



srsRAN Enterprise 5G



www.srs.io

Software Radio Systems

- Private company founded in 2012
- Headquartered in Ireland
- Offices in Ireland and Spain
- Global customer base
- 28 Full-time employees
- 100% Software radio
- 100% Organic growth



www.srs.io

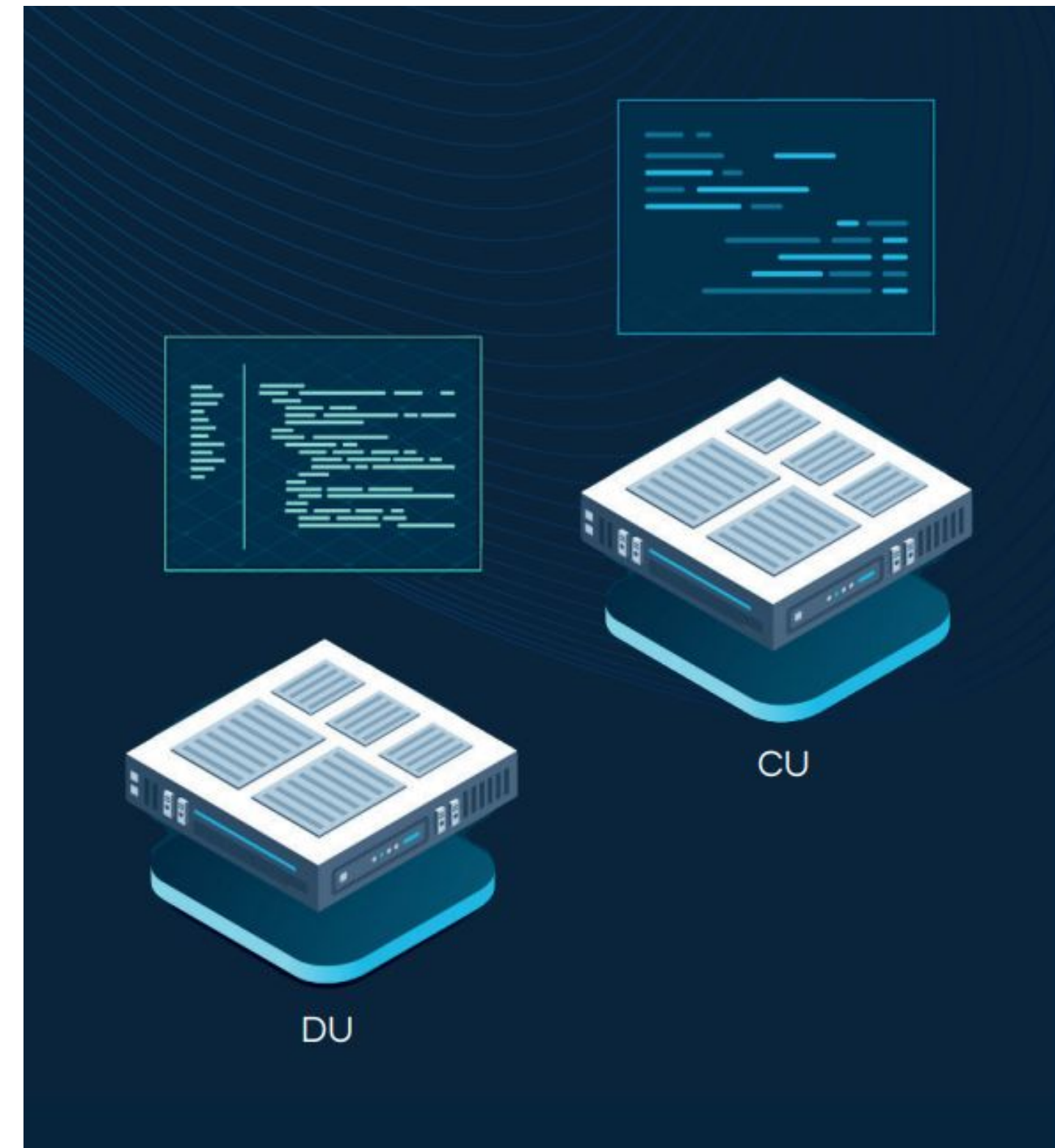
Expertise

- Special-purpose network design, development and deployment
- End-to-end network solutions (Core-RAN-UE)
- Mobile wireless technologies (4G 5G Next-G)
- Full-stack expertise
- Custom-built tools and applications



srsRAN Enterprise 5G

A complete 5G RAN software solution based on O-RAN architecture.
Featuring CU+DU L1/2/3 from Software Radio Systems.



srsRAN Enterprise 5G

A complete 5G RAN software solution based on O-RAN architecture.
Featuring CU+DU L1/2/3 from Software Radio Systems.

Key Benefits



Modifiable
Source-code licensing



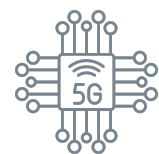
Modular
3GPP/O-RAN/SCF interfaces.



100% SRS
L1/2/3 developed in-house.



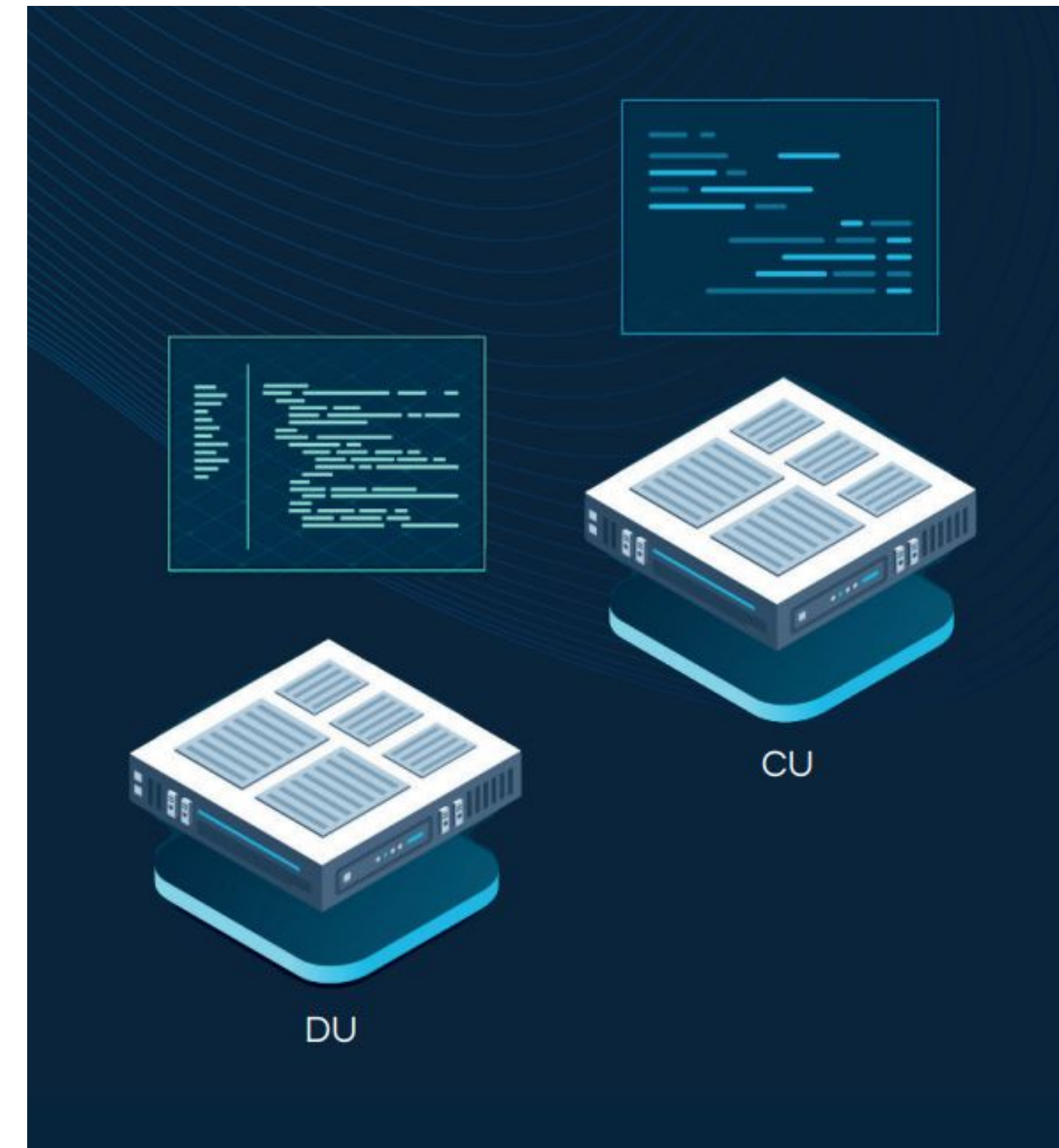
Scalable
Embedded small-cell, vRAN,
cloudRAN



Portable
Deploy on Intel, AMD and
ARM.



Pre-Integrated
Wide range of supported RU,
Core, SMO and RIC solutions.

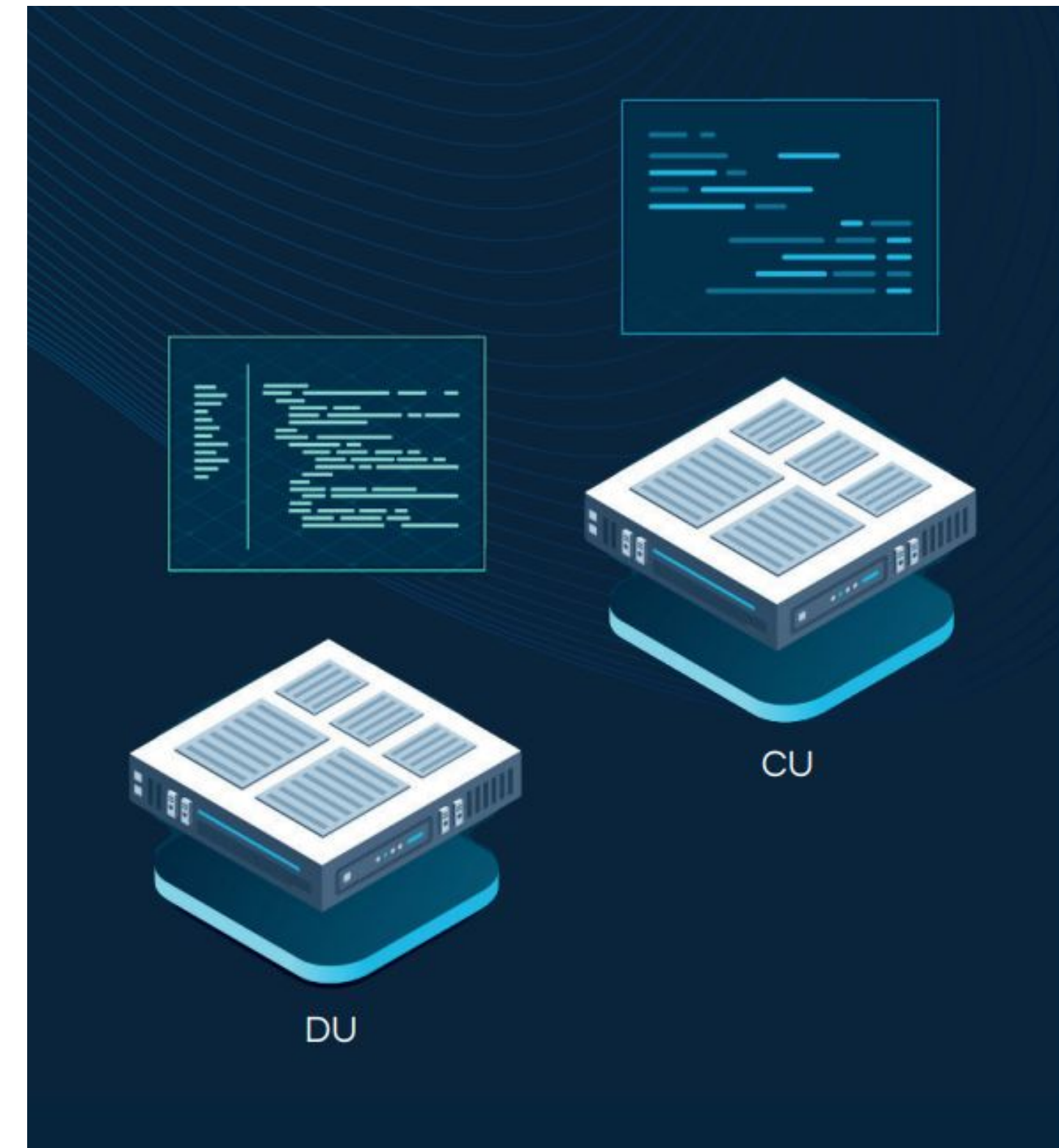


srsRAN Enterprise 5G

A complete 5G RAN software solution based on O-RAN architecture.
Featuring CU+DU L1/2/3 from Software Radio Systems.

Technical Features

- 3GPP Rel. 17 - eMBB and NTN support.
- Freq. bands - FDD/TDD FR1 bands.
- Bandwidth - Up to 100MHz, 15/30 kHz SCS.
- MIMO - Up to 4T4R, 4-layer DL, 4-layer UL.
- TDD - All patterns, inc. uplink heavy and low latency.
- Security - AES, SNOW3G, ZUC.
- MOCN - Multi-Operator Core Network support.
- Positioning - eCID, UL-RTOA, PRS support.
- QoS - Delay-critical, Mission-critical, and VoNR profiles.

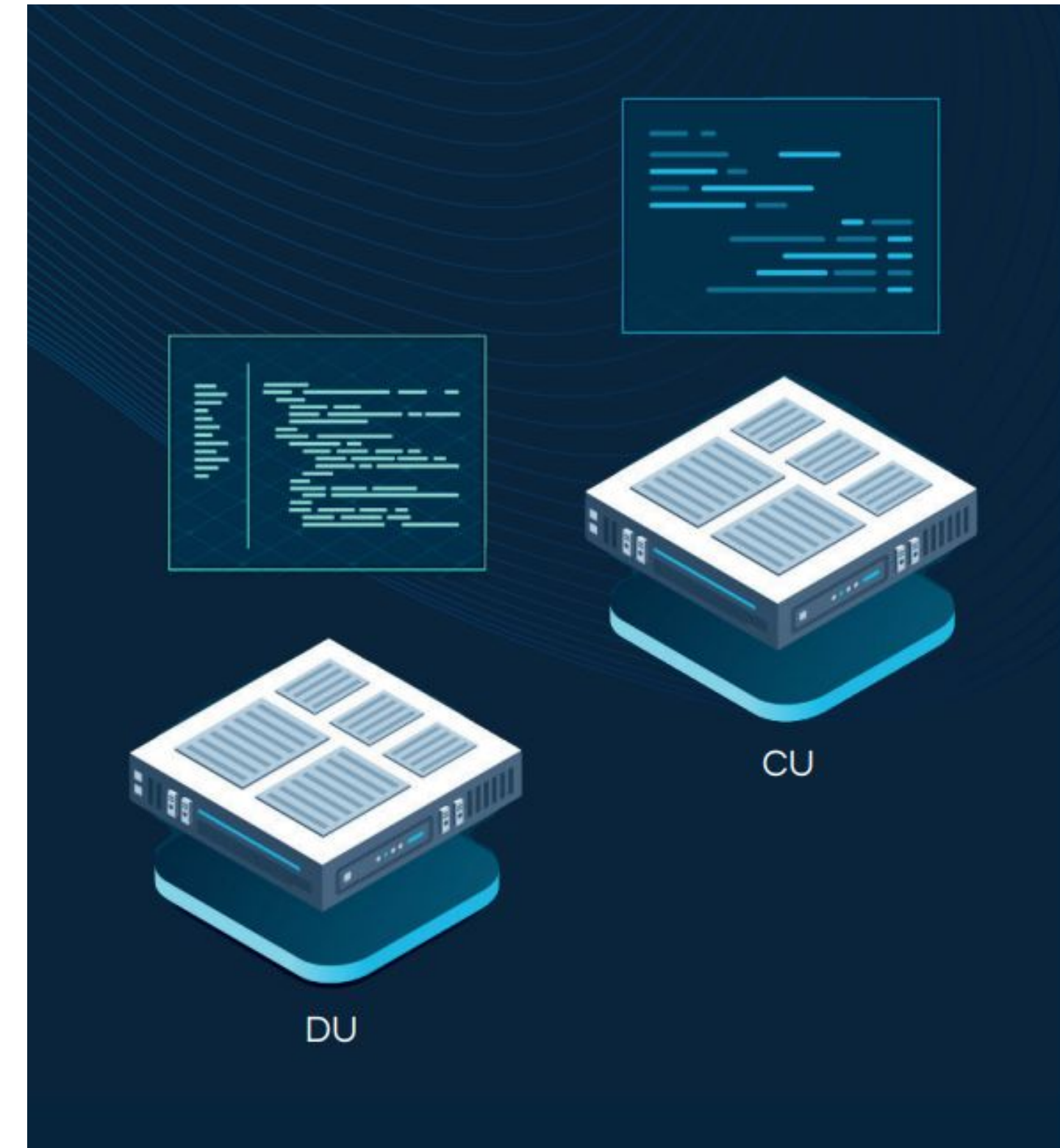


srsRAN Enterprise 5G

A complete 5G RAN software solution based on O-RAN architecture.
Featuring CU+DU L1/2/3 from Software Radio Systems.

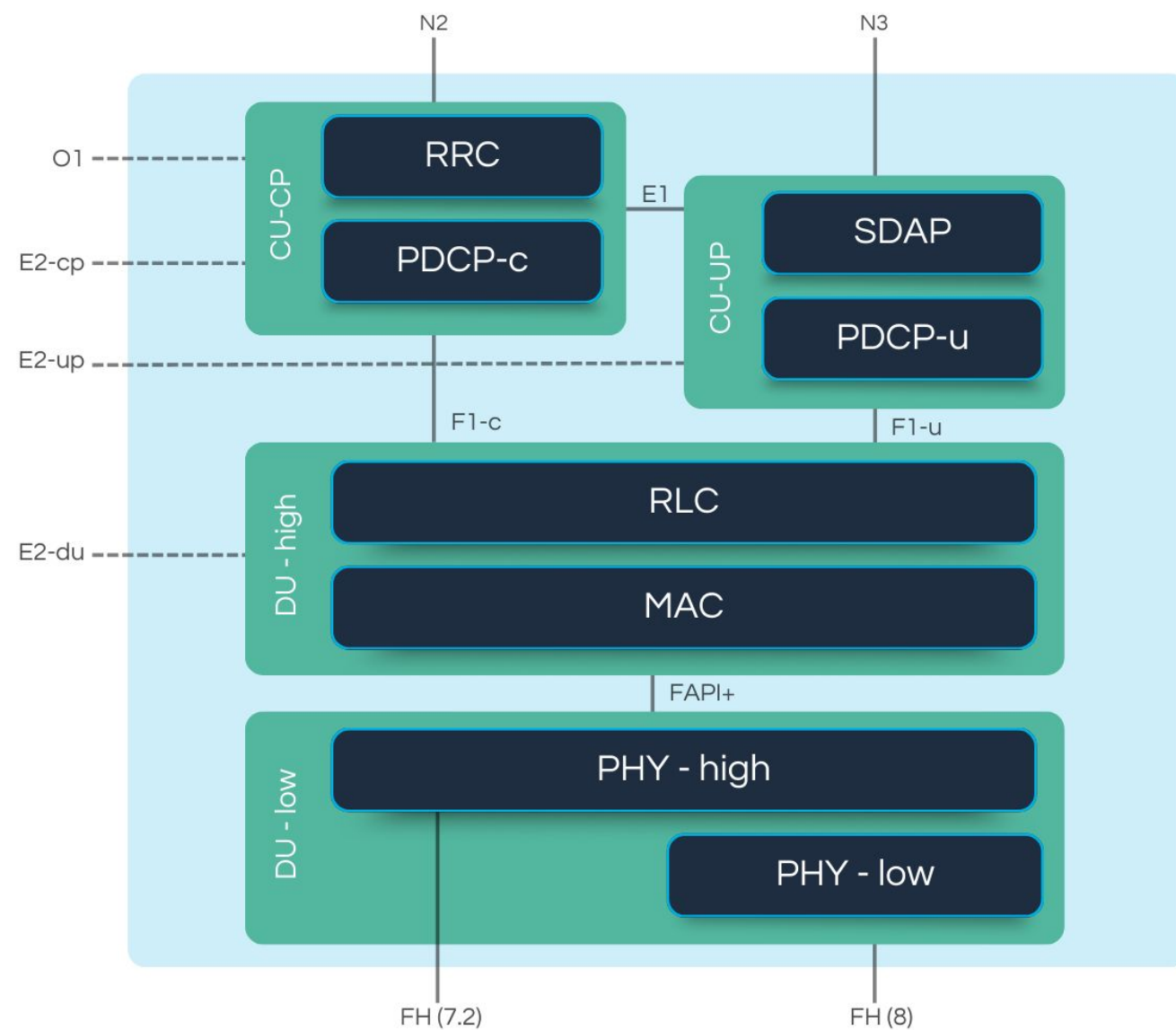
Deployment Options

- vRAN - deploy on any Linux OS.
- cloudRAN - CNF with Kubernetes/Helm support.
- Small-cell - L1 SoCs supported via FAPI interface.
- Acceleration - optional ACC100, vRAN Boost integration.
- Radios - fronthaul split-8 and O-RAN split 7.2.
- Baseband - deploy on Intel/AMD/ARM hardware.

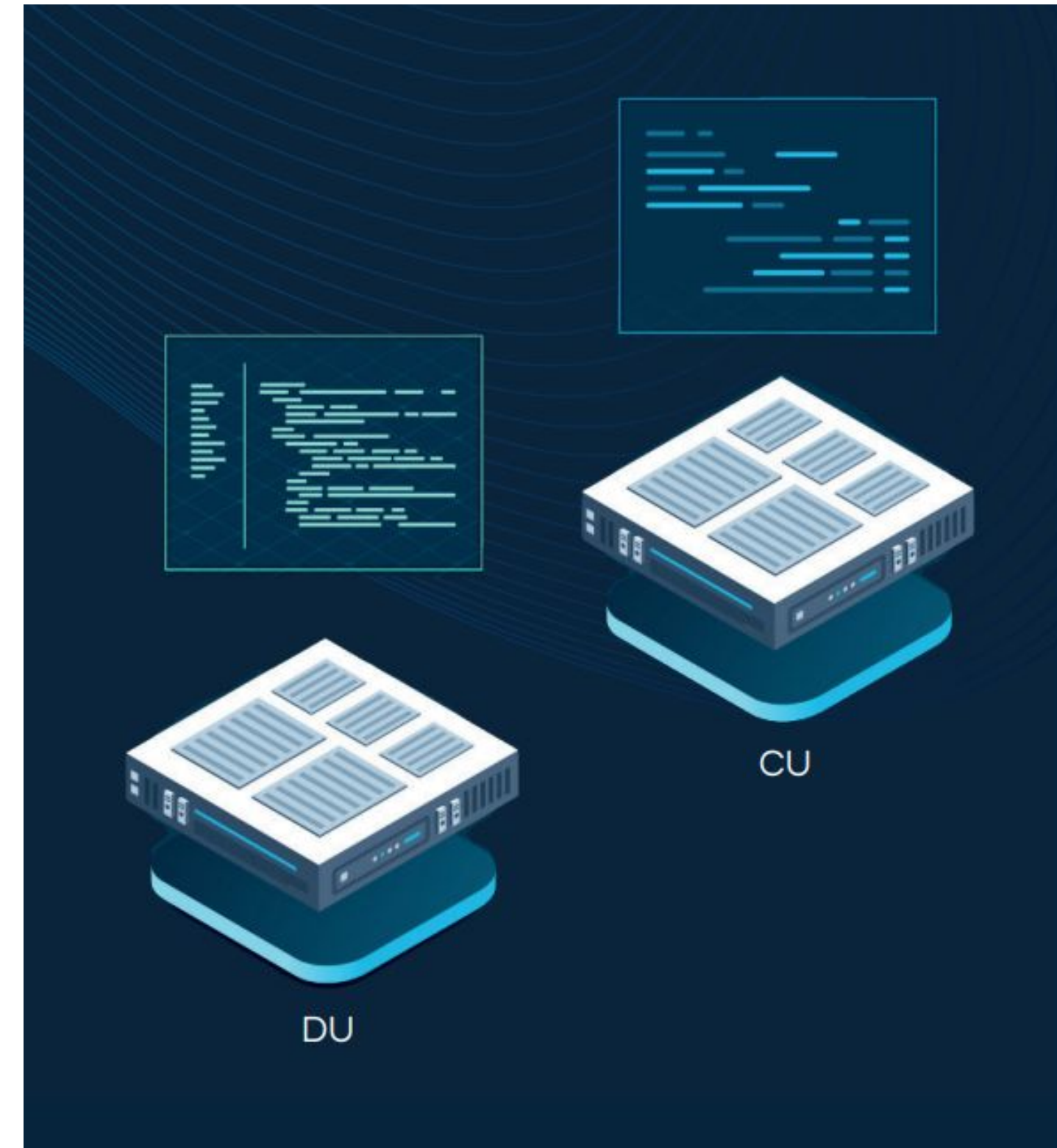


srsRAN Enterprise 5G

A complete 5G RAN software solution based on O-RAN architecture.
Featuring CU+DU L1/2/3 from Software Radio Systems.










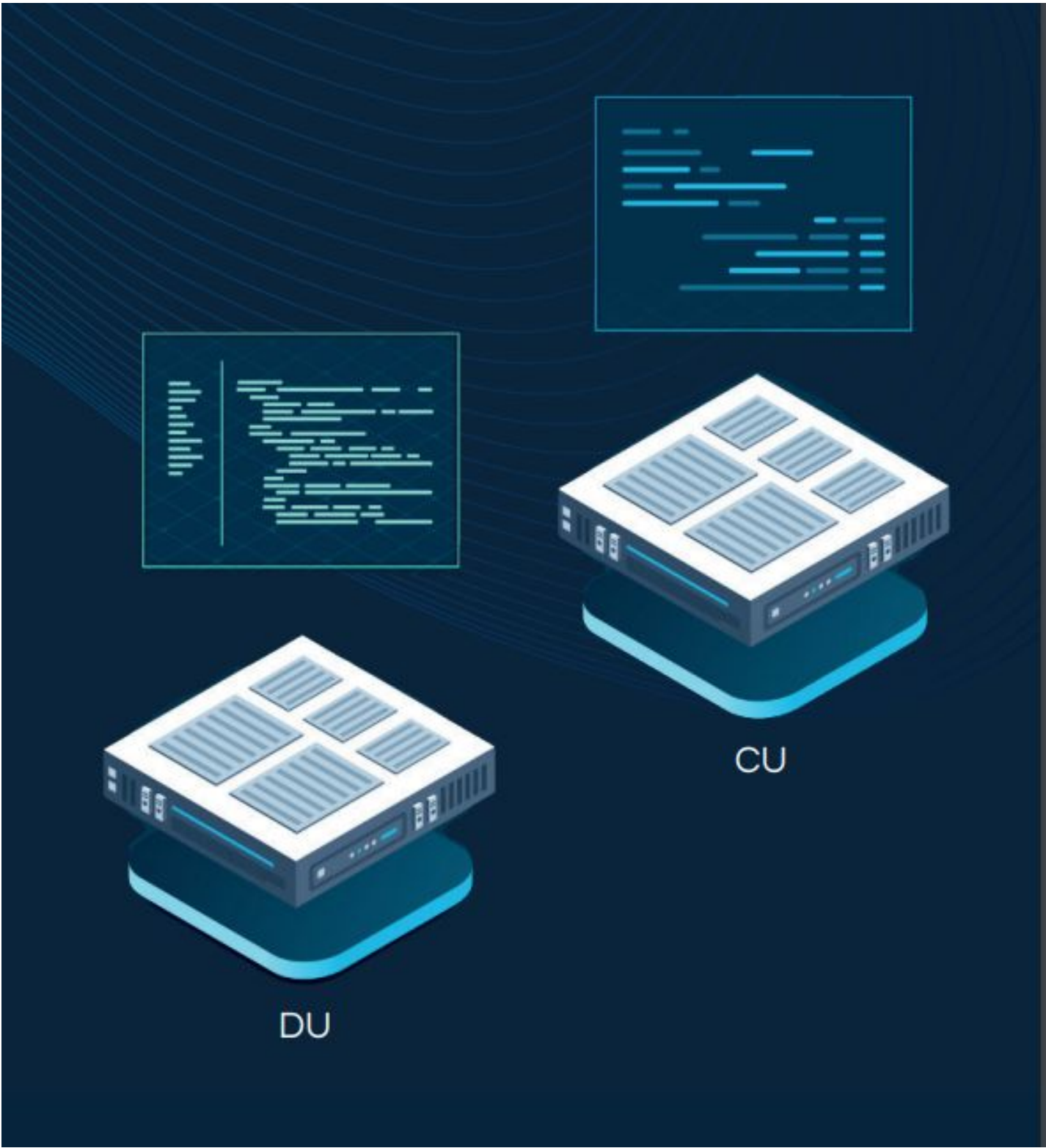
- Complete
- Portable
- Performant
- Open
- Flexible
- Interoperable



srsRAN Enterprise 5G

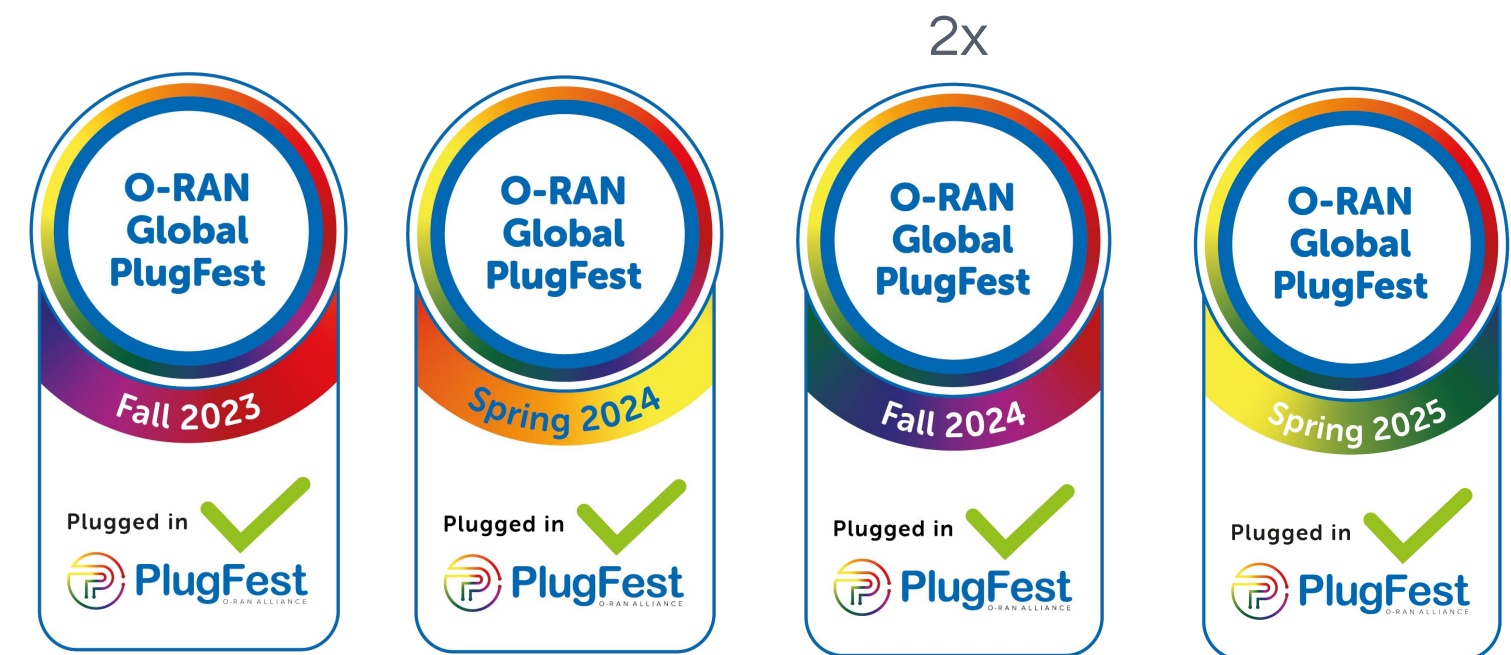
Integrations

Core Networks	Radio Units	SMO
        	              	   



Interop-Testing and Certification

- Digital Catapult/SONIC Labs Cohort 5 member [Link](#)
 - Theme: “performance evaluation of Open RAN products at scale while also validating performance, handover, and mobility”
- ORAN Plugfest Activities (European and North American)
 - 5x plugfest participant with Orange Labs, University of Utah (POWDER) and i14y Labs
 - Topics: srsRAN with Project Sylva, ORAN Security Testing, (Outdoor) Mobility testing
- Currently:
 - ORAN TIFG E2E Badge with i14y Labs

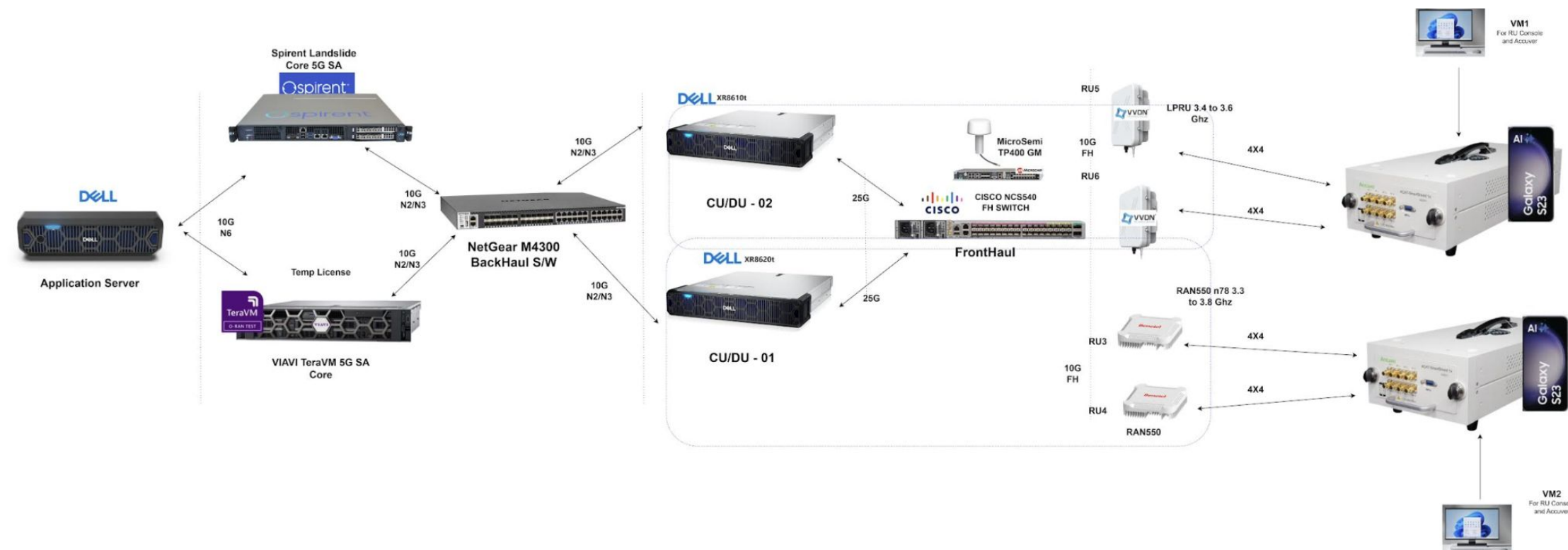


O-RAN E2E Certification @ i14y Labs



“Demonstrate and validate that an end-to-end system or subsystem meets minimum requirements in terms of functionality and security and other mandatory end-to-end functionalities using O-RAN defined end-to-end tests.”

- All 3GPP security tests (SCAS)
- Single and multi slice test
- Intra- and Inter-CU/DU Mobility tests (intra- and inter frequency, active and idle mode)



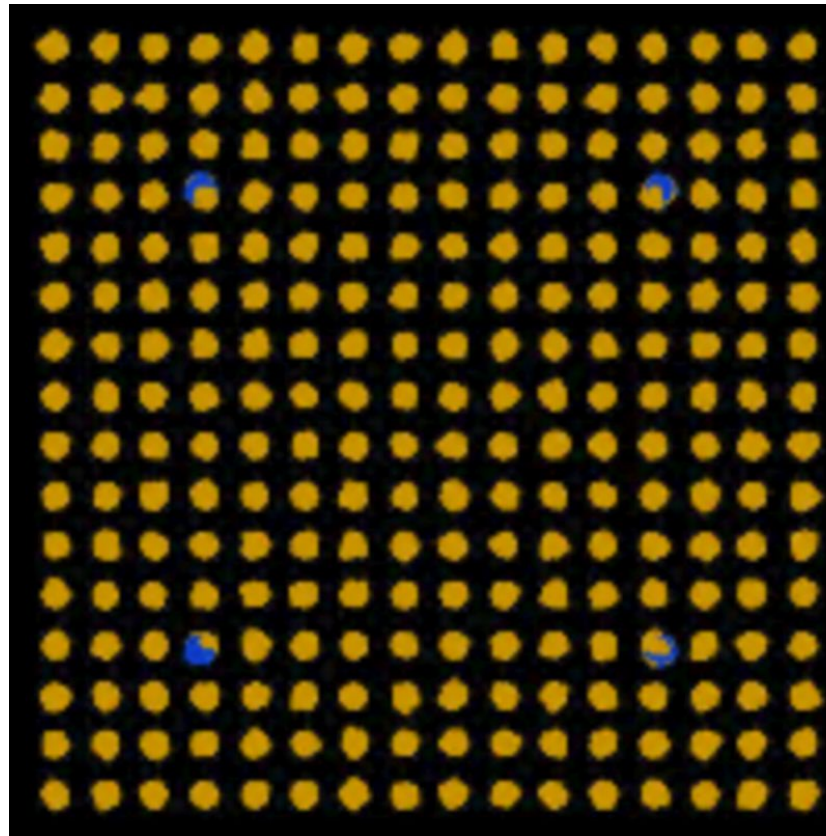
New: Massive Beams ModRad Interoperability

- O-RAN radio unit and Software Defined Radio in a single device
 - ORU: 4T4R, 0.5W, 3.5 GHz, up to 200 MHz BW
 - SDR: 4T6R up to 6 GHz, 200 MHz/400 MHz BW
- srsRAN providing split-7.2x and split-8 reference DU
- See a demo of the latest integration work at the MB booth!



New: Eridan RU Interoperability

- Small form-factor, high-performance, low-EVM O-RAN radio unit
 - Up to 40 MHz 2T2R
- srsRAN providing split-7.2a reference DU
- See a demo of the latest integration work at the Eridan booth!



3 CC0-BWP1 Slot Summary			
Slot	Channel	EVM	Power per RE
1	PDSCH 1	1.503 %	-32.71 dBm
1	PDSCH 1 DMRS	1.317 %	-32.67 dBm
2	PDSCH 1	1.517 %	-32.71 dBm
2	PDSCH 1 DMRS	1.406 %	-32.67 dBm
3	PDSCH 1	1.543 %	-32.71 dBm
3	PDSCH 1 DMRS	1.334 %	-32.67 dBm
4	PDSCH 1	1.484 %	-32.71 dBm
4	PDSCH 1 DMRS	1.320 %	-32.67 dBm
5	PDSCH 1	1.533 %	-32.72 dBm
5	PDSCH 1 DMRS	1.349 %	-32.68 dBm
6	PDSCH 1	1.494 %	-32.71 dBm
6	PDSCH 1 DMRS	1.301 %	-32.68 dBm



Contact Us

Feel free to reach out to us to know more about products.
We're enthusiastic about collaborating with you.

-  www.srs.io
-  info@srs.io
-  +353 21 23488357
-  Cork | Barcelona

Follow us!

