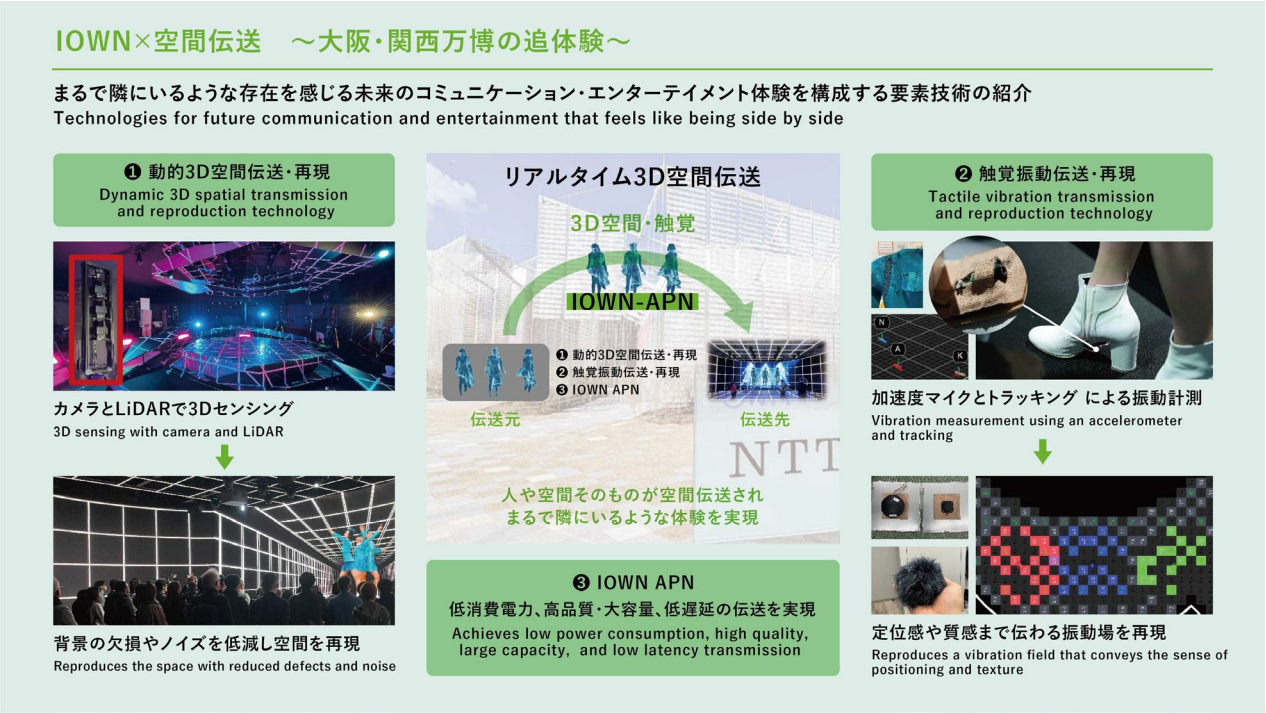
Enables communication among people in remote locations

IOWN x Spatial data transmission

Background and Technical Challenges

Regarding the transmission and reproduction of spatial information, current technologies require (1) a specially prepared space for measurement and targeting only limited subjects (people or objects in a restricted area), and (2) transmitted and reproduced information limited to audiovisual data.



R&D Goals and Outcomes

By transmitting and reproducing complete information of distant people and spaces, many more people—including those far away—can share the same experience and emotions simultaneously.

Key Technologies

01 Core Technologies

- Measure moving objects along with their surrounding space and transmit and reproduce them at a remote location.
- Measure the haptic vibrations, including the position information, and transmit and reproduce them at a remote location.

02 Key Differentiators

- It is possible to measure and reproduce the entire space, including people and objects.
- Large-scale, low-latency presentation of vibrations with directional perception from eight directions is possible.

Use Cases	Entertainment	**R&D phase**	Research
Technology Schedule	FY27-29	**Commercialization Schedule**	TBD

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