenge of its kind in Western Japan. I am convinced that it will significantly change how broadcast companies produce their remote broadcast programs.</p> <p>This is a media hub plan that uses the data center as the hub, connects event venues and each broadcasting company's the production base via APN, and enables the companies to jointly use the remote production functions of the data center. The NTT WEST Group aims for early realization."</p>
27	<p>"EXPO 2025 provided an opportunity for clients to use remote production technology and experience firsthand the new possibilities the technology offers for production. This was a significant achievement for us at this stage. We heard that the conventional style of sending a large number of staff and equipment to the site is burdensome for some programs. We believe that this experiment is significant in that it demonstrated the potential to solve such issues.</p>
26	<p>Furthermore, we believe that it is crucial to solve clients' issues with technologies like IOWN and remote production and to turn such issues into concrete business opportunities. We are confident that we can establish a win-win relationship with clients by building a sustainable business model while reducing the environmental burden from a sustainability perspective and advancing work-style reforms."</p>
26	<p>Going forward, we will promote the nationwide adoption of remote production based on IOWN.</p> <p>By restructuring the production system for remote broadcasts, we will promote work-style reform within the broadcasting industry while achieving power savings by reducing travel by broadcast vans, thereby demonstrating our commitment to contributing to the global environment.</p>