

coRAN LABS



SATORI
SOLUTIONS

RANPilot rAPP



AI-Powered RANPilot rAPP

RANPilot is an intelligent rAPP that transforms complex RAN KPI data into instant, actionable insights using natural language.

The Problem

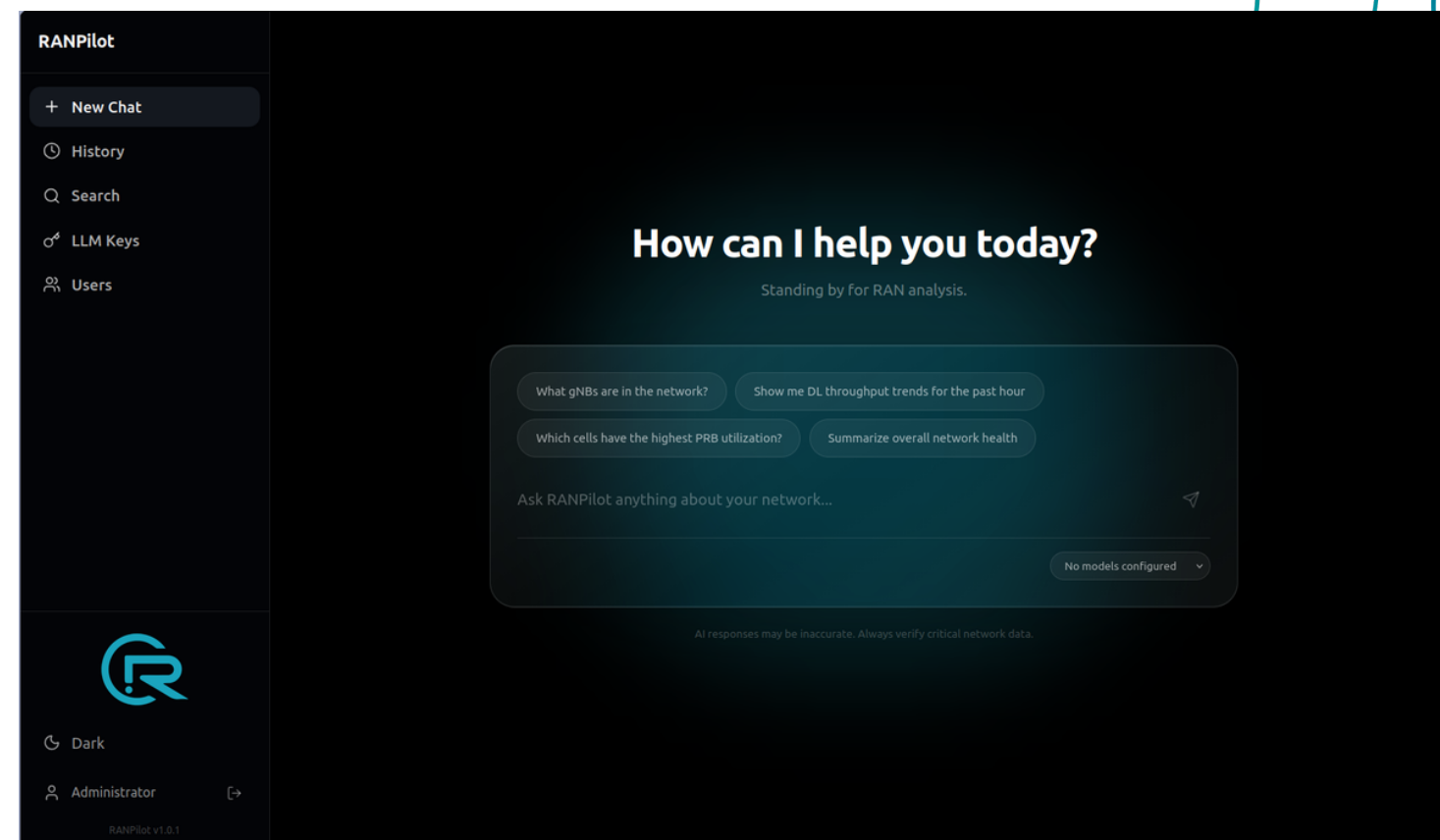
Modern RAN networks generate massive volumes of KPI data, but:

- Insights are buried in dashboards
- Troubleshooting takes hours
- Requires deep domain expertise

The RANPilot Approach

RANPilot introduces a conversational intelligence layer on top of your network:

- Ask questions in natural language
- Automatically fetch relevant KPIs
- Analyze and correlate data
- Present results in human-friendly format



Key Features

Natural Language Interface

Interact with your network like never before:

“Show latency trend for last 6 hours”
“Which cells are underperforming?”
“Why did throughput drop?”

Multi-LLM Support

RANPilot features a modular AI layer that supports both third-party and on-premise LLMs, enabling operators to choose between performance, control, and data sovereignty without changing the core system.

Explainable Insights

Detects anomalies in KPI behavior

Correlates multiple KPIs
Provides clear, structured explanations

Intelligent Visualizations

RANPilot automatically generates:

Time-series graphs (trends)
Comparison charts (regions, cells)
Tables (ranked insights)



While the industry rebuilds the RAN stack for AI, RANPilot enables LLM-powered intelligence instantly on top of your existing network, with zero changes.

The **Ericsson Intelligent Automation Platform (EIAP)** provides Service Management and Orchestration (SMO) for Open RAN and further enhances openness, network management, and automation by supporting multi-vendor and multi-technology RAN environments.

EIAP is supported by open interfaces and the industry's leading Software Development Kit (SDK) to enable an ecosystem of developers with all the capabilities needed to innovate, build, validate, share and operate rApps.



New Conversation Gemma 27B (Local)

Which cells have the highest PRB utilization?

PRB Utilization Analysis

Based on the latest data, several cells are experiencing severe congestion with **100% Downlink PRB Utilization**. This indicates that all available radio resources are fully consumed, which likely leads to degraded user experience, lower throughput, and increased latency.

Highly Congested Cells (100% DL PRB Utilization):

- LTE01dg2ERBS00002 (NRCellDU=1)
- LTE01dg2ERBS00004 (NRCellDU=1)
- LTE01dg2ERBS00005 (NRCellDU=1)
- LTE01dg2ERBS00013 (NRCellDU=1)
- LTE01dg2ERBS00015 (NRCellDU=1)
- LTE01dg2ERBS00017 (NRCellDU=1)
- LTE01dg2ERBS00019 (NRCellDU=1)
- LTE01dg2ERBS00021 (NRCellDU=1)
- LTE01dg2ERBS00025 (NRCellDU=1)

Moderately High Utilization Cells:

- LTE01dg2ERBS00014: 67.1%
- LTE01dg2ERBS00022: 66.4%
- LTE01dg2ERBS00006: 65.5%
- LTE01dg2ERBS00003: 64.9%
- LTE01dg2ERBS00018: 64.9%

Recommendations:

Investigate the active UE count and traffic volume on the 100% utilized cells to

Ask RANPilot anything about your network...