RAN Services

RAN Services delivered as packaged solutions; a powerful combination of tools, methodology, people and global best practices.

When a service provider's operational expenses are under scrutiny, increasing permanent headcount can be difficult. External consulting services may be the best path forward. They can reduce time to market for a new technology, add capacity over a short duration when hiring permanent staff would be impractical, and introduce your team to best practices from around the world.

TEOCO's Radio Access Network (RAN) Services provide you with a cost-effective team of experts, along with our proven network-enhancing solutions. Our record of success is based upon several key factors; unbiased independent advice, access to our extensive portfolio of tools, global experience, and the fact we recognize the unique aspects of each network. Our RAN Services help ensure each of our customers can stay ahead in a highly competitive marketplace; enhancing their network, maximizing ROI and delivering real value to their customers.

TEOCO offers a broad portfolio of tools-driven services, spanning network audit, planning and optimization, and day-to-day operations.

With hundreds of planning, optimization and refarming projects delivered within the past 5 years, along with a number of fully managed service engagements, our RAN Services team has a proven track record of delivering successful projects and providing measurable value to our customers. Our comprehensive portfolio of planning, optimization, configuration, geo-analytics and service assurance tools assist us in delivering high quality, vendor-independent consultancy services.

"TEOCO's consultancy services business represents a competitive strength as operators look to contract out many complex aspects of multi-technology network operations and planning." – Analysys Mason

We offer a broad portfolio of tools-driven services, spanning network audit, planning and optimization, and day-to-day operations. Our extensive multi-vendor experience allows us to share best practices from market leaders around the globe, and our offshore capabilities help ensure our deliveries are timely and cost-effective.

Planning and Evolution

Introducing 5G and other new technologies, meeting capacity requirements and deploying services such as VoLTE, all require careful planning. A poorly designed network can lead to costly performance issues that siphon away valuable time and resources in efforts to find a fix - often without success. The initial design stage can also have a big and lasting impact on network costs. An inefficient design can significantly increase CAPEX for no additional performance gains.

By outsourcing the planning process to TEOCO, you benefit from a comprehensive set of planning tools designed to address all technologies and network layers. All complemented by our dedicated team of vendor-independent experts, who bring decades of network planning know-how to your project.

Optimization and Capacity

One of the primary reasons for subscriber churn is poor quality of experience. As networks expand and traffic increases, performance typically degrades. To keep this from happening, networks need to be optimized in order to boost performance, returning it back to its previous levels. Additionally, customer behavior changes over time, shifting traffic within the network. This traffic needs to be re-balanced to level utilization across the network which helps to delay CAPEX spending on new equipment.

By outsourcing network optimization and capacity planning to TEOCO, you benefit from a proven software solution that addresses all network technologies and layers, as well as from our dedicated team of vendor-independent experts. Services include proactive cluster optimization, new feature activation and ROI based capacity expansion planning.
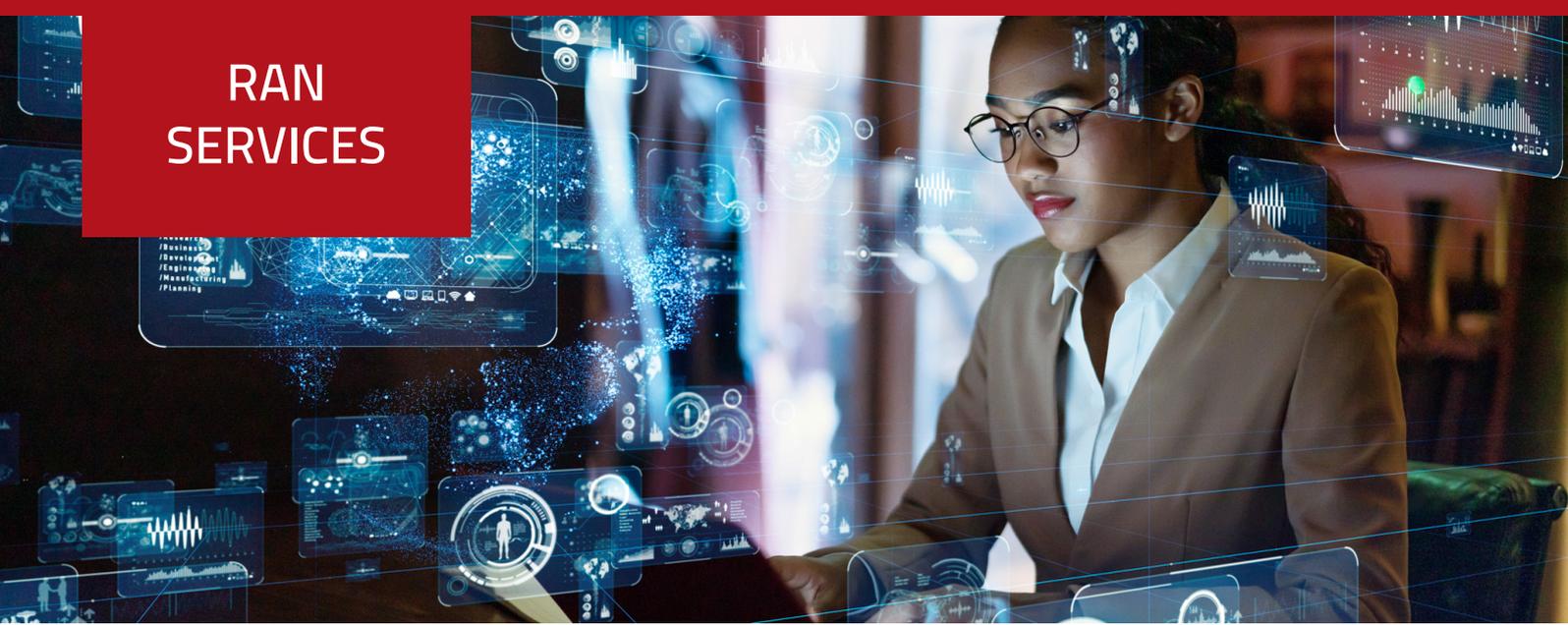
Audit and Operations

Running a network requires thousands of tweaks on a daily basis to ensure it continues to run at peak performance and deliver the quality of service your subscribers expect. All this tweaking invariably leads to unintended errors being introduced to the network. Periodic audits help to identify issues and provide recommended resolutions to ensure your network is configured and performing as expected. Additionally, as your network evolves and grows, performance benchmarking can be a useful tool to identify where your network is superior to your competitors and where improvements are needed.

Finally, running a network is a resource-intensive exercise. At TEOCO, we provide several operational services to reduce the workload placed on your engineers by managing pieces of your daily operations, including subscriber and network analytics, customer complaint root cause analysis and vendor management. By outsourcing your audit and operations tasks to TEOCO, you benefit from our complete solution, designed for all network technologies and layers, as well as from our dedicated team of vendor-independent experts.

Spectrum Refarming

Wireless spectrum is expensive, yet without a sufficient supply, new technologies such as LTE and 5G cannot be deployed. In many cases, as customers adopt newer technologies and networks are upgraded, the older networks still exist but often become under-utilized. This means it is feasible to refarm spectrum from older networks without degrading their performance. The newly released spectrum can then be allocated to the new network, which costs significantly less than buying new spectrum at auction. But freeing up unused spectrum is not as simple as it sounds.

Operators don't typically have the frequency planning specialists required to undertake a refarming project. Over the past three years, TEOCO's dedicated team of experts have had a 100% success rate across more than 50 projects; refarming spectrum while also often improving the performance of carriers' legacy networks.

Managed Services

TEOCO's team of telecom experts have been providing cutting-edge solutions and consulting services to communication service providers since 1995.

Leveraging this experience, we provide operators with a full suite of managed services, undertaking all aspects of network planning and optimization. Typical engagements are long-term and cover all strategic and operational aspects of network planning, optimization, capacity expansion, spectrum refarming, performance management and customer experience management - delivered by our engineers with support from our extensive portfolio of software tools.

TEOCO's Managed Services bring experienced consultants and proven solutions to your network while reducing overall costs. Our success is based on several key factors; unbiased independent advice, our extensive portfolio of software tools, global experience, local viewpoints, and the fact we recognize the unique aspects of each network. Our aim is to enhance your network and maximize return on investment, allowing you to focus on maintaining market leadership and delivering real value for your customers.

TEOCO is a leading provider of analytics, assurance and optimization solutions to over 300 communication service providers (CSPs) worldwide.

Our solutions enable the digital transformation of CSPs while enhancing their network QoS, improving their customer experience and reducing their operational costs.

Through advanced analytics, TEOCO products provide actionable and measurable insights into network and customer behavior. This includes the optimization, effective monetization, and delivery of new and existing services, such as 5G.

Our commitment to network flexibility and agility makes TEOCO the obvious choice for CSPs looking to maximize the revenue potential of 5G investments and capitalize on new opportunities tied to the emerging Internet of Things (IoT).

Global Footprint

Extensive Portfolio

Proven Solutions

"TEOCO's market leading position in Engineering Systems reflects the success of its extensive network planning and optimization solution set, built by some very cohesive acquisitions and integrated effectively to form a leading portfolio"

- Analysys Mason