

Enterprise

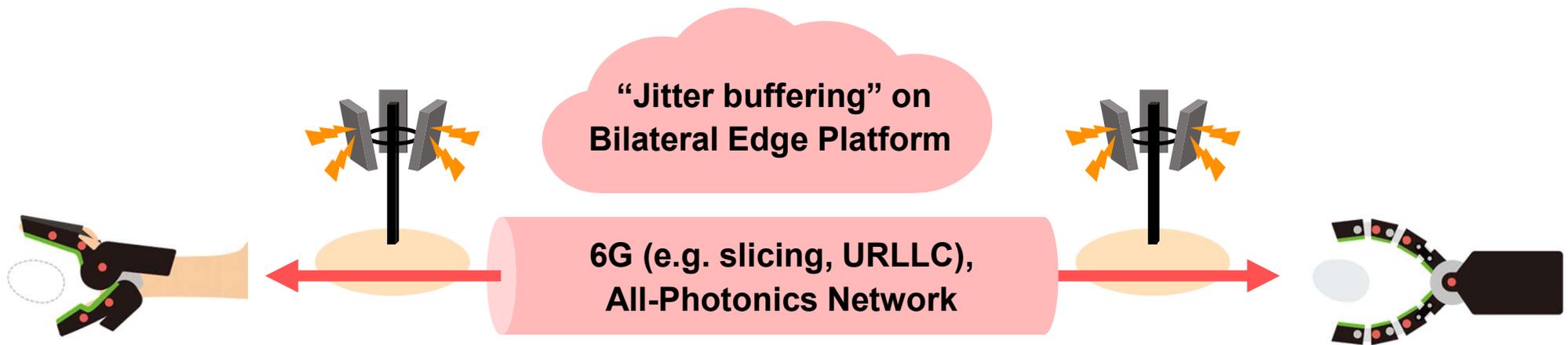
# Bilateral Edge Platform™ & Real Haptics™

MWC26



# Technologies Enabling Physical AI Deployment

Supporting the stable operation of teleoperation with force feedback through **DOCOMO's low-latency communication technologies.**



## Why is low-latency communication crucial for teleoperation with force feedback?

- In high-latency environments, force feedback for teleoperation can become difficult to control or even unstable.

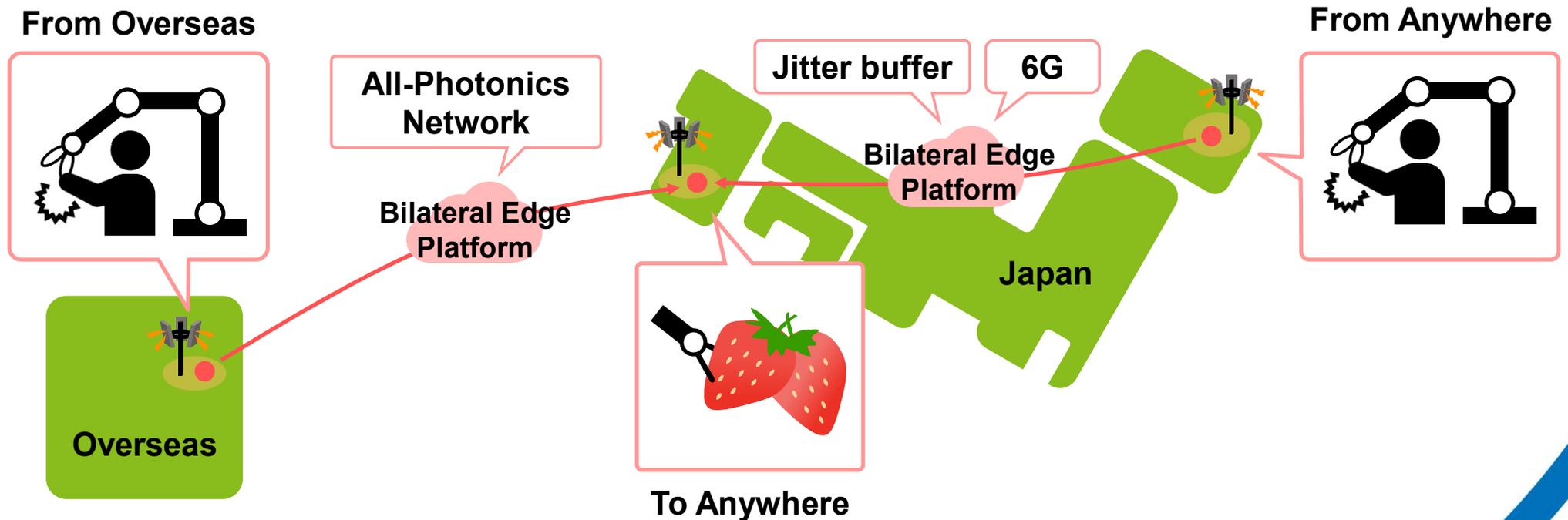
## Why do we need teleoperation and force feedback?

- Teleoperation is essential to resolve minor AI robot errors or to manage unexpected events effectively.
- As Physical AI systems increasingly utilize force sensing for delicate interactions, force feedback has become essential for operators to perform precise recovery operations.

# How DOCOMO Creates Value in the Physical AI Era



- **Establishing systems to remotely monitor and operate Physical AI robots from overseas.**
- **Enabling reliable remote monitoring and control of outdoor robots** by mitigating wireless communication latency.
- **Enabling safe task-specific tuning** by allowing AI to learn user movements and applied force within a closed network.



※Real Haptics is a proprietary technology originated at Keio University.

