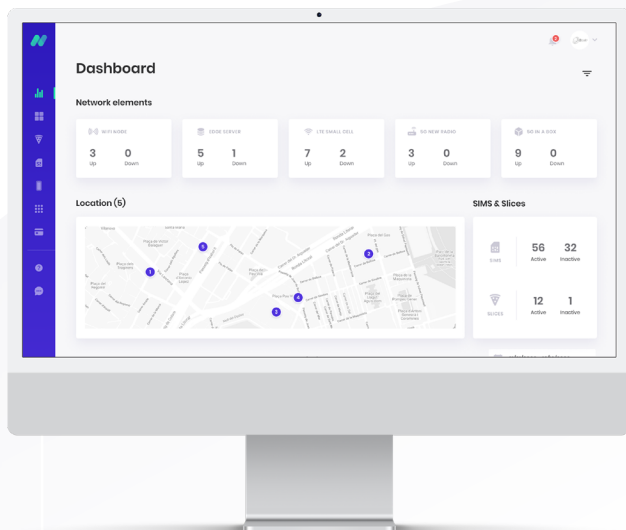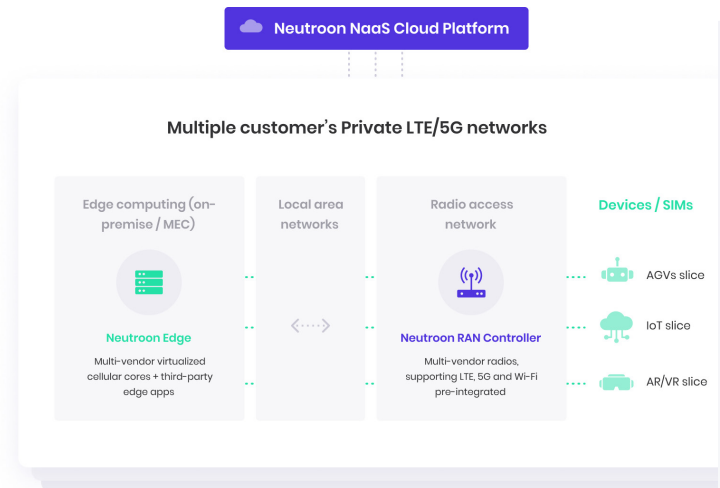neutroon

Neutroon Cloud Platform

Orchestrate and manage multiple multi-vendor Private 5G + Edge networks and edge apps from a single easy-to-use user interface, with unparalleled flexibility. Neutroon makes Private 5G as easy as Wi-Fi

What is Neutroon Cloud Platform?

The Neutroon Network-as-a-Service (NaaS) solution is a cloud-based management and orchestration software that allows your company to control mulitple private 5G networks supporting multiple vendors and technologies including LTE, 5G and Wi-Fi and adjust it based on your company's needs all from one single pane of glass.

The platform provides a single, easy-to-use, and cost-effective management solution for all your private networks independently from the location, the extension, the heterogeneity of technologies and vendors, or the complexity of the deployment. We can boost productivity and lower TCOs by reducing CapEx thanks to the disaggregated nature of the solution that enables the optimization of HW/SW vendor/technology and reduces OpEx due to the simplification of the O&M of the network.
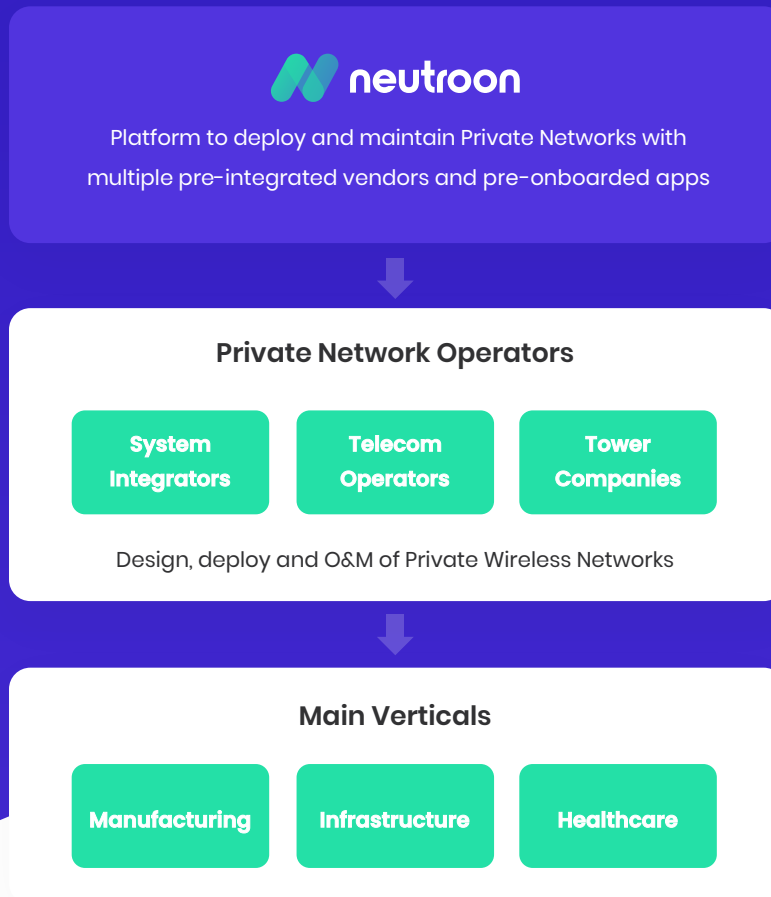

☁ **Neutroon NaaS Cloud Platform**

Multiple customer's Private LTE/5G networks

Edge computing (on-premise / MEC)	Local area networks	Radio access network	Devices / SIMs
Neutroon Edge Multi-vendor virtualized cellular cores + third-party edge apps	‹····›	**Neutroon RAN Controller** Multi-vendor radios, supporting LTE, 5G and Wi-Fi pre-integrated	AGVs slice, IoT slice, AR/VR slice

The growing Neutroon vendor ecosystem benefits our customers' clients by providing a vast pool of vendors and technologies to cover your very specific connectivity needs, and we are open to performing specific integrations that you may require.

The solution transforms pure connectivity into smart connectivity through the Neutroon Hyperslicing™ and an integrated marketplace of edge apps that can be easily deployed.

In addition, Neutroon provides an Admin Portal designed for the Mobile Private Network Operators (MPNOs) plus a Customer Portal that empowers local IT teams to independently manage and reconfigure the network simply and intuitively.

How can Neutroon help Mobile Private Network Operators (MPNOs)?

neutroon

Platform to deploy and maintain Private Networks with multiple pre-integrated vendors and pre-onboarded apps

Private Network Operators

| System Integrators | Telecom Operators | Tower Companies |

Design, deploy and O&M of Private Wireless Networks

Main Verticals

| Manufacturing | Infrastructure | Healthcare |

Value proposition to system Integrators

Accelerate time-to-market
no integrations and no special skills needed in-house to kickstart your MPN business

Operational efficiencies
all-in-one platform to manage all your deployments

Lower TCO networks
alternative/ innovative vendors available and can reduce TCO by 50%. Neutroon adds that extra reliability layer

Differentiated features
like the Neutroon HyperSlicing ™ and the support of hybrid 5G + Wi-Fi networks

Flexibility
multiple vendors under one platform to mix-match and adapt to customer's needs

Why Neutroon Cloud Platform?

Flexible

Neutroon supports multiple RAN technologies and a plethora of vendors across all network domains, configurable and manageable from one single platform to mix-match and adapt to your customer's needs.

Scalable

Our cloud-native platform scales together with the growth of your Private Network business keeping fixed costs down through an as-a-Service business model.

Access to edge apps ecosystem

Neutroon gives access to apps marketplace to simplify the discovery and deployment of advanced use cases to your customers and help them accelerate the ROI of the Private Network.

Neutroon Hyperslicing™

Neutroon provides an easy-to-use user interface for your customers to easily create end-to-end slices with just a few clicks to ensure the best and deterministic service level for your application or use case.

Lower TCO

Neutroon supports multiple innovative vendors in Core and RAN, including Open RAN compliant solutions, providing superior flexibility to eliminate vendor lock-in with incumbents and quickly try and switch to new vendors.

Reliable

Our partners include leading SW and HW vendors that are orchestrated by Neutroon, who provides an additional end-to-end layer of security and reliability to heterogenous and open-RAN solutions.

Our Growing Vendor Ecosystem

Smart Connectivity

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RAN

Accelleran · Airspan · amarisoft · Baicells · node H · BTI WIRELESS

4G/5G Core

Druid · ATHONET · Open5GS

Edge and services

vmware · CTONE · FUJITSU · openstack.

E2E-MPN

ERICSSON

User devices

Milesight · TELTONIKA

How does the Neutroon Cloud Platform Work?

Configure Amarisoft MWC

CONFIGURATION	RADIOS	INTERFACES

| RX Gain	dB
TX Gain	dB
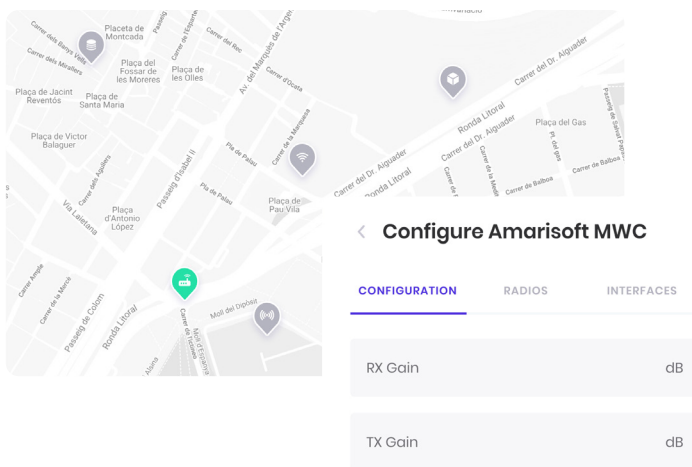
01. Deploy

Deploy and configure end-to-end networks (i.e. core, edge, switches, RAN) for existing or new users. Do everyhting directly in the platform.

+ Add user

USER NAME ⌄	ROLES ⌄	STATUS ⌄	
Melanie Roberts	Full	● Active	⋮
Ursula Gurnmeister	Read-only	● Active	⋮
Fletch Skinner	Read-only	● Active	⋮
Benjamin Evalent	Full		
Penny Tool	Full		

Slice created
Slice 0001 was successfull created.

View slices

02. Setup

Adapt the network to your customer's specific needs creating roles and permissions, deploying Neutroon Hyperslices and edge apps, provisioning new SIMs and adding new UEs.

5G NEW RADIO

3 Up **0** Down

5G IN A BOX

9 Up **0** Down

100% Availability

95% Throughout
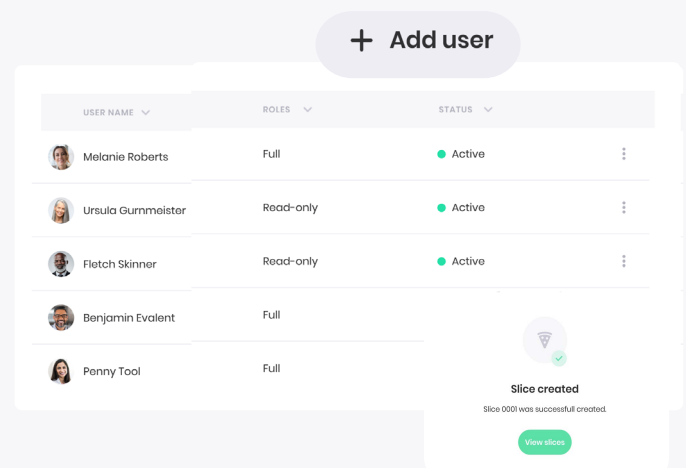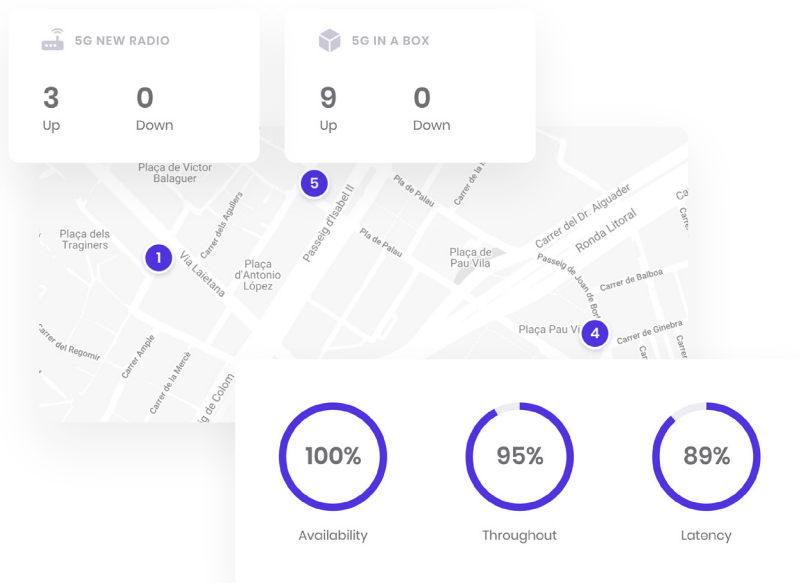
89% Latency

03. Monitor

Enjoy full visibility on network infrastructure status (i.e. servers, VMs, K8s clusters, radios) and network performance KPIs (i.e. availability, throughput, latency). Define and track pre-defined SLAs and setup alarms for each network.

04. Expand

Add new servers, radios, edge apps inside a specific network following simple workflows in the platform. Pay for each new device to make pricing efficient and scalable.

www.neutroon.com