Use Case:

Strategic Capacity Management

for Long-Term Network Success

Problem Statement:

Operators often face challenges in accurately managing network capacity, leading to either overprovisioning or underutilization of resources.

This imbalance results in inefficient cost management, delayed responses to capacity demands, and missed opportunities to optimize network performance. Furthermore, poorly planned network investments can lead to wasted CAPEX and hinder the long-term scalability of the network.

Solution Overview:

TechNarts' capacity management solution addresses these challenges by providing real-time insights into network capacity and utilization.

- **Real-Time Monitoring & Insights:** Continuously monitors and assesses resource usage, ensuring optimal allocation, preventing underutilization, and enabling smarter decision-making for future capacity needs.
- **Efficient Capacity Planning:** Actively monitors idle resources, identifies underused areas, and anticipates potential capacity bottlenecks by recommending resource allocation strategies.
- **Campaign Feasibility Assessment:** Enables region-based capacity pre-analyses to pinpoint when and where to invest for maximum impact.
- **Priority-Based Action:** Prioritizes capacity challenges by severity and customer impact, enabling quick action on issues that may affect service quality.
- **CAPEX Management:** Provides visibility into current capacity and reduces redundant investments, driving faster ROI and contributing to long-term, sustainable growth.

About TechNarts

TechNarts is a leading **OSS provider** with deep expertise in telecom software **since 2007**. Through its **NART OSS Suite** product family, it delivers modular, future-proof solutions for **Resource Management, Network Assurance and Network Fulfillment & Orchestration**. Its systems align with **TM Forum's ODA and Open APIs**, helping operators boost service reliability, optimize resources, and accelerate digital transformation.

Result:

The solution empowered operators to optimize network performance, reduce unnecessary costs, and prepare for future demands while maintaining superior service levels.

- **Up to 7% investment cost reduction,** through effective capacity planning, optimizing resource allocation and eliminating redundant investments.
- **Accurate Reporting: 100% accuracy and consistency** in automated capacity reports, ensuring reliable data for informed decision-making.
- **High Customer Satisfaction: 99% acquired customer satisfaction** on network performance by assessing regional traffic and capacity feasibility during campaign planning.