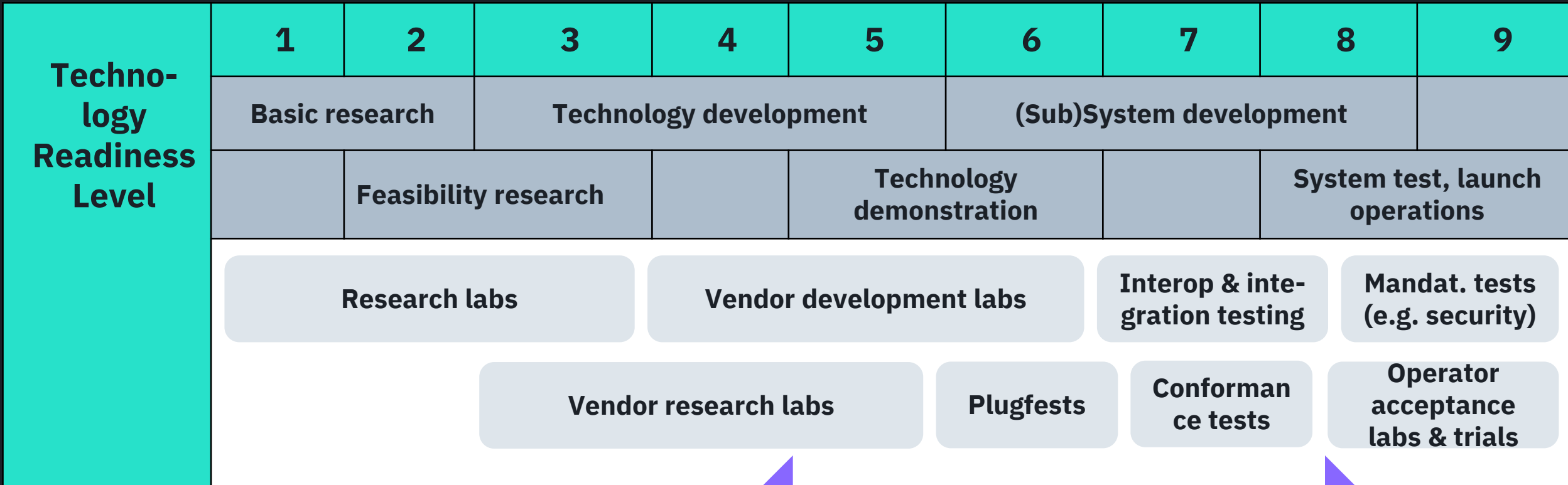# PITCH PRESENTATION

The i14y Lab Advantage: How can you collaborate with us for your future in Open RAN

GERALD HUBER & OLAF BONNEß

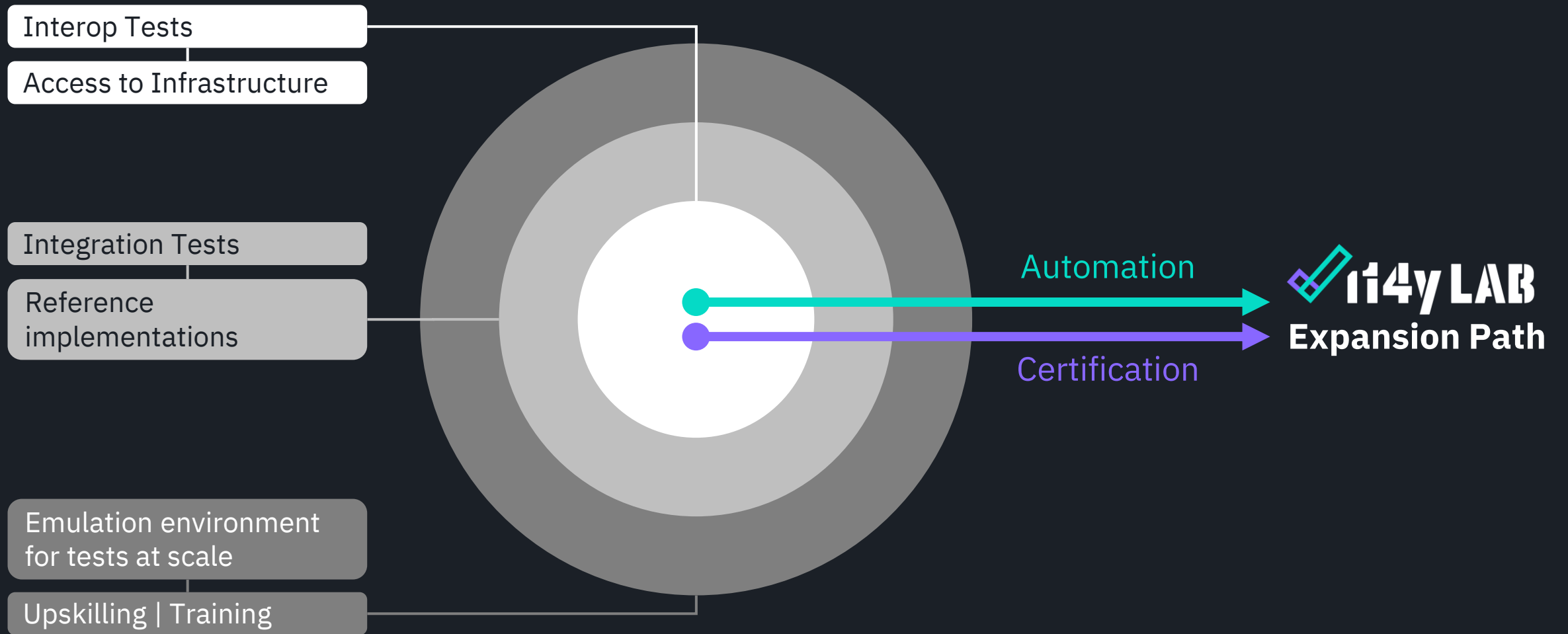# i14y's Position in Testing Landscape

Techno-logy Readiness Level	1	2	3	4	5	6	7	8	9
	Basic research		Technology development			(Sub)System development			
		Feasibility research			Technology demonstration			System test, launch operations	

Research labs

Vendor development labs

Interop & integration testing

Mandat. tests (e.g. security)

Vendor research labs

Plugfests

Conformance tests

Operator acceptance labs & trials

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Goal | Lab as a service plus+

Interop Tests

Access to Infrastructure

Integration Tests

Reference implementations

Automation

Certification

Emulation environment for tests at scale

Upskilling | Training

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Expansion Path

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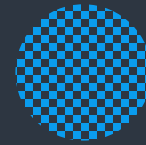
i14y Lab | Test Set-Ups
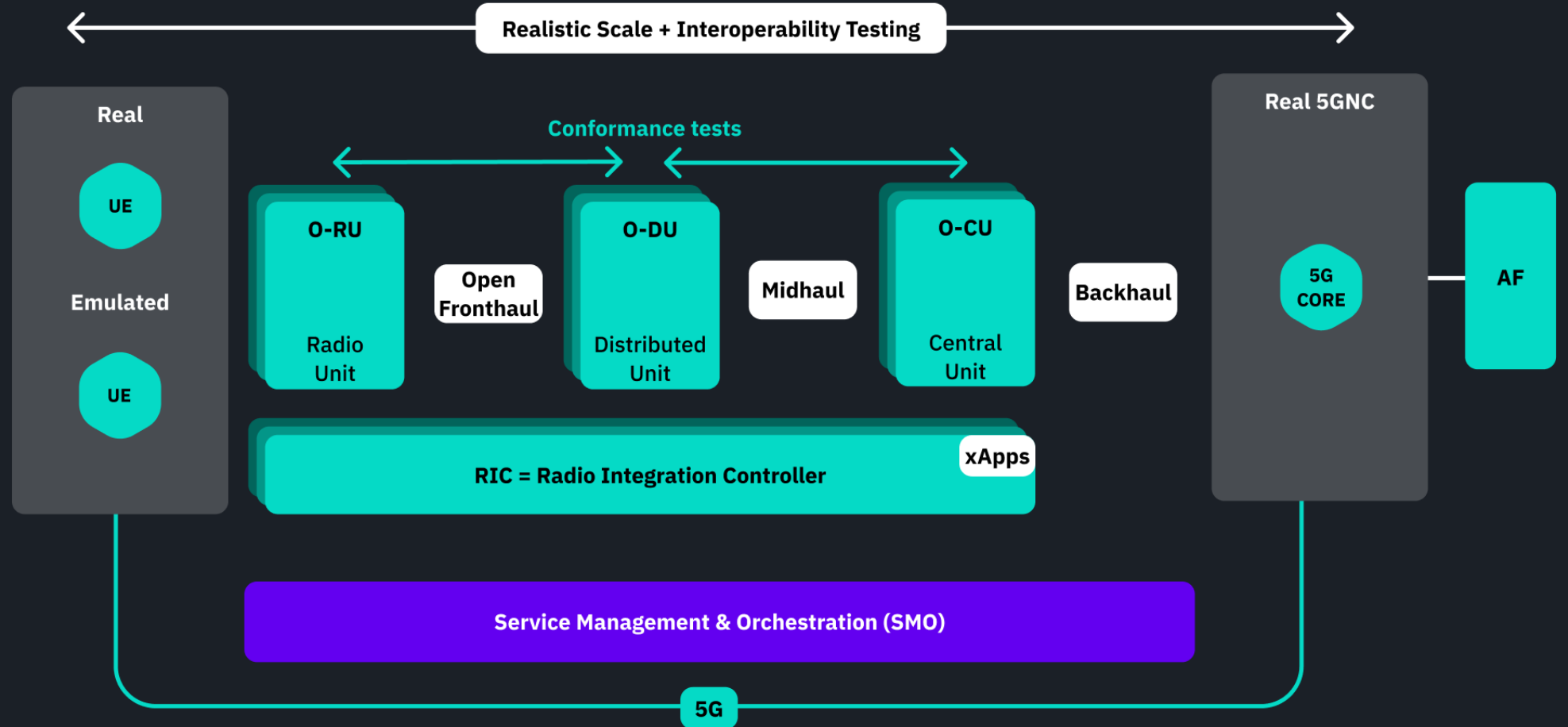
Permanent
Test Set-Ups

Temporary
Test Set-ups

On-Demand
Test Set-Ups

i14y LAB

Permanent Test Set-Ups | E2E Reference Framework

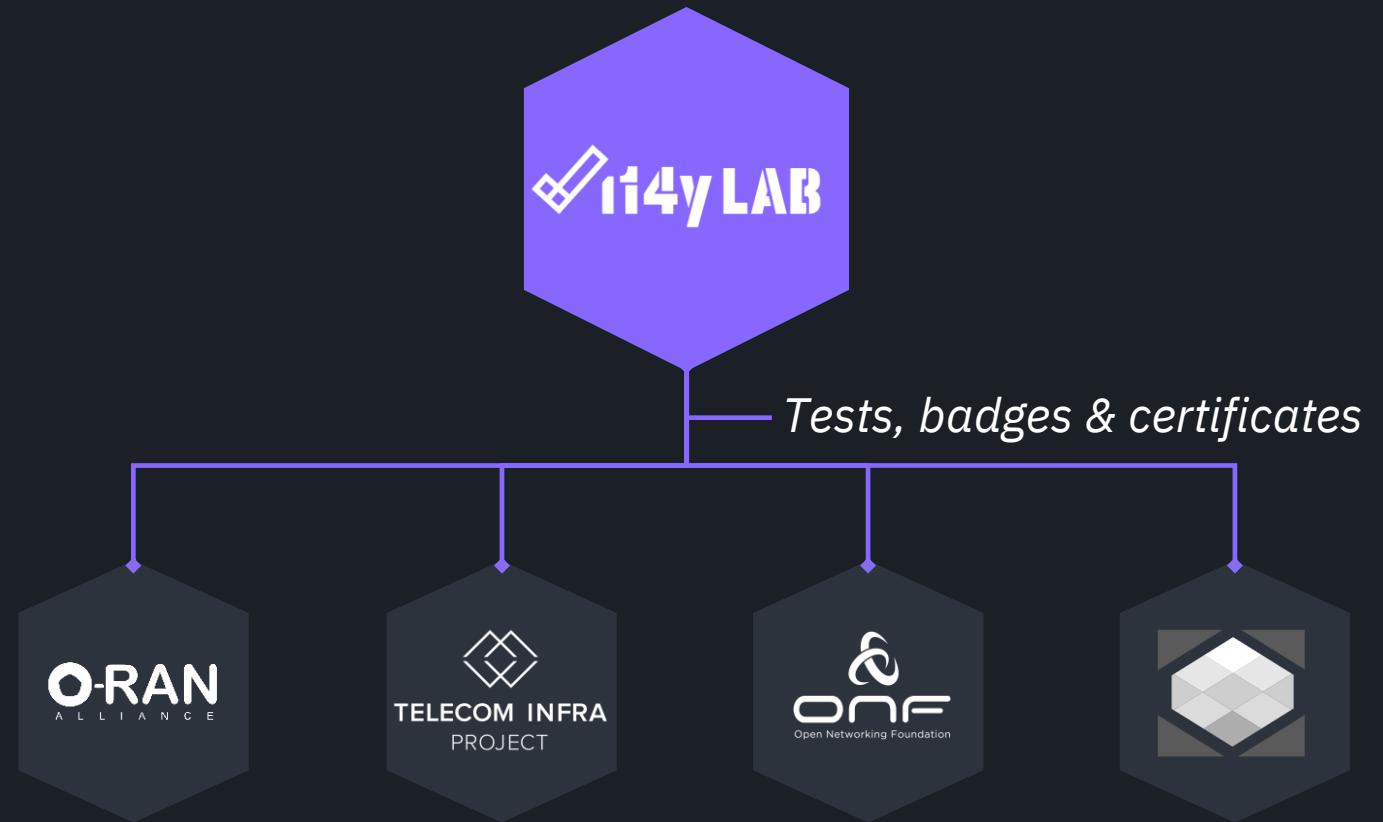Multi-vendor interoperability, functional, performance, service and load testing.

Realistic Scale + Interoperability Testing

Conformance tests

Real

UE

Emulated

UE

O-RU
Radio Unit

Open Fronthaul

O-DU
Distributed Unit

Midhaul

O-CU
Central Unit

Backhaul

Real 5GNC

5G CORE

AF

RIC = Radio Integration Controller

xApps

Service Management & Orchestration (SMO)

5G

i14y LAB

Serves as a broader frame for standardized testing

Open Ecosystem

Leveraging TIP exchange & badging and O-RAN OTIC badges.

Different levels of conformance, integration & interoperability tests towards certification

i14y partner actively contribute to related blueprints for bringing badging to real-life

Tests, badges & certificates

Wrap up - What's in it for you?

Operators
- Faster innovation
- Reduced effort & cost
- Less vendor lock-in

System Integrators
- New business opportunities
- Profit from future approach
- Minimized testing costs

Supporters & Public Sector
- Business evolution in open ecosystem
- Standardization & certification

Mature Vendors
- Showcase capabilities of Open RAN products
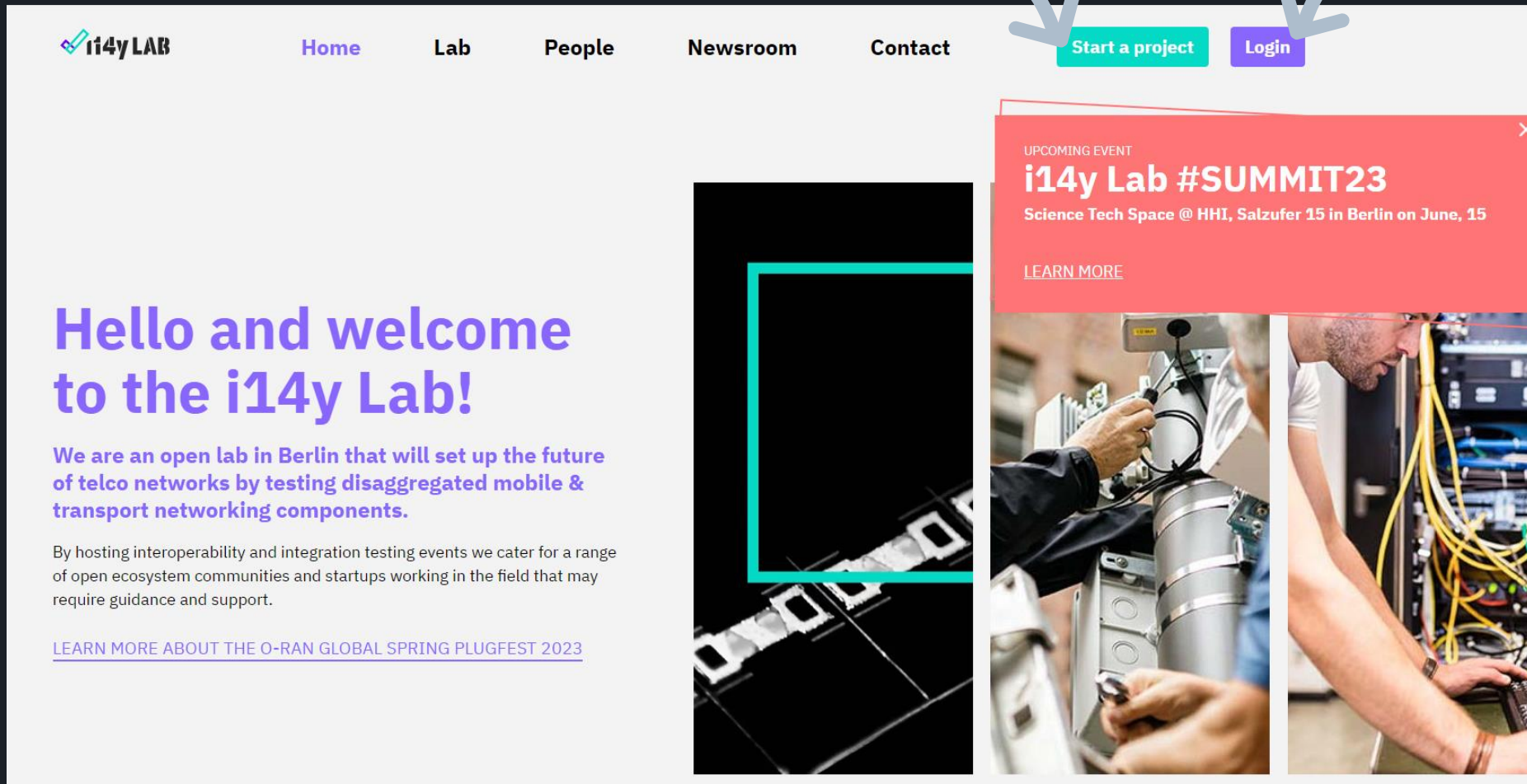- Drive the open ecosystem
- Certification & Badging

Start-Ups
- Market opportunities
- Lowered entrance barriers
- Access to large scale testing facilities

Academia Research
- Access to infrastructure
- Implementation Insights

What's your role?

i14y LAB

Touchpoint website

stay up-to-date or start a new project with us

Register
www.i14y-lab.com