

# Alliance for Joint Research and Development and Global Rollout of ICT Products Utilizing Innovative Optical and Wireless Technologies



President and CEO  
Jun Sawada



President and CEO  
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background

The background features a dynamic, abstract composition of glowing blue and red particles. These particles are arranged in fluid, undulating waves that sweep across the frame from left to right, creating a sense of motion and digital energy. The overall color palette is dominated by deep blues and vibrant reds, with the particles themselves acting as light sources against the dark background.

Post COVID-19 Society

## Realization of a Decentralized Society

- 5G, IoT, AI
- Digital Transformation

## Rise of a New “Glocalization”

- Trusted Supply Chain
- Brand New Made in Japan

background

Expanding Trend of Open Systems

Open Architecture

• O-RAN Alliance

IOWN

Create a smarter society with the IOWN initiative that enables all people to benefit naturally and unselfconsciously from technology

# Electronics to Photonics Digital to Natural

The IOWN logo is displayed in large, white, sans-serif capital letters. The background of the slide features a blue and black digital pattern with a grid-like structure.

Innovative Optical and Wireless Network

All-Photonics Network

Improvement of information processing systems

Digital Twin Computing

New world of services and applications

Cognitive Foundation

Optimal harmonization of ICT resources

Innovating communications technologies since its establishment in 1899  
Promoting the fusion of network technology and IT



Improve communications infrastructure  
in Japan and around the world  
Create a new business model by co-creation

# INNOVATION

Drive open architecture and innovation in the communications industry

Globally deploy cutting-edge technologies and competitive products that originate from Japan



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Operator promoting development and  
introduction of  
cutting-edge technologies  
Research and development capabilities



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Sophisticated communications technologies,  
digital technologies and  
infrastructure-building experience

Drive open architecture and innovation in the communications industry

Globally deploy cutting-edge technologies and competitive products that originate from Japan

# Promotion of Open Architecture Innovative Technological R&D

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- Develop globally competitive products compliant with O-RAN specifications
- Joint development of a compact Digital Signal Processing (DSP) circuit with both world leading performance and low power consumption, as well as optical transmission equipment applying DSP
- Joint development of innovative technologies and optical/wireless devices contributing to the realization of the IOWN initiative
- Achieve greater capacity, higher functionality and lower costing submarine cable systems
- Achieve large capacity, low latency and automatic/autonomous space communication
- Achieve more sophisticated technologies to ensure infrastructure network security

# Realizing the IOWN initiative and Improving the competitiveness of industry from Japan

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- Play a leading role for open architecture
- Create innovative technologies and products originating from Japan and develop them globally
- Form a capital and business alliance for creating an amicable and cooperative relationship

Brand New Made in Japan

# INNOVATION