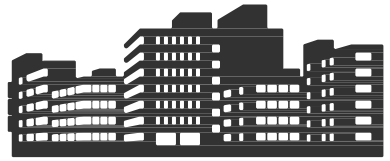
Pioneering Open RAN

About OREX®

OREX
Explore and experience

OREX is an Open RAN service brand launched by DOCOMO and its global partners, to provide customized and comprehensive Open RAN solutions for customers with system integration, vRAN, and software automation.

Collaborations with OREX PARTNERS



Clients
(Global Telecom Operators)

OREX SAI

OREX PARTNERS

DENGYO
DKK Co., Ltd.
FUJITSU
HFR, Inc. for Mobile Internet
MAVENIR
NEC \Orchestrating a brighter world
SOLID SOLiD

aws
AMD
arm
DELL Technologies
FUJITSU
Hewlett Packard Enterprise
intel
MARVELL
MAVENIR
NEC \Orchestrating a brighter world
NTT DATA Trusted Global Innovator
NVIDIA
Qualcomm
Red Hat
vmware by Broadcom
WNDRVR

EXEO Group, Inc.
INCOBECH Telecomunicaciones
KCCTech Innovative Solutions
MIRAIT ONE
COMSYS
SOON POH

Role of New Joint Venture

OREX PARTNERS

- OREX RAN
- OREX SMO
- OREX Services

Procurement

OREX SAI

Verifications & Integration

Optimization & Prepackage

OREX Packages

OREX Packages

Sales & Construction

Customers
(Global Telecom Operators)

Cost-effective mobile network

2024

2024 Achievements

2023 | **2024** | 2025

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OREX RAN

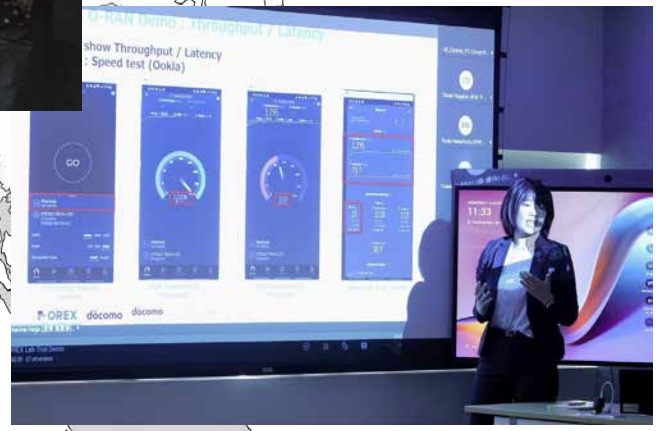
OREX SMO

OREX Services

OREX SAI INC.

Peru
(outdoor)

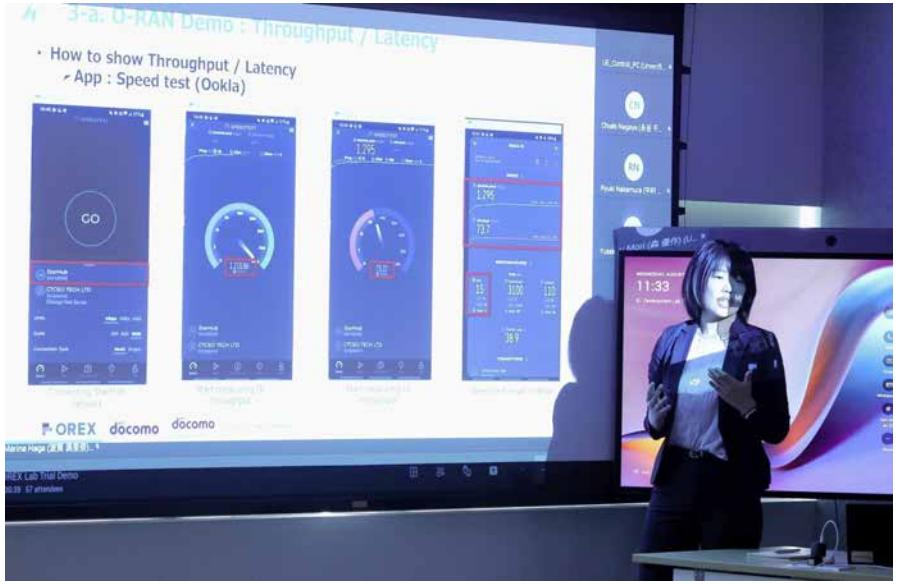
Indonesia
(New capital)



Singapore
(connect to Commercial NW)

Open RAN trial in Singapore (August 2024)

Successfully completed its OREX brand 5G Open RAN Lab Trial with StarHub Limited (StarHub), demonstrating its commercial readiness.



Moving forward, OREX SAI, the face of DOCOMO's Open RAN business, hopes to **enhance the momentum in the collaboration efforts with StarHub towards commercial deployment** and continue pushing the envelope while making Open RAN history.

The results were remarkable, with impressive **throughput, low latency, and successful verification of voice and SMS services,** all demonstrating the power and potential of Open RAN technology.

2025

How DOCOMO addresses Open RAN challenges

What are the Challenges?

- Integration / Interoperability
- Performance / Power consumption
- Operational complexity
- Price (scaling)

Unrealistic? TCO goes up?

How to address?

- Share experiences / test results
- Incorporate new technologies and cross-industry players (e.g. HW accelerator)
- Single contact for multi-vendor orchestration
- Zero touch provisioning / operation **for commercial**

DONE and Continue

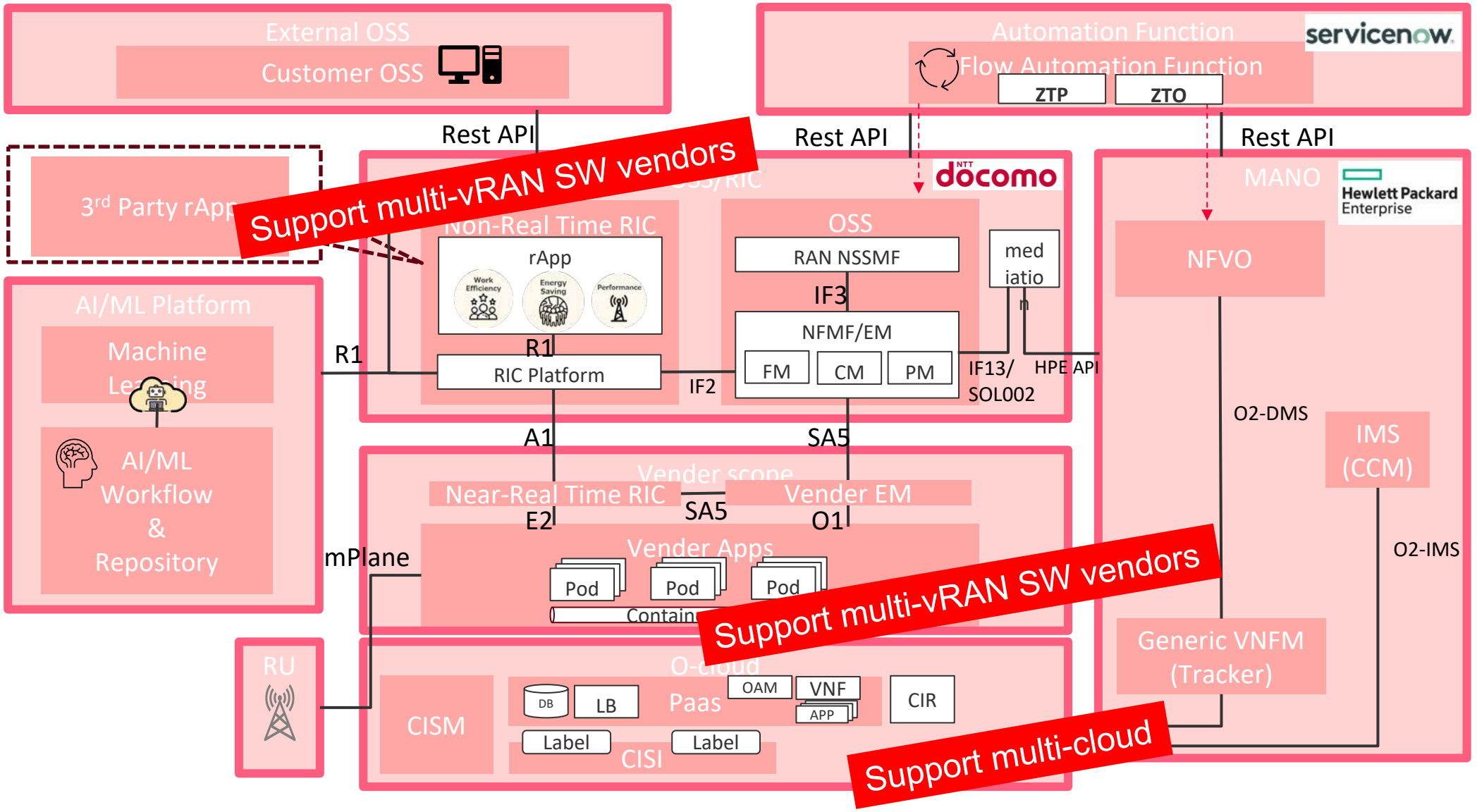
While keeping flexibility

Commercial Contract in Indonesia

PT Solusi Sinergi Digital, Tbk (“SURGE”), a leading Indonesian digital infrastructure company, OREX SAI and NEC signed a MOU to aim to bring transformative 5G Fixed Wireless Access solutions powered by Open RAN technology

The MOU highlights a shared interest in fostering digital equity in Indonesia. With the ASEAN region’s lowest fixed broadband penetration rate, Indonesia’s 93 million households face significant challenges in accessing affordable and reliable internet. Through this collaboration, SURGE and OREX SAI aim to expand connectivity to underserved communities, providing high-speed internet access for up to 40 million households.

ZTP/ZTO system architecture for multi-vendors



We will strongly support the construction of Open RAN in countries around the world to realize a world without communication disparities.

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Web Site

OREX DOCOMO

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https://ssw.web.docomo.ne.jp/orex/en/

NTT
docomo