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

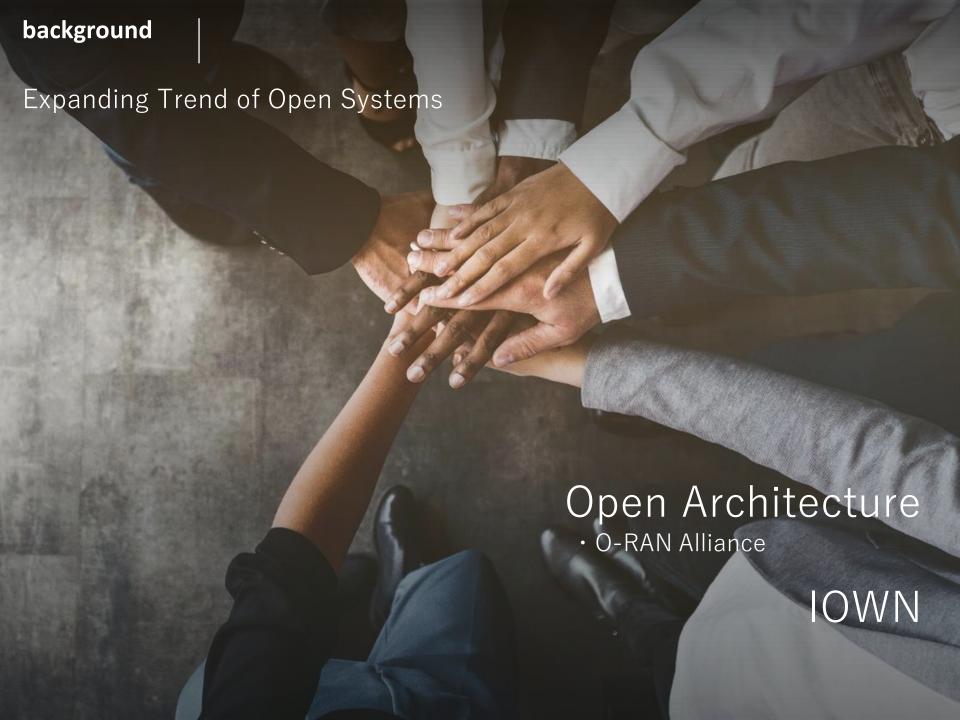


President and CEO
Jun Sawada



President and CEO Takashi Niino

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





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



All-Photonics Network

Digital Twin Computing

Cognitive Foundation

New world of services and applications

Optimal harmonization of ICT resources



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





INNOVATION

Drive open architecture and innovation in the communications industry

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



NEC

Operator promoting development and introduction of cutting-edge technologies

Research and development capabilities

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

- 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

- · 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



INOVATION