

REALIZE THE POWER OF INTELLIGENT CAPACITY MANAGEMENT

CSPs are under tremendous pressure to make the right investment decisions to keep pace with continually evolving technology advancements and ever-demanding customers.



Intelligent capacity management is the best way to reap expected returns from LTE-advanced, 5G, IoT, and other nascent network technologies. With intense competition and ever-increasing Capex intensity, CSPs require a superior capacity management solution to equip them with:

- Intelligent network investment plans
- End-to-end predictive capacity analytics
- Proactive customer experience analytics
- Capital and operational cost optimization

Built on advanced analytics models coupled with strong telecom domain expertise, Subex's Capacity Management helps CSPs optimize their network to provide the best customer experience. The solution leverages proprietary machine learning-based models that can be applied across any network domain, vendor, or technology.



CAPACITY MANAGEMENT FEATURES



Network Investment Planning

CSPs need accurate, timely, and intelligent network investment decisions to ensure Capex is spent optimally and yields maximum ROI.

Network Investment Planning leverages intelligent data management and domain-driven data science capabilities to:

- Accurately forecast network growth for capacity enhancement, optimization, and augmentation
- Specify when, where and with what to invest in a multi-vendor and multi-technology ecosystem
- Drive prioritized network investment decisions from technical, financial and customer experience metrics
- Run what-if simulations to accommodate the unknown and unforeseen in any business plan



Smart Capacity Analytics

In a multi-vendor and multi-technology network, stakeholders need to take action to augment the capacity and improve the quality of the network. What CSPs need today is a centralized feature to get insights into the impact of such changes on network capacity, run configuration consistency checks concerning baseline value, and drive acceptance process for new service and technology planning.

Smart Capacity Analytics automates network capacity optimization expertise and leverages

various machine learning techniques to bring significant enhancement in operational efficiency. It equips CSPs to:

- Derive insights into the current state of network elements and perform root cause analysis of worst offenders
- Drive end-to-end capacity performance improvement
- Seamlessly manage the performance acceptance process in a multi-vendor ecosystem



Customer Experience Analytics

CSPs are continually challenged to meet the ever-rising expectations of their customers. Customer Experience Analytics is an end-to-end Quality-of-Experience (QoE) analytics solution that embraces this challenge. It leverages advanced statistical and machine learning models coupled with strong visualization capabilities, enabling CSPs to:

- Proactively identify network bottlenecks and issues impacting QoE
- Troubleshoot issues from a holistic perspective
- Understand the impact of the network on High-Value Customers (HVCs)
- Identify critical hotspots for capacity augmentation
- Derive critical insights in the form of geo-analytical dashboards depicting mobile device data correlated with network performance

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