



# FYRA Suite rApp

Solution brief

Available on Ericsson Intelligent Automation Platform

# FYRA Suite rApp

FYRA Suite enhances operational efficiency by visualizing base stations and offering explanatory support through AI chatbots. Real-time visualization and AI analysis reduce costs and boost performance, while future advancements in automatic network control are set to further enhance operational quality. This innovation is poised a new standard in telecom maintenance.

The O-RAN concept provides numerous benefits, but its maintenance and operation demand expertise in interpreting extensive specifications and analyzing network conditions. This challenge necessitates significant human resources. Addressing this challenge necessitates advancements in technology and efficient resource management.

## Benefits

FYRA Suite leverages cutting-edge technologies to revolutionize network maintenance and operations. It offers advanced RAN data visualization, AI-driven predictive analytics, and language-enabled configuration changes. Real-time RAN data visualization allows users to instantly grasp the network's state and make swift decisions. Predictive analytics with AI/ML forecast traffic patterns and provide insights to prevent issues before they arise,

significantly enhancing network reliability and efficiency. The AI chatbot simplifies access to complex O-RAN ALLIANCE specifications, saving time and make effort. It assists traditional RAN operators in efficiency managing O-RAN environments, complementing their expertise in vRAN operations, and facilitating a seamless transition to the next generation of mobile communications. Additionally, FYRA Suite enables language-based verification and modification of RAN settings, reducing the risk of misconfiguration and contributing to network optimization. With these features, FYRA Suite simplifies and streamlines network maintenance and operations, supporting business growth and development. Uses can leverage these advanced capabilities to reduce the burden of network management, improve operational quality, and drive efficiency.

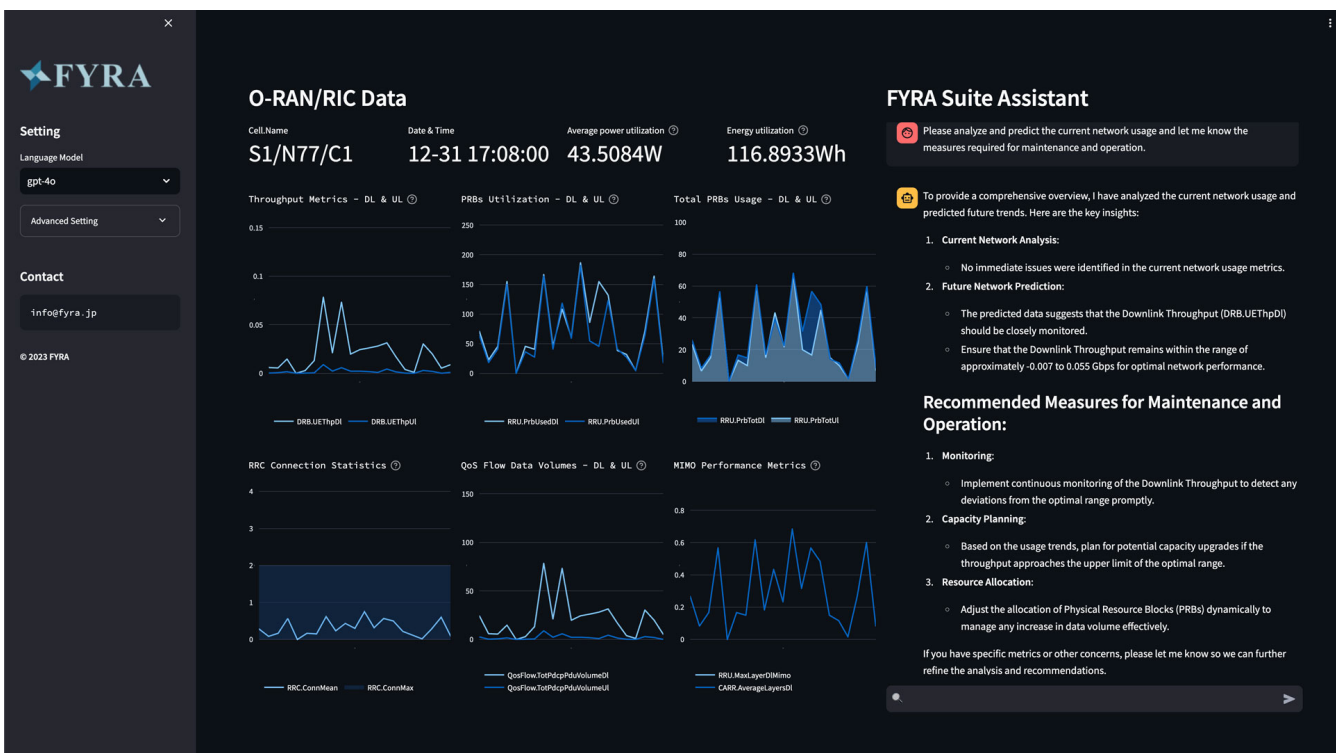
The Ericsson Intelligent Automation Platform (EIAP) provides Service Management and Orchestration (SMO) for Open RAN and further enhances openness, network management, and automation by supporting multi-vendor and multi-technology RAN environments.

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.



# Our solution

FYRA Suite's AI chatbot aids in maintaining and operating wireless base stations, enhancing communication quality and reducing human resource needs by streamlining maintenance operations. This makes a significant step towards shaping the future of 5G.



FYRA Suite addresses maintenance and operations issues through the following enhancements:

- **Real-time isualization** : FYRA Suite offers real-time graphical and intuitive dashboard visualization of RAN data captured via rApp. This allows users to instantly understand network performance and make quick decisions as needed.

- **Advanced Analytics** : Leveraging AI/ML technology, FYRA Suite predicts network traffic trends and provides verbal explanations of the analysis, enhancing operator understanding and improving operational efficiency.

- **vRAN Expertise Support** : AI chatbots complement vRAN operational expertise, aiding traditional RAN operators managing O-RAN environments and supporting a seamless transition to next-generation mobile communications.

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- **O-RAN Specifications Simplified** : AI chatbots are well-versed in O-RAN ALLIANCE Specifications and can instantly and explain the relevant details to users in an easy-to-understand manner. This eliminates the need for time-consuming analysis of complex documents.

- **Intelligent RAN Settings Management** : FYRA Suite enables easy review and modification of RAN settings through verbal commands to AI chatbots. This allows for faster and more accurate adjustments, contributing to network optimization.

With these features, FYRA Suite simplifies network maintenance and operations, addressing many challenges faced by users. These advanced features not only provide a deeper understanding of network status but also serve as a powerful tool for improving operational quality.

## Key benefits

### FYRA Suite Assistant



Please briefly describe the key benefits of FYRA Suite



FYRA Suite offers several key benefits for maintaining and operating 5G networks, including:

1. **Predictive Analysis:** Utilizes AI models to predict future network conditions, helping in proactive maintenance and capacity planning.
2. **Comprehensive Data Analysis:** Analyzes network data to provide insights into performance metrics, enabling optimization of resources.
3. **RAG Search Capabilities:** Facilitates quick access to O-RAN and 5G specifications, assisting in troubleshooting and ensuring compliance with industry standards.
4. **Enhanced Resource Utilization:** Monitors and optimizes the use of physical resource blocks (PRBs) and energy, improving overall network efficiency.
5. **User-Friendly Interface:** Offers a multilingual concierge service to assist users in various languages, enhancing user experience and support.

These benefits collectively help in maintaining a robust, efficient, and high-performing 5G network.

## Key benefits

- **Efficient Network Management:** FYRA Suite's advanced visualization capabilities provide network administrators with real-time insights into network performance, enabling quicker responses to issues and minimizing downtime.
- **Predictive Analytics:** Utilizing AI/ML technology, FYRA Suite forecasts future traffic patterns and potential problems, allowing for proactive maintenance and enhanced network reliability.
- **Easy Access to Specifications:** FYRA Suite offers instant information on O-RAN ALLIANCE Specifications, saving users time deciphering complex documents and enabling them to focus on critical tasks.
- **Seamless Transition to vRAN** : The shift to vRAN poses challenges for traditional RAN operators due to the need for new skills and understanding of specifications. FYRA Suite's AI chatbots complement operators' expertise, ensuring a smooth transition and enhancing competitiveness.
- **Verbal Configuration Changes:** FYRA Suite's AI chatbot allows users to review and modify RAN settings verbally, reducing configuration errors and optimizing the network.

These benefits FYRA Suite as essential for streaming network maintenance and improving operational quality. Users can leverage these features to reduce network management burdens and support business growth and development.

FYRA Corporation develops the FYRA Suite, a premier solution for optimizing wireless communication base station management. Our primary business activities encompass Wireless Communication Base Station Maintenance and Operation Efficiency Services as well as AI Technology Consulting and Development Support, including Generative AI and Large Language Models (LLMs). Our comprehensive services are designed to enhance operational efficiency and leverage advanced AI technologies for our clients. Through our innovative solutions, we are committed to delivering enhanced connectivity alongside cutting-edge AI capabilities to our global clientele.