

## Collaborator Quotes

### [ADI](#)

“Combining Keysight’s Open RAN Studio O-DU emulation capabilities and their PathWave Test Automation framework enables us to quickly and efficiently test front haul conformance on Analog Devices’ growing portfolio of Open RAN RU platforms,” said John Oates, Wireless Hardware Development Manager at ADI.”

### [Advantech](#)

“Advantech is proud to have successfully completed our O-RAN Plugfest participation during which we demonstrated our solutions compliance, interoperability and versatility in collaboration with O-RAN ecosystem partners,” said James Yang, vice president of Advantech Cloud IoT Group. “Featuring ultra-short-depth, extreme wide operating temperature and high-density designs, our SKY-8000 Series of 5G Edge Servers enrich operators’ white-box DU, CU and MEC hardware choices with an enhanced range of commercial-off-the-self, high performance servers that have been optimized for Open RAN and the telco edge to meet high availability and carrier-grade network needs.”

### [Auray Technology Corp.](#)

“Auray OTIC and Security Lab is pleased to host the most participants among Asia venues of O-RAN ALLIANCE 3rd Global Plugfest this year. Auray was the first O-RAN ALLIANCE authorized third party lab in Asia, as well as the first to host the O-RAN ALLIANCE Plugfest in Taiwan,” said Daniel Chang, Chairman at Auray Technology Corp. “We appreciate the support and assistance of our partners including the National Development Council and Chunghwa Telecom, as well as the test solutions and technical support from Keysight, which enables Auray Technology Corp. to rapidly accumulate test cases and system end-to-end testing experience as we prepare for future certification and badging service delivery.”

### [Cambridge Industries Group \(CIG\)](#)

“Building on the success of 4G LTE Small Cell ODM business for top tier RAN vendors globally, CIG continues to develop a strong and broad 5G O-RAN Small Cell product portfolio for ODM partners. CIG has been demonstrated O-RU via the standard Open Fronthaul 7-2x eCPRI interface with Keysight’s O-DU simulator, an O-RAN pioneer since 2018. The success of the O-RAN ALLIANCE 3<sup>rd</sup> Plugfest with Keysight is yet another milestone on the O-RAN journey,” said Haibo Zhao, chief technology officer at CIG.

### [Compal Electronics Inc.](#)

“Compal Electronics Inc., a global 5G equipment manufacturing and small cell solution provider, participated in the Plugfest event for the O-RAN ALLIANCE this past November,” said Aaron Chuang, R&D senior director at Compal. “The event demonstrated the capability of end-to-end function and interoperability of RAN Intelligent Controller and Compal 5G small cell. Compal selected Keysight’s scalable and flexible 5G test platforms to accelerate 5G product development which enables Compal to support high-performing, varied 5G infrastructures, as well as the private network market.”

### [Comba Network](#)

“As a pioneering open radio product supplier, and one of the active O-RAN ALLIANCE collaborators, Comba Network is delighted to join forces with Keysight, and other partners, to verify Open RAN end-to-end system performance and security. We value the contributions provided by Keysight’s Open RAN solution portfolio to accelerate end-to-end system integration and design validation, preparing the leading mobile operators and vendor ecosystem for Open RAN lab verification and commercial deployment,” said Ms. Marie Ma, General Manager of Comba Telecom Network Systems Limited.

### [Chunghwa Telecom](#)

"The O-RAN ALLIANCE Plugfest is ideal for promoting and demonstrating the interoperability and maturity of an open RAN architecture," said Chau-Young Lin, president of Telecommunication Laboratories, Chunghwa Telecom. "Chunghwa Telecom is pleased to co-host the Taiwan venue with Auray OTIC and Security Lab while collaborating with Keysight. With related test scenarios and campaigns defined, participating O-RAN vendors could realize the performance and operation of an open radio access network to accelerate the progress of the Open RAN industry."

### [Foxconn](#)

"Keysight solutions have accelerated the industry's ability to rapidly develop 5G technology," says Dr. Benjamin Wang, Sr. 5G RD Director, Infrastructure Product Division at Foxconn. "Even more importantly, new O-RAN test suites enhance interoperability and standardization for Open RAN solutions and speed up integration for our customers."

### [iConNext Co.](#)

"iConNext is glad to see a real multi-vendor Open RAN end-to-end performing well and properly validated in this Plugfest at Chunghwa Telecom laboratory. Together with Keysight, Inventec, Intel and Red Hat, we see solid momentum for the Open RAN ecosystem in proof of concepts, as well as a clear path to commercial deployment," said Jackrose Kuo, senior director at iConNext. "iConNext's NEON RACER 5G NR Systems fits into different deployment scenarios, and leveraging Keysight's test solution, iConNext will continue to work with our ecosystem partners to bring the systems to the commercial market."

### [Industrial Technology Research Institute \(ITRI\)](#)

"ITRI recognized the trend of Open RAN for network equipment co-opetition and are pleased to see the related global ecosystem growing," said Pangan Ting, Deputy General Director at Industrial Technology Research Institute (ITRI). "During the O-RAN ALLIANCE Global Plugfest 2021, ITRI, PEGATRON and Keysight jointly performed the interoperability and end-to-end testing of SMO/RIC products and 5G RAN. We believe these events will accelerate Open RAN industry developments in Taiwan while continuous and long-term investment will nurture the maturity of solutions for the O-RAN private network."

### [Inventec](#)

"Inventec is pleased to collaborate with Keysight and iConNext to ensure our commercial off-the-shelf server, K888G4, is an O-DU/O-CU that can be adopted in an open radio access network architecture. Verified by Keysight's UE Emulator, our end-to-end solution has demonstrated improved speed and latency. We will continue to cooperate with O-RAN members to develop 5G Open RAN solutions that work with Inventec's server delivering the performance needed to meet the market demand," said Evan Chien, director of Cloud & Communication Solutions, Inventec Enterprise Business Group (Inventec EBG).

### [IP Infusion](#)

"IP Infusion is pleased to participate in the O-RAN Plugfest in Auray OTIC and Security Lab in Taiwan, which promotes open architecture in a multi-vendor environment. Our solution provides a critical transport link in the front haul application and along with Keysight's RAN components, it enables network operators to improve the efficiency of RAN deployments and operations. Working together with the O-RAN ALLIANCE, we will create a competitive and vibrant RAN supplier ecosystem that delivers rapid innovation," said Atsushi Ogata, president and CEO of IP Infusion.

### [Juniper Networks](#)

"Keysight's RICtest emulation platform has enabled Juniper to verify multi-vendor interoperability and compliance of Juniper's innovative non-real time (RT) and near-RT RIC to O-RAN specifications," said Constantine Polychronopoulos, Vice President of 5G and Telco Cloud at Juniper Networks. "We also used Keysight's RICtest to demonstrate a large-scale RAN slice service level agreement (SLA) assurance use case that leverages multiple Juniper near-RT RICs. We believe Juniper Networks is the first in the market to demonstrate SLA assurance at the network slice level, a key requirement for delivering the 5G promise."

### [LIONS Technology](#)

"The O-RAN ecosystem is technically validated and held together with Keysight's advanced test technology," said Anju Day, chief executive officer at LIONS Technology. "LIONS is glad to successfully participate in this O-RAN ALLIANCE Global Plugfest, which enables us to realize open fronthaul and end-to-end standards, while accelerating the interoperability of O-RAN ecosystem."

### [LITE-ON TECHNOLOGY CORP.](#)

"LITEON has developed a series of 5G products that deliver a high-performance, flexible architecture. Our FlexFi O-RU products enable virtualized, disaggregated and open architectures for deployment in a wide range of scenarios and varied architectures. In the 3<sup>rd</sup> O-RAN ALLIANCE Global Plugfest 2021, LITEON collaborated with Keysight to demonstrate advanced product functionality," said Mr. Anson Chiu, president of LITE-ON TECHNOLOGY CORP.

### [LG Uplus](#)

"Keysight's 5G O-RAN test solutions have enabled LG Uplus to validate the interoperability of the open vRAN system at the Plugfest hosted by us for the first time in Korea. We look forward to Keysight's continued contributions to expanding the O-RAN ecosystem," said Sang-Heon Lee, director of Advanced NW Technology research unit at LG Uplus.

### [Mavenir](#)

"Mavenir was pleased to participate with Keysight and the other participants of the O-RAN global Plugfest," said John Baker, senior vice president of Business Development and Open RAN Policy Coalition (ORPC) Board Member. "Test, validation and verification will be one of the cornerstones of Open RAN to ensure that specifications are fully open, interoperable and suppliers can validate their solutions without lengthy integration and interoperability testing."

### [MICAS \(Shenzhen\) Telecommunication Co., Ltd.](#)

"Keysight provided full support to MICAS from pre-silicon development to system integration. MICAS and Keysight combined their technical resources, which ensured that MICAS sub-6GHz and millimeter wave O-RU solution completed the test scenarios quickly and successfully, complying with the O-RAN conformance test requirements," said Mrs. Ying He, CEO of MICAS (Shenzhen) Telecommunication Co., Ltd.

### [MiTAC Computing Technology Corp.](#)

"MiTAC offers customers O-DU and O-CU edge server solutions which are compliant with the O-RAN specifications through cooperation with Keysight, whose RuSIM and CoreSIM solutions were used to verify these products at the O-RAN Plugfest," said Danny Hsu, vice president of the Server Infrastructure Business Unit of MiTAC Computing Technology Corporation.

### [New Kinpo Group](#)

"New Kinpo Group appreciates Keysight's professional technical and consulting services during the O-RAN ALLIANCE 3rd Global Plugfest," said Jesica Pan, chief marketing officer at New Kinpo Group. "It is very helpful to have Keysight's full support for testing technology and related test equipment."

### [PEGATRON Corp.](#)

"Based on the open spirit of O-RAN, Pegatron completed an end-to-end interoperability test with multiple RUs and 5GC suppliers during the Plugfest and completed the load and stress test with Keysight's UeSIM. To successfully complete different RUs OTA interoperability testing, Pegatron used Keysight's WaveJudge to perform PHY layer packet sniffing and analysis to adjust transmission parameters. A number of gNB security test cases defined in 3GPP TS 33.511 were also verified with Keysight's SCAS test automated suite," said Rick Mao, senior director of Pegatron Corp. "

### [Quanta Cloud Technology](#)

"QCT is a firm believer in Open RAN for next-gen Telco networks and is a pioneering practitioner of O-RAN specifications," said Mike Yang, president at Quanta Cloud Technology. "With partners like Keysight, we strive to ensure improved results, interoperability and openness in the O-RAN ecosystem via various Plugfest activities of which we have been a multiple participant over the years."

### [Radisys](#)

Ganesh Shenbagaraman, head of Integrated Products and Ecosystems at Radisys said, "Radisys and Keysight have partnered to address many of the key challenges associated with implementing, testing and assuring performance of multi-vendor O-RAN based deployments in real world conditions. We are glad that the O-RAN Plugfest event provided us an opportunity to highlight the performance of our 5G Open RAN O-CU and O-DU solution with Keysight's suite of test solutions."

### [Rakuten Mobile Inc.](#)

Mitsuhiro Kuchitsu, Department Manager, QA Multi-Access Department, Quality Assurance Platforms Division, Rakuten Mobile, Inc., said "We are very pleased to collaborate with Keysight on the Plugfest for O-RU and O-CU. Keysight has been a strategic partner for Rakuten Mobile and we look forward to further collaboration to advance the Open RAN ecosystem."

### [Sercomm Corporation](#)

"Sercomm continuously invests in the small cell market and has collaborated with many operators globally," said by Ben Lin, chief technology officer at Sercomm Corporation. "We are pleased to demonstrate 4G/5G Small Cell support for open interfaces like E2, O1 and management of co-existed TR069 and NETCONF protocol supplied by self-developed EMS for flexible deployment. This enables management interface upgrades and introduces various applications. Keysight UE emulator and RF measurement solutions have enabled Sercomm to successfully participate in this Plugfest event."

### [Skoltech](#)

Dmitry Lakontsev, head of the Skoltech Project Center of Next Generation Wireless said, "Validation of 3GPP, as well as O-RAN conformance and performance, are vital elements to the success of the worldwide open architecture movement. As a host for O-RAN Plugfest Open RAN RU integration scenarios, Skoltech can attest that Keysight is a great partner and solid provider of robust design and validation solutions."



## Keysight's Global Participation in O-RAN Plugfest Enables Ecosystem to Speed Technology Development and Standard Maturity

### Wiwynn

"We are grateful to work with Keysight for Wiwynn's s O-DU/O-CU interoperability tests at the 3rd Global O-RAN ALLIANCE Plugfest," said Steven Lu, senior vice president of product development at Wiwynn. "By connecting Keysight's UE/RU/5GC emulators and Wiwynn's EP100, we successfully made the test cases based on O-RAN.WG8-IOT v02, including cell setup, UE registration, PDU session modification with multiple flow, and bidirectional UDP data transfer. Keysight's complete end-to-end solution and solid technical support has enabled this Plugfest to go smoothly."

### Wind River

"Continued collaboration across the ecosystem will be critical to accelerating open RAN on a global level. Collaboration will also help deliver flexible network deployments in an era where 5G services require a cloud-native, carrier grade infrastructure to support innovative edge applications," said Gil Hellmann, vice president, Telecom Solutions Engineering, Wind River. "Wind River is an active member of the O-RAN community and looks forward to offering our expertise and contributions for disaggregated 5G vRAN solutions."

### WNC

"WNC is pleased to once again be a part of the Plugfest event, as the company has greatly benefited from its participation," said Horen Chen, CTO of WNC. "We will continue to contribute our R&D prowess in 5G O-RAN by delivering advanced 5G O-RAN applications to our customers, bolstering the development of 5G worldwide."

### Xilinx

"The Xilinx team is proud to have successfully demonstrated interface compliance between its 5G mMIMO O-RAN reference design and Keysight's O-DU emulation for the first time at the Plugfest," said Dan Mansur, vice president of marketing, Wired and Wireless Group, Xilinx. "We look forward to further collaboration with Keysight and its O-DU portfolio, which together with Xilinx's mMIMO O-RAN solutions will deliver great performance, value and flexibility for this growing market."