Managed RF Engineering Teams

DEDICATED RF AND RNO ENGINEERS, REMOTE OR ON SITE

A dedicated RF team that works as part of yours

Dedicated RF and RNO engineering benches for operators and vendors, with level-2 remote RAN support, data engineering and quality-checked reporting.

REMOTE RAN SUPPORT
L2

DELIVERY ROLES
7

OR ON SITE
Remote

DRIVE-TEST REPORTING
48h

Your RF team, extended
Dedicated RF and RNO engineers

Level-2 RAN support
Faults, tuning and escalation



One point of contact
A project lead owns delivery

Dedicated RF and RNO bench

Engineers assigned to your network for ongoing optimisation and support.

Level-2 remote RAN support

Fault management, performance tuning and escalation handling for live networks.

Project leadership

A project lead as your single interface, and an offshore lead aligned to your HLD and LLD.

OPERATIONAL CONTEXT

A clearer way to work

Dedicated RF and RNO engineering benches for operators and vendors, with level-2 remote RAN support, data engineering and quality-checked reporting.

01

Scarce RF skills

Experienced RF and RNO engineers are hard to hire for each new contract.

02

Incidents out of hours

RAN faults and performance issues need level-2 handling around the clock.

03

Reporting load

Engineers lose time to log parsing and report building.

THE CHANGE IN DAILY OPERATIONS

Before	With RF Teams
– Hiring for every contract	✓ A ready RF bench
– Faults waiting for experts	✓ Level-2 support on live networks
– Engineers building reports by hand	✓ Automated log parsing
– No single point of contact	✓ A project lead for escalation
– Uneven report quality	✓ QA-checked reports

AN OPERATIONAL SCENARIO

Add an RF team to a live contract

A vendor or operator has won more work than its RF team can carry, and needs experienced engineers who can follow its process from day one.

Faster
Ramp-up than hiring

L2
Incident handling

One
Escalation point

Checked
Reports on schedule

CAPABILITIES 1

The capabilities that do the work

Explore the core functions of Managed RF Engineering Teams and the operational tasks they support.

01

Dedicated RF and RNO bench

Engineers assigned to your network for ongoing optimisation and support.

02

Level-2 remote RAN support

Fault management, performance tuning and escalation handling for live networks.

03

Project leadership

A project lead as your single interface, and an offshore lead aligned to your HLD and LLD.

04

Data engineering

Automation, log parsing and database management that speed up every report.

05

QA and reporting

Report quality checks, insight validation and a delivery schedule you can plan around.

06

Remote or on site

Delivery from Pakistan with field presence where the work needs it.

DESIGNED AROUND THE USERS

Mobile operators Extra RF capacity without hiring.

Network vendors Engineering benches for managed contracts.

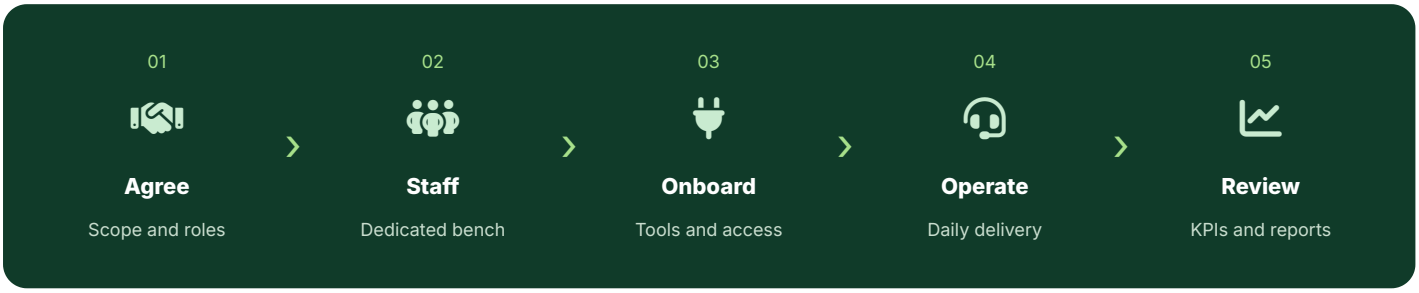
International carriers Remote level-2 RAN support.

RF managers A team that follows your process.

WORKFLOW

From the first step to the outcome

A connected sequence makes the handoffs and responsibilities easier to follow.



01

Scope

We agree the network, the roles and the service levels with you.

02

Staff

A bench is assigned, led by a project lead who is your escalation point.

03

Connect

Engineers onboard to your tools, access rules and reporting formats.

04

Deliver

Daily optimisation, support and drive-test analysis run to plan.

05

Review

Regular KPI reviews keep the team focused on your priorities.

A PRACTICAL WALKTHROUGH

Add an RF team to a live contract

A vendor or operator has won more work than its RF team can carry, and needs experienced engineers who can follow its process from day one.

Agree the roles, tools, access rules and reporting formats, then name the project lead who will be your single point of escalation.

ARCHITECTURE & HANDOFFS

A team with one point of contact

The bench is organised around a project lead, so you always know who owns delivery and escalation.



Conceptual product flow · Managed RF Engineering Teams

01

The project lead is your interface and escalation gateway.

02

RF and drive-test analysts deliver the daily work.

03

Data engineering and QA keep reports fast and checked.

DISCUSS YOUR ENVIRONMENT

Confirm the source systems, responsibilities and integration boundaries during the walkthrough. The diagram explains the product concept; the deployment scope is agreed for your environment.

TRACK RECORD

Work we have delivered

Named programmes where Exceleron Communications has delivered managed rf engineering teams.

01 4G level-2 remote RAN support for Axtel, Mexico: fault management, performance tuning and escalation handling.

02 Dedicated RF and RNO teams for Nokia, Ericsson and ZTE programmes.

L2	7	Remote	48h
Remote RAN support	Delivery roles	Or on site	Drive-test reporting

TECHNOLOGY 1

Understand the connected pieces

Formats, protocols and tools in the product scope, with plain-language explanations for technical and business readers.

LTE
4G mobile network technology.

NetAct
Nokia network management system for operating and monitoring the radio network.

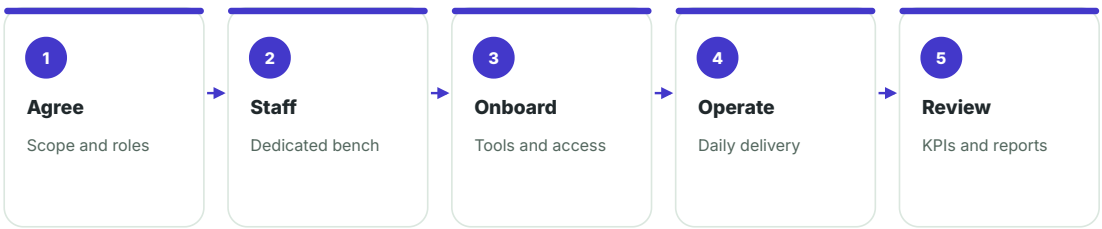
Power BI
Microsoft dashboard tool for sharing live KPI reports.

Python
Programming language used to automate log parsing and PDF reports.

TEMS Discovery
Infovista post-processing software for analysing drive-test logs.

NEMO Analyzer
Keysight software for decoding and analysing drive-test measurements.

THE RF TEAMS OPERATING FLOW



INTEGRATION PLANNING

Agree the source systems, supported versions, data ownership and access requirements during discovery. Validate the relevant interfaces against your environment before production rollout.

SPECIFICATIONS 1

The scope in detail

Use these product details as the starting point for a technical discussion.

Area	Product scope
Project Manager	Leads the programme, with the project lead reporting in
Project Lead	Customer interface and escalation gateway
Offshore Project Lead	HLD and LLD alignment and day-to-day delivery
Senior RF Analyst	Complex cases, parameter tuning and sign-off
Drive Test Analyst	Log ingestion, post-processing and KPI reporting

SPECIFICATIONS 2

The scope in detail

Use these product details as the starting point for a technical discussion.

Area	Product scope
Data Engineer	Automation, log parsing and database management
QA and Reporting Lead	Report quality, insight validation and delivery schedule

ASSURANCE & NEXT STEPS

Prepare for a successful rollout

Match the product scope to your people, systems and operating requirements.

PRODUCT ASSURANCE

- **Single point of contact**
- **Defined roles and escalation**
- **QA on every report**
- **Works in your tools and templates**

PLAN THE ENGAGEMENT

01

Discover

Review your current process, source systems, users and constraints. Identify the operational problem the first phase should solve.

02

Demonstrate

Agree the roles, tools, access rules and reporting formats, then name the project lead who will be your single point of escalation.

03

Validate

Agree the applicable product scope, access controls, integration checks and acceptance criteria. Confirm deployment and support responsibilities.

04

Handover

Plan user guidance, operational ownership and support contacts. Confirm the reporting cadence and review process for the agreed scope.

START A CONVERSATION

Explore RF Teams with our team.

Bring your operational scenario. We will walk through the relevant workflow and discuss a suitable scope.

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