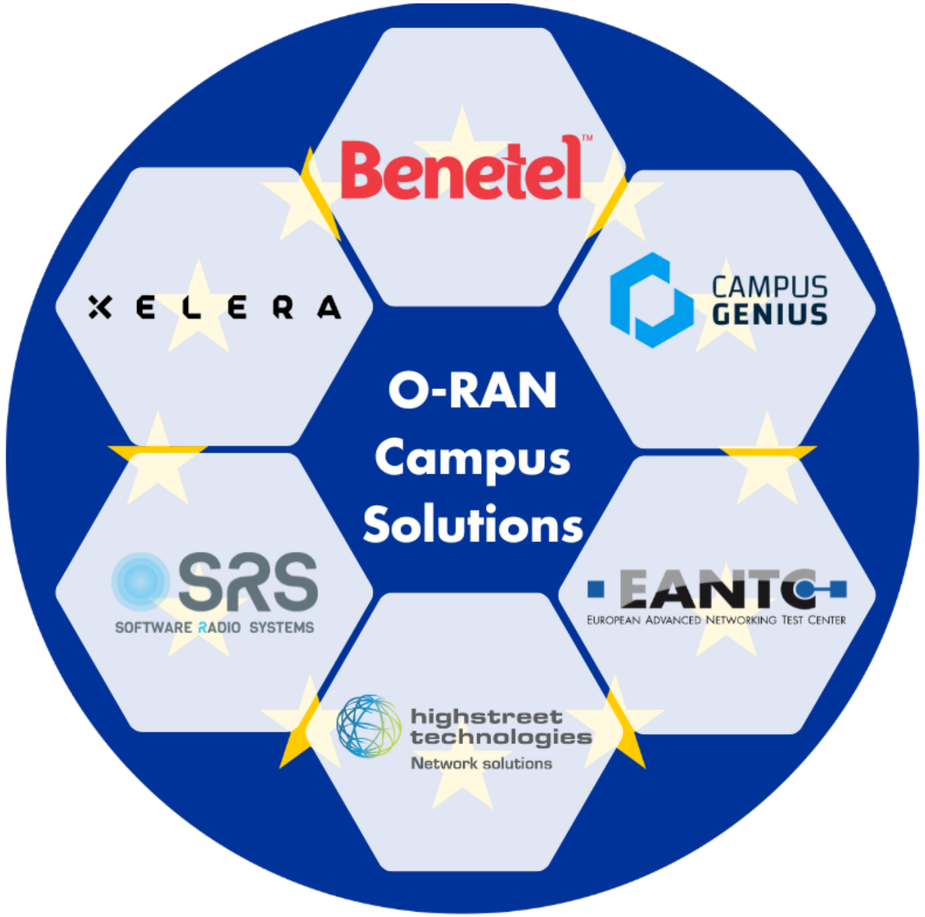
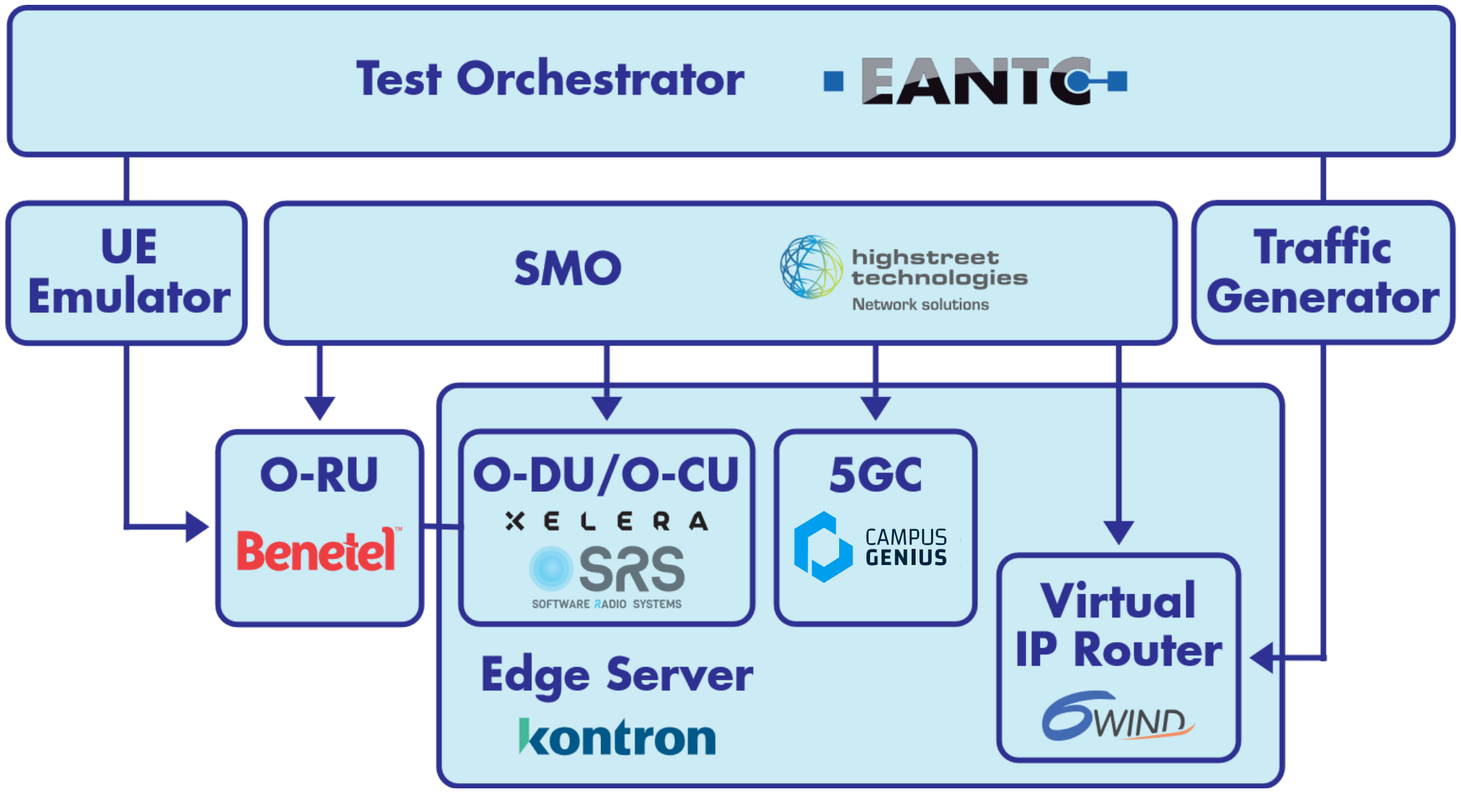
European SME Solutions for Open Campus Networks



Testing Collaboration – End-to-end (E2E) Setup



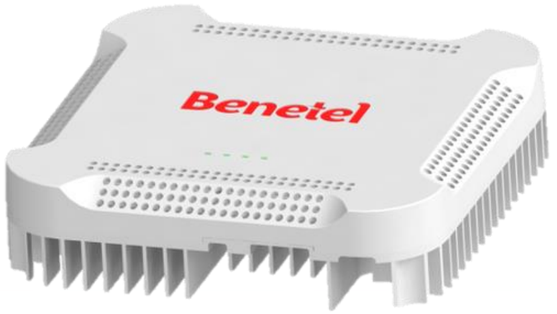
- Performance comparison between two RAN integrations:
  - RAN 1 running over a network accelerator card
  - RAN 2 not running over a network accelerator card
- ~20% increased performance when using RAN 1

OpenRAN Radio Units.
Opening Possibilities.

Benetel™

5G OpenRAN Radio Units
For Industrial Campus Networks

RAN650
OUTDOOR RU
Medium Power
5G bands:
n77, n78, n79
4 RF Ports, Gnss



RAN550
INDOOR RU
Low Power
5G bands:
n77, n78, n79
Built-in Antennas

Accelleran ASOCS Capgemini G REIGNS is-wireless JMA MAVENIR OPEN AIR INTERFACE Parallel WIRELESS QCT Radisys SRS SOFTWARE RADIO SYSTEMS

CU / DU Integration Partners

Benetel™

CAMPUS
GENIUS

5G starts at the core

The GeniusCore

The GeniusCore is the heart of your 5G network, handling device registration, routing, and ensuring top-notch data quality.

This cloud-native 5G Core, tailored for reliability and security, simplifies the operation of your 5G network.

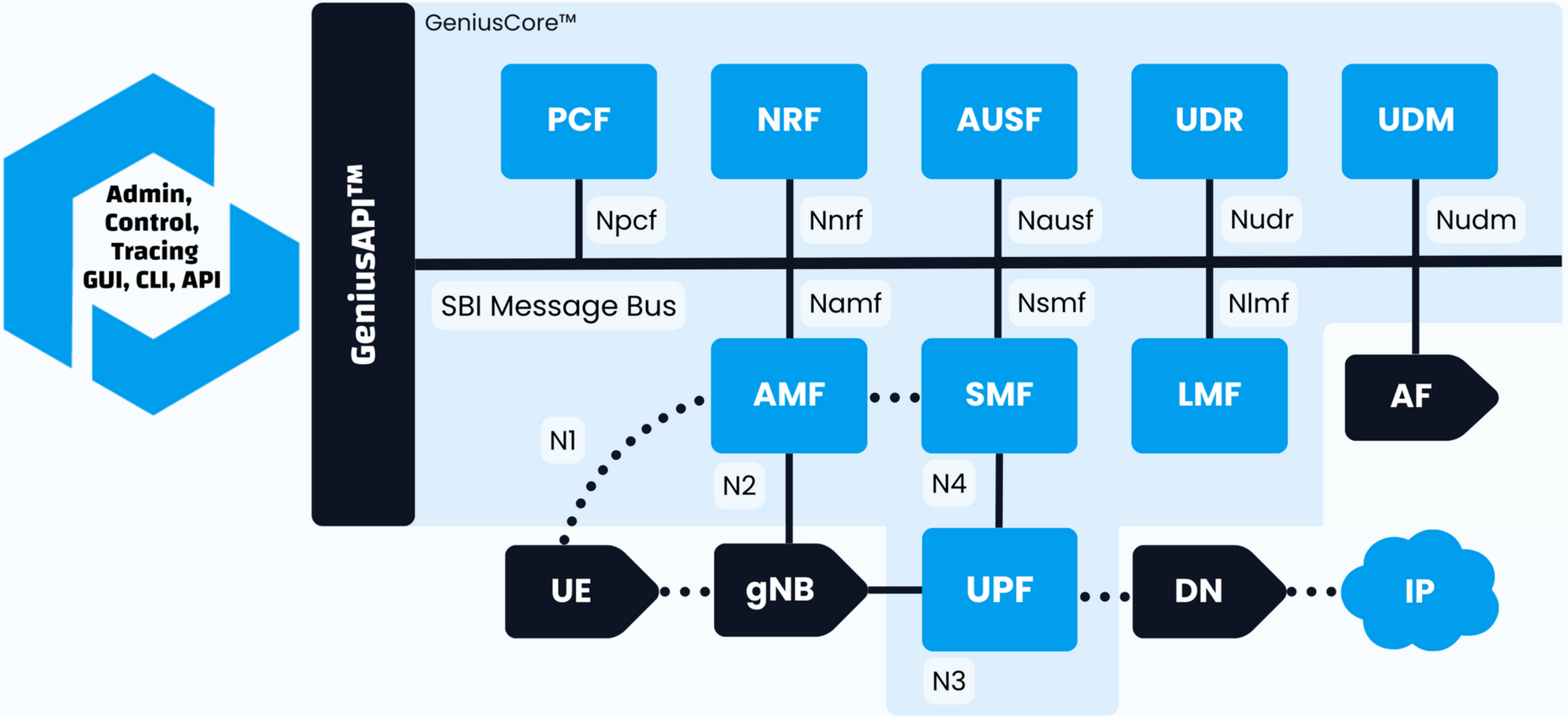
API-Centric 6G SA-Core

Reliable & Secure

Interoperable & Scalable

Intuitive GUI

The GeniusCore



EUROPEAN ADVANCED NETWORKING TEST CENTER

Test Automation

EANTC (European Advanced Networking Test Center)
Independent Test Lab Founded in 1991

Quality assurance for innovative mobile and fixed networks, hybrid cloud, and network security

Emulating **realistic, complex use case scenarios at scale**

100% vendor-neutral; proud to create **reproducible and verifiable results**

Specializing in **well-coordinated multi-vendor interoperability** tests

Actively participating in **standardization of test methods**, including O-RAN Alliance, TIP, IETF, ETSI, and others

An Integrated Demo

Showing the Certification-Function of the EANTC test orchestrator

Run multiple pre-configured Test Cases at once

Encompassing all Test Cases needed for an O-RAN Alliance TFIG E2E Badge

Collect Metrics automatically

Evaluate PassFail-Criteria instantly

Automated Reporting in O-RAN Alliance TIFG E2E Badge format

Mobile Network Testing
UE-Emulation

Interoperability Testing

Performance/Scalability Testing

SCAS Security Testing

O-RU Conformance Testing

X-Haul Testing

NETCONF Functionality Testing

EANTC Test Orchestrator
Accelerating repeatable Testing

Goals

- Simplify Reproducible Testing
- Accelerate Test Execution
- Optimize Lab Usage
- Reduce Human Errors
- Avoid Tedious Reporting Tasks

Solution

- Open Source-Based
- Technology-Independent Automation
- Multi-Tool Vendor Solution
- Configure-Test-Report: Automated Pipeline
- Simple User Interface
- Resource reservation and Test scheduling

Services

- Lab-as-a-Service Offerings
- Build-Operate-Transfer Models
- Tenant Support
- Preconfigured Testcases
- Based on O-RAN TIFG and TIP specifications

Accelerating and simplifying repetitive Testing
Configure Once, Run Infinitely

Original goal

Eliminating tedious setup of parameters for each test

Solution

Configure the testbed with parameters once

Parameters are applied to each test case automatically

Run each test case without further setup

Setup-to-Test-Process

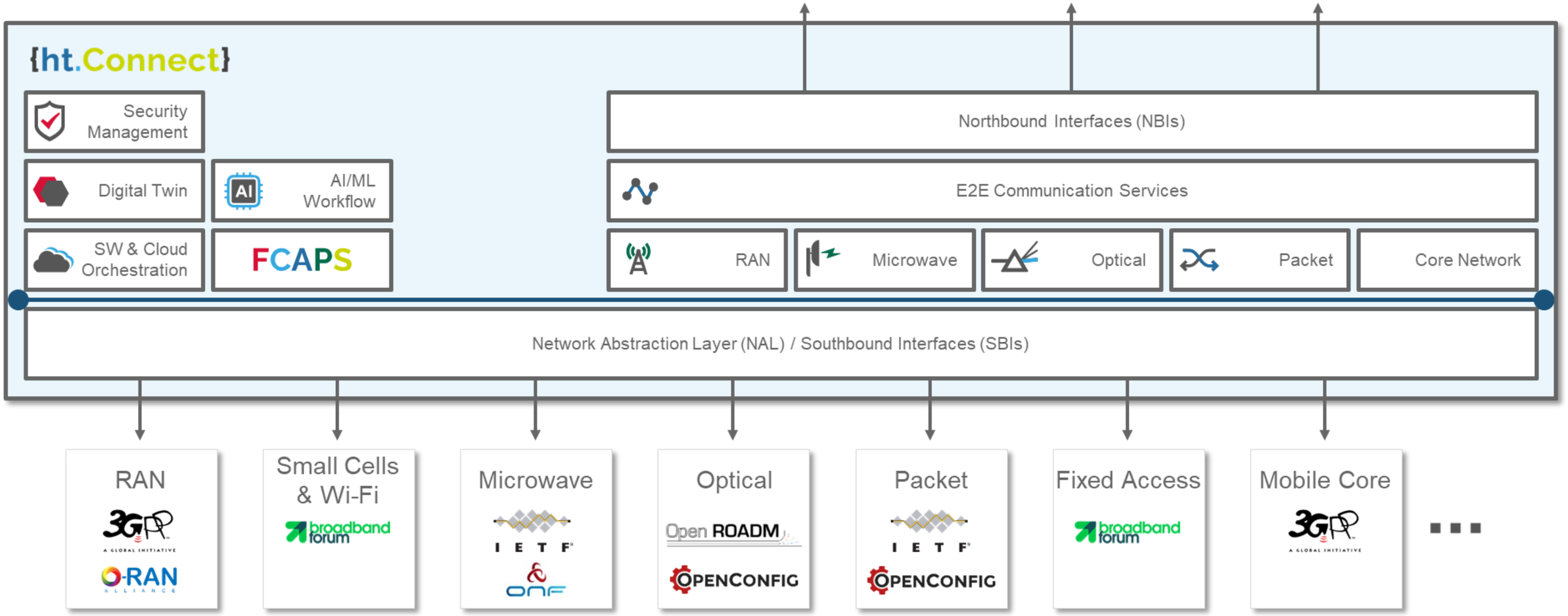
highstreet technologies

Network solutions

SMO portfolio

ht.Connect highstreet technologies' SMO portfolio

highstreet technologies
Network solutions



5G RAN software solution

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

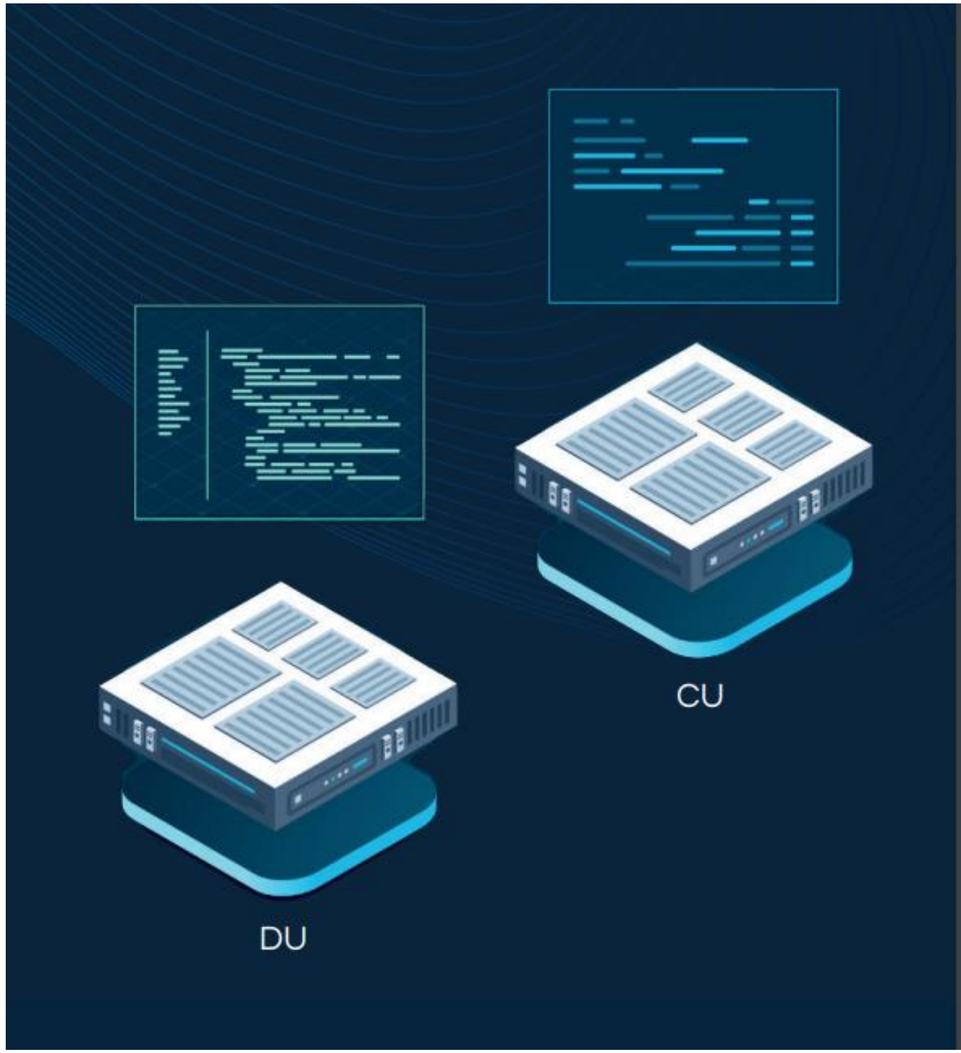
Modular
3GPP/O-RAN/SCF interfaces.

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.



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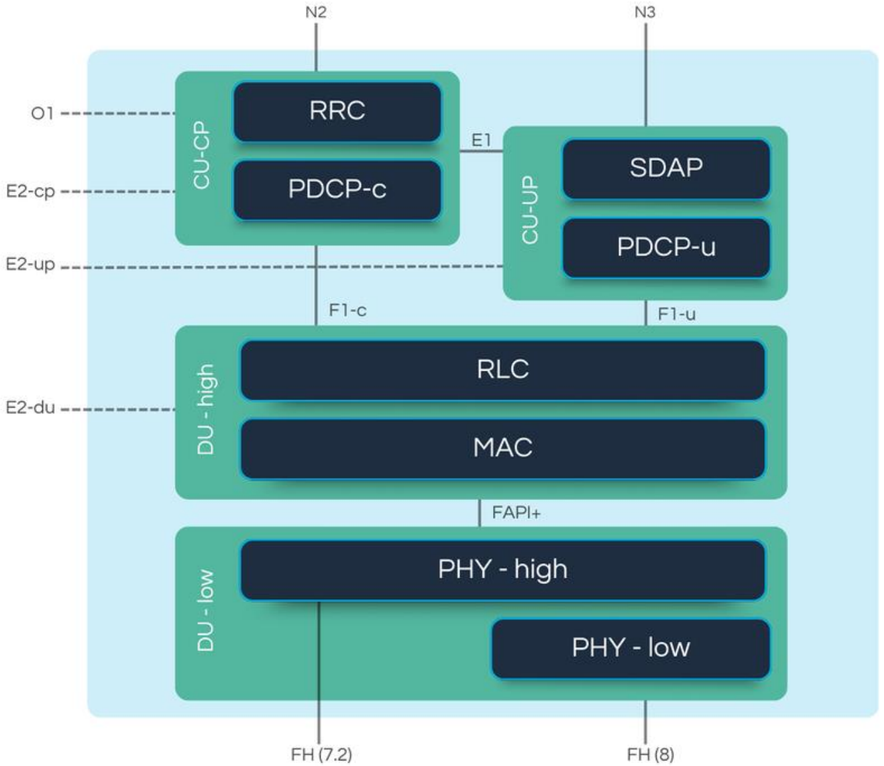
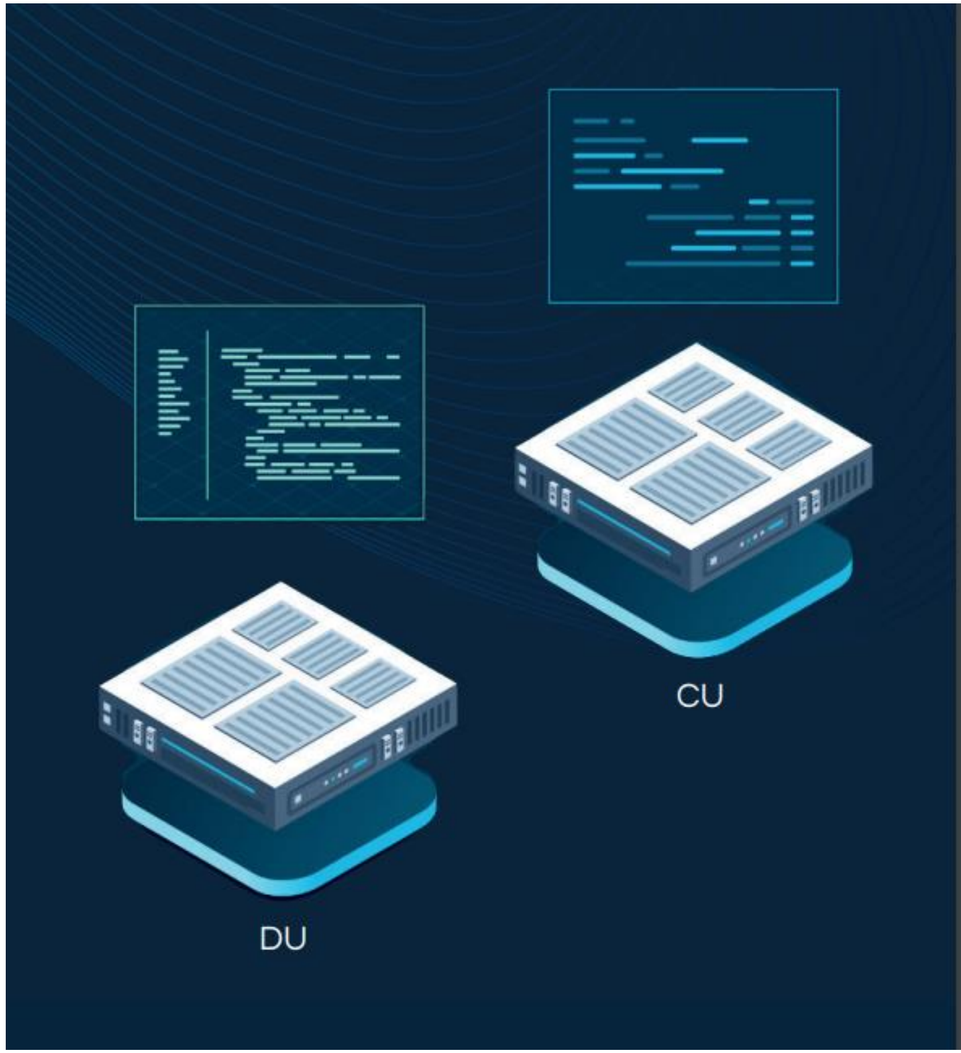


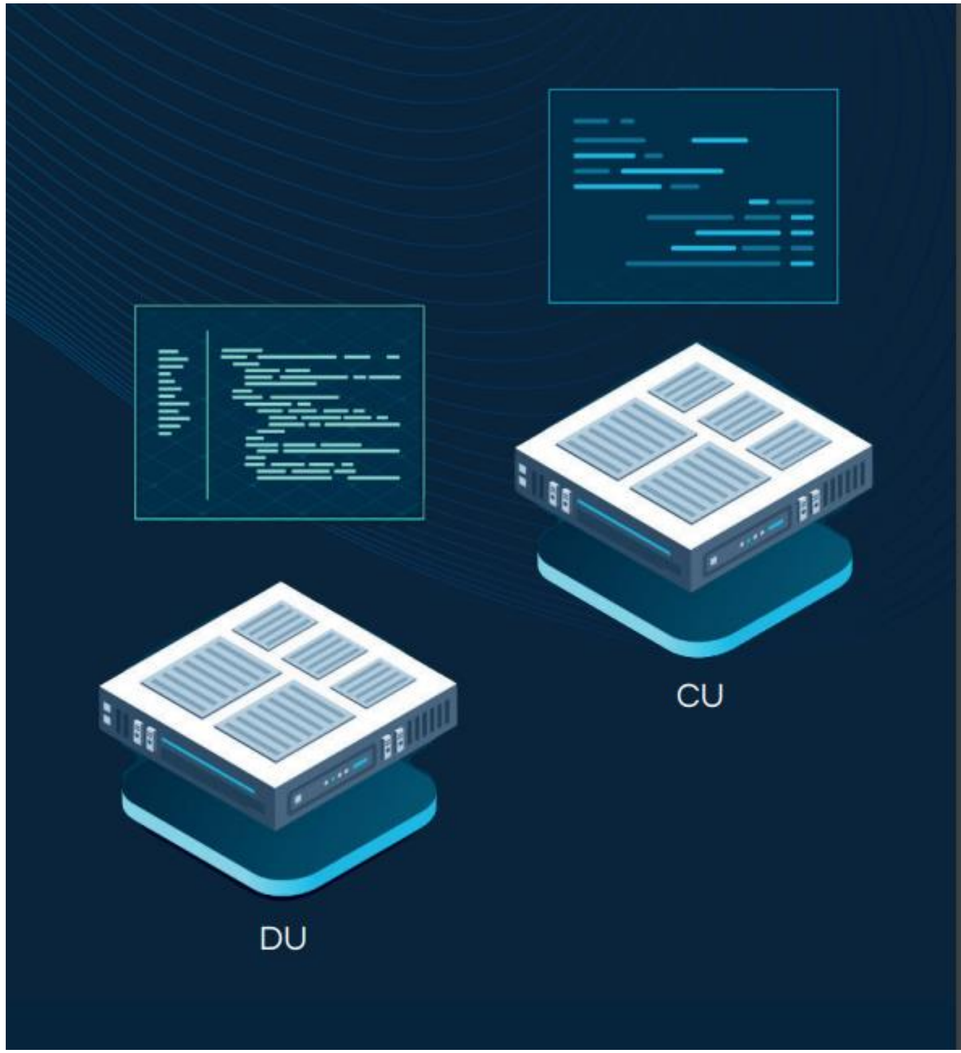
- Complete
- Portable
- Performant
- Open
- Flexible
- Interoperable



srsRAN Enterprise 5G

Integrations

Core Networks	Radio Units	SMO
CAMPUS GENIUS	Benetel	
Druid	mobile Radio Solutions Delivered	highstreet technologies Network solutions
NOKIA	SOLiD	
athonet	SUNWAVE SOLUTIONS	
amarisoft	FUJITSU	neutroon
VIAVI Solutions	LITEON	
KEYSIGHT TECHNOLOGIES	SERCOM	VVDN TECHNOLOGIES
Open5GS	JABIL	AMD
ATTOCORE	FOXCONN	Aelleran
	RAN SEMI Our World. Squared.	ONAP
	Comba	

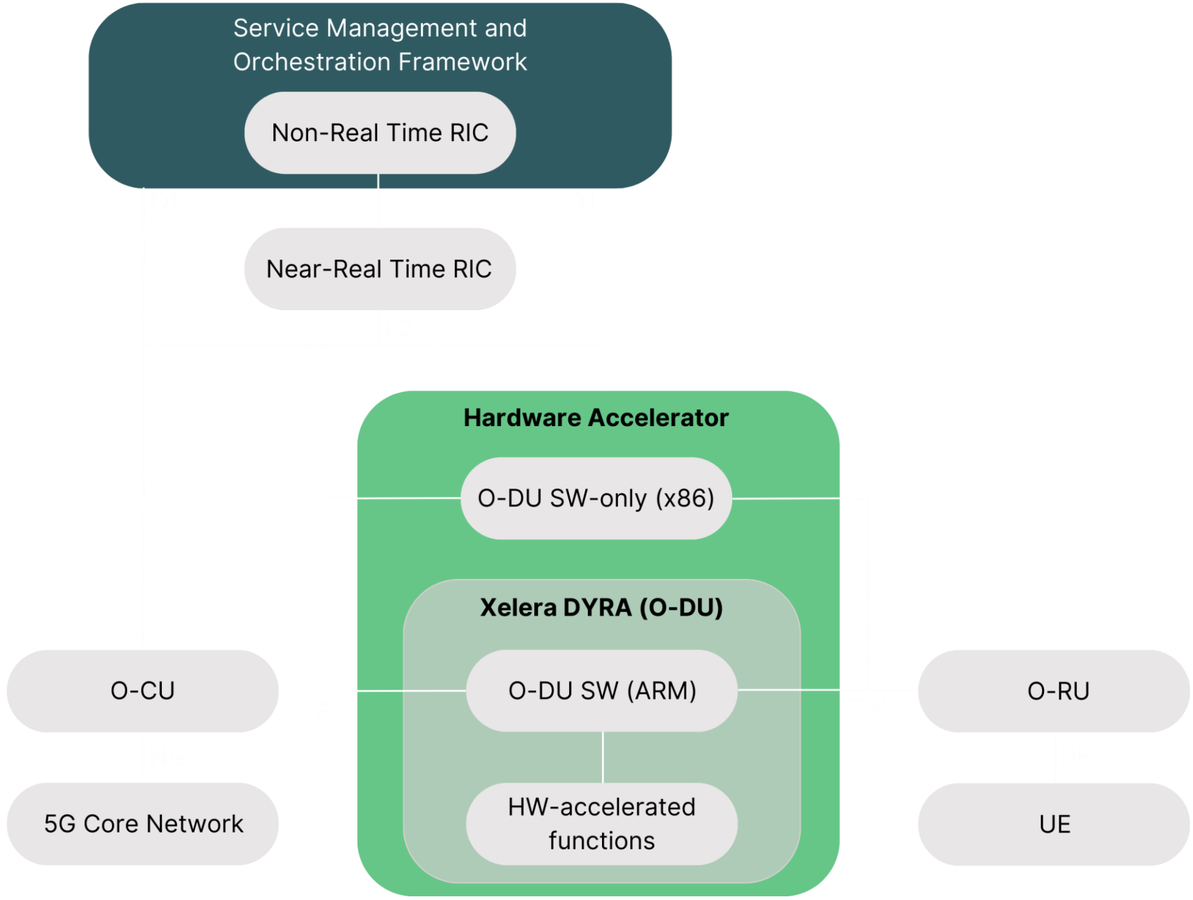


DYRA

Xelera DYRA

Xelera is an Open-RAN compliant Distributed Unit (DU) with hardware acceleration, reducing hardware costs and energy consumption.

This enhances performance, enabling multiple Radio Units (RUs) and hundreds of devices to connect to a single DU.



Key Benefits

XELERA

High Performance: The NXP LA1201 Programmable Baseband Processors boost system performance, enabling the use of multiple RUs and hundreds of devices.

Energy Efficiency: Offloading tasks to the NXP LX2160 Multicore Processors reduces power consumption by up to 50%.

Cost Efficiency: Hardware acceleration reduces hardware requirements, lowering overall system costs.

Flexibility: Full Open-RAN compliance provides flexibility with Split Option 7-2 at Fronthaul and Option 6 (FAPI) or Option 2 (F1) at Midhaul.

Thanks for your interest!