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devicelab

Device Lab as a Service

Bringing advanced device and application testing to your lab

The latest technology
Puts a complete Ericsson 4G and 5G network in your lab

Around the clock
Access 24 hours to a real cellular lab environment

As a Service
Take advantage of our expertise and don't invest in cellular infrastructure.

Ericsson Device Lab aaS

The Ericsson Device Lab as a Service gives you access at your own premises to a state-of-the-art cellular network tailored to 3GPP research, development, verification and certification of all type and form of devices.

Get the latest available feature set and SW releases for your device testing projects, all included in a real 4G and 5G infrastructure environment.

Keep your devices in house, our solutions are tailored to your high security prototyping testing needs.

The content of this document is subject to revision without notice due to continued progress in methodology, design and manufacturing. Ericsson shall have no liability for any error or damage of any kind resulting from the use of this document

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Key features

Test on a real network

Access to the latest technology.

Full support for 4G, 5G, IoT, RedCap, Differentiated Connectivity, eSIM.

Several radio band configurations available. Always with local RAN deployments.

Customizable

Local and Remote solutions.
Network Exposure
APIs for automation
Live support
Expert Consulting Services
Virtual lab configuration

Use Cases

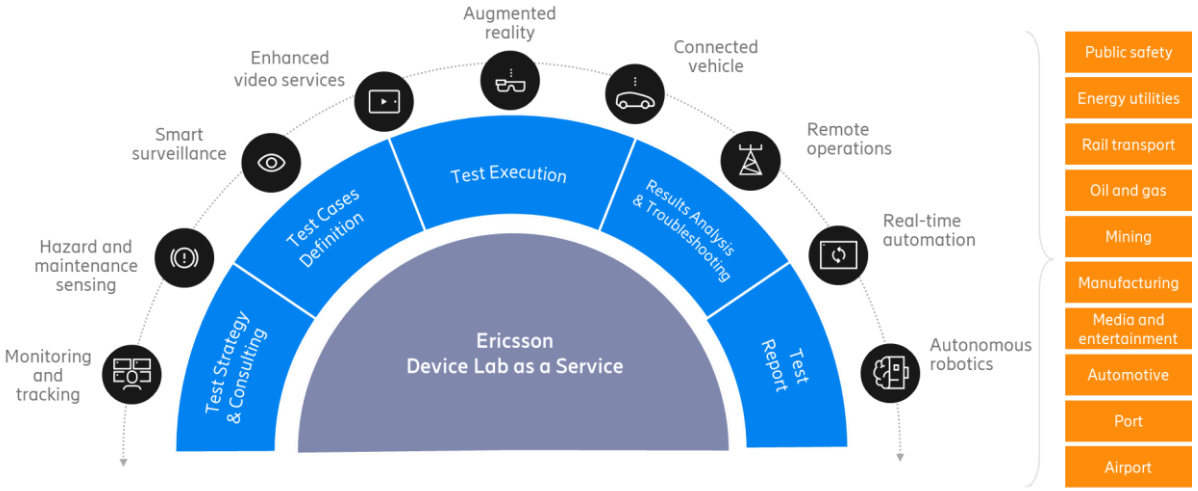
Access to the latest features
4G & 5G Feature testing
Real Use Case validation.
Proof of concept & demos
Device testing
Application Testing
Time critical use cases with edge core

Flexible payment model

Monthly Subscription
Global accessibility
Flexible & scalable

+450

API-calls available for 4G and 5G

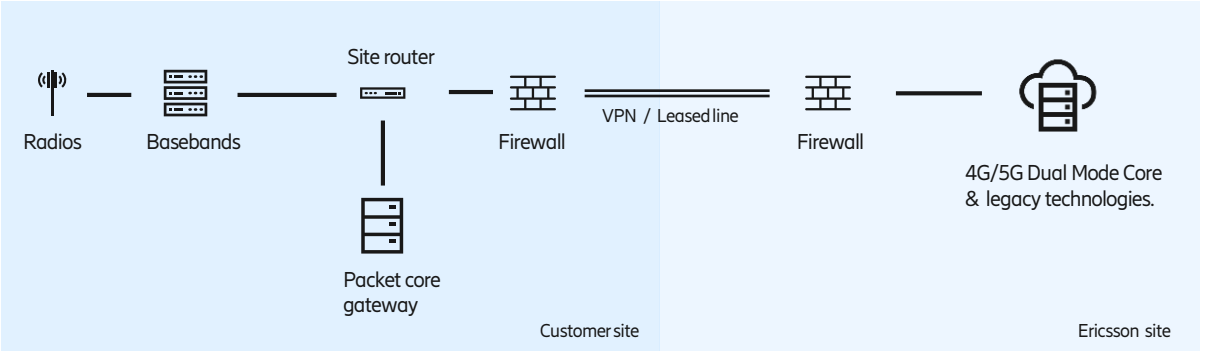


Dedicated setup: RAN and Core Network at your facilities.

An end-to-end network deployed at your lab, all dedicated to your testing needs.

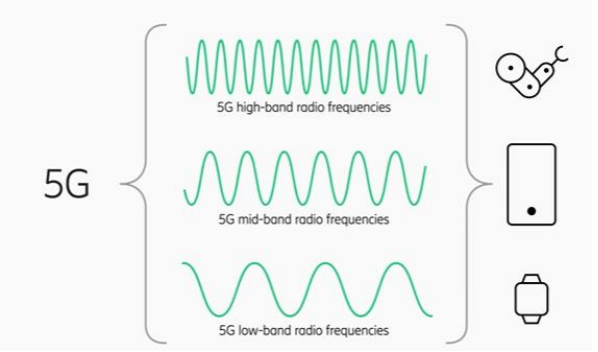
Hybrid setup: Local RAN with edge core connected to a remote core

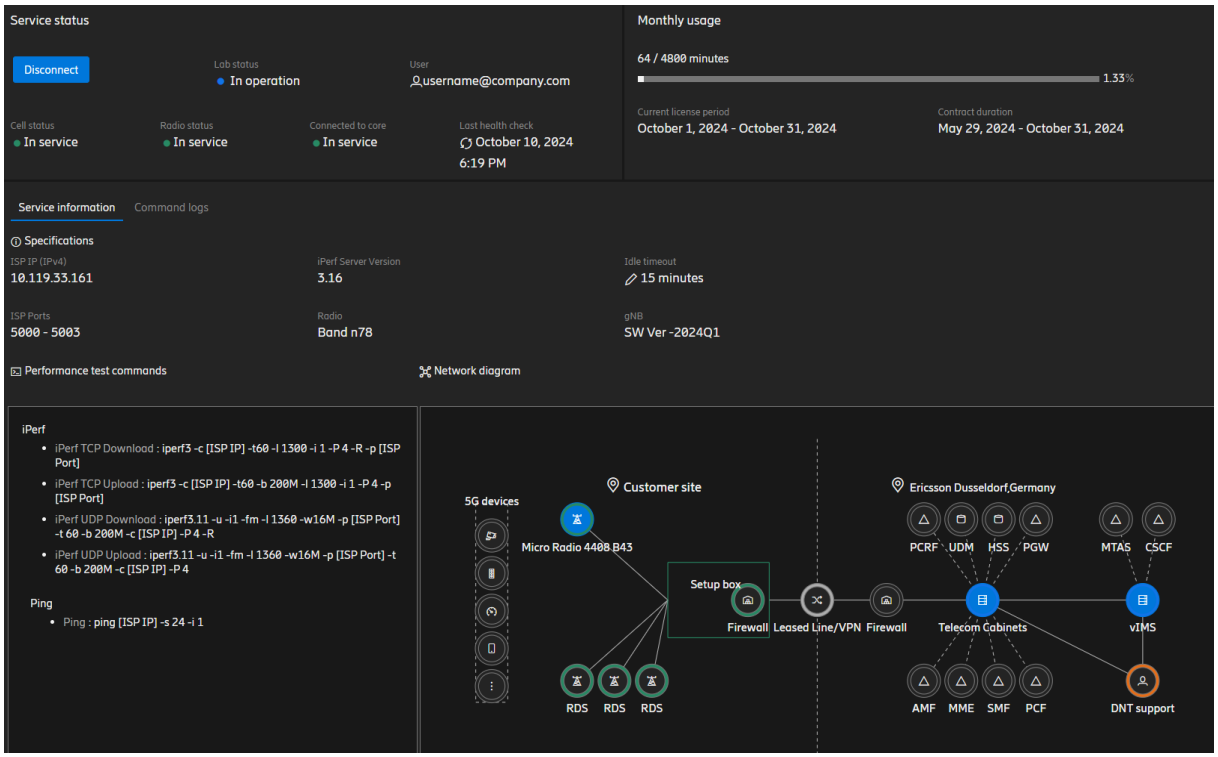
The radio network equipment and User Plane Function (UPF) plus firewall will be located at customer site and exclusively used by the customer. Core network elements (SMF, AMF, UDM, SAPC/PCRF, SMS-Center, IMS etc.) are located at Ericsson facilities in a multitenant environment.



Technical capabilities and features

Cellular technologies: 4G, 5G NSA & 5G SA
Frequency Bands: Low, Mid and High
Dual Connectivity: NR-DC, EN-DC,
Voice services: VoLTE, VoNR, VoWiFi
IoT Connectivity: LTE-CATM, NB-IoT & Redcap.
Location based services: A-GPS, A-GNSS
Public Warning System: WEA 3.0, ETWS.
SMS: SMSoIP, SMSoGS.
Multiple PLMN and multiple APN´s per device

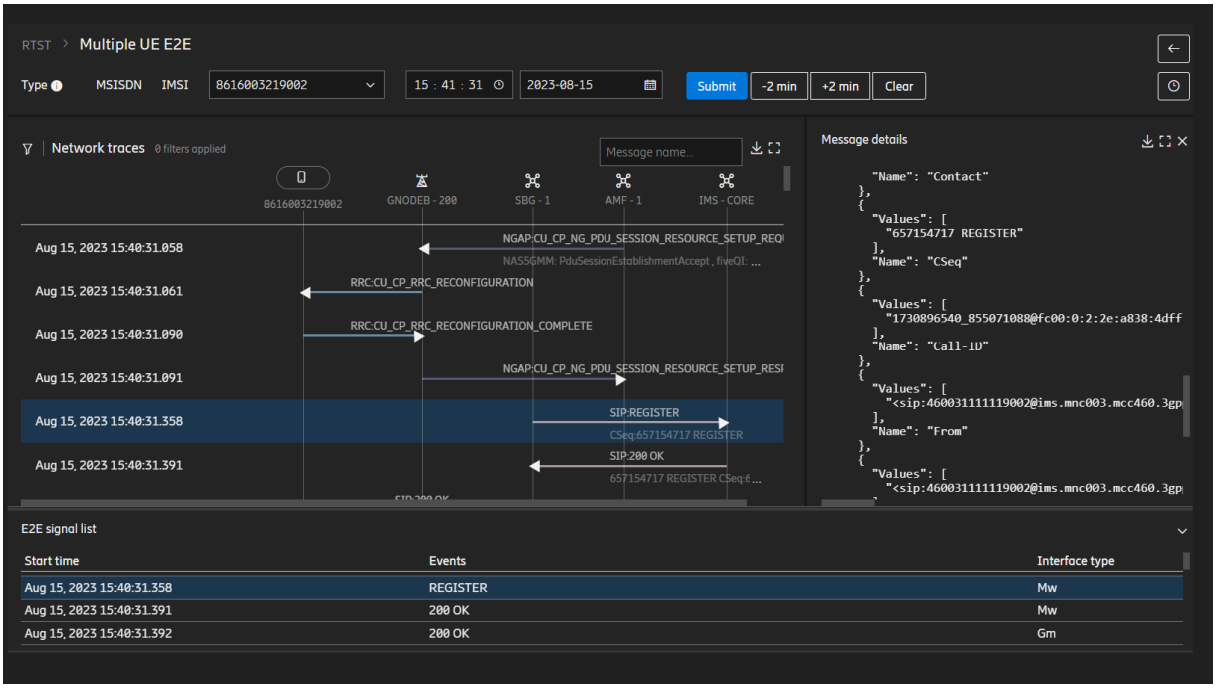




Network Configuration Tool (NCT)

NCT offers a web GUI and RESTful API interface for high degree of automation, offering customers to configure RAN, Core, and other network element parameters. It is a secure tool with each customer having a dedicated NCT. The Web GUI version supports configuration of eNB and gNB, simple parameter commands, complex script commands, and configuration history queries.

- Customizable
- Cost efficient
- User friendly web interface and API interface
- Secure
- Role-based access control
- Supports automation
- +450 API calls available



Real Time Signaling Tracing Tool (RTST)

RTST provides real-time visibility into device-network interactions. Network signaling and interactive messages are displayed on a graphical user interface, enabling testers to identify issues quickly and accurately. This enhances testing efficiency and offers guidance for issue resolution.

- LTE, 5G and IMS
- Full signaling content
- UE real capability query
- Trace history
- Id of abnormal events
- Multiple UE signaling

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