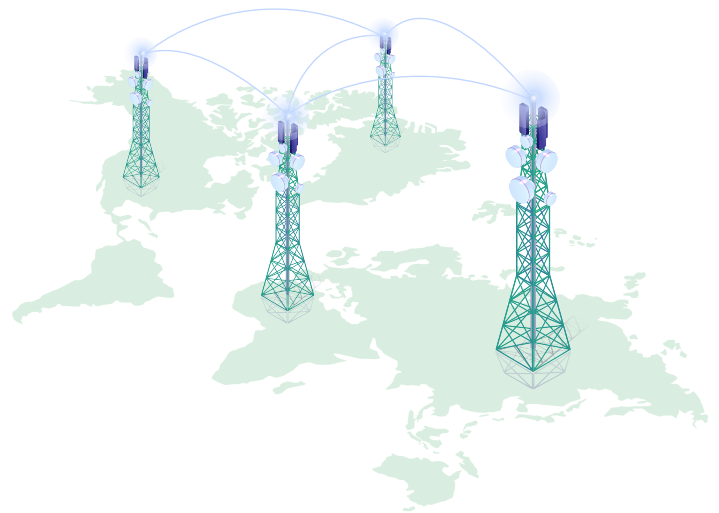


# Telecom Network Optimization

Leverage AI to improve your Network Performance by optimizing the network

## Overview

Network optimization improves network performance and reduces network strain to minimize costs and increase network usability and resiliency. Within telecoms, network optimization is based not only on hardware stack and system architecture but also on the ever-changing consumption patterns and network bandwidth pulled by subscribers. Striking a balance between network performance strategy and the customer experience is critical to success.



## Industry challenges

Telecommunications service providers aim to provide seamless network connectivity to their customers. Customers (both consumers and enterprises) expect the highest standard in services like uninterrupted calls, stable internet connection, coverage wherever they operate from. While providing these services, Telcos always face the challenge of handover failures, inconsistent network coverage, network latency which in turn degrades the customer experience. On the other hand, Telcos also face issues like inefficient network utilization and KPI degradation.

## Quantiphi's Network Optimization Capabilities

### Network Performance Optimization

Network Optimization enables the CSPs to understand their end-users app experience by correlating Network KPIs and Service KPIs, identifying subpar performance in the network, and optimizing where it matters for the end-users app experience.



#### Predictive optimization

Incorporating sophisticated modeling and analytics to make accurate and timely decisions



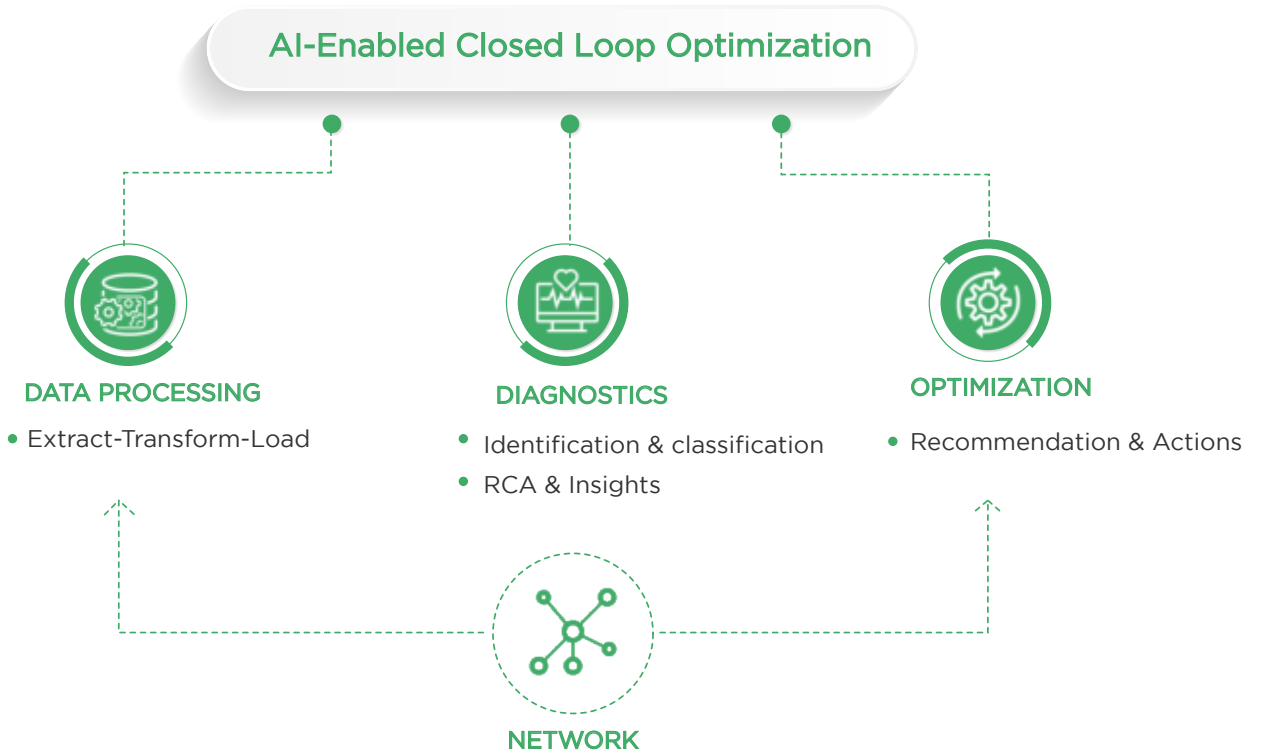
#### Dynamic optimization

Real-time analysis and design fed directly back into orchestration, activation, or provisioning systems for complete, closed-loop automation.

## Our Approach

Quantiphi enables Telcos to make their networks Self Optimized. A self-organizing network (SON) is an automation technology designed to make the planning, configuration, management, optimization, and healing of mobile radio access networks simpler and faster.

Quantiphi assists in building SONs through AI-enabled closed Loop Optimization.



### Key Avenues



Dynamic Asset Allocation



KPI Benchmarking



Automatic neighbor relation management



Automated antenna configuration

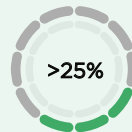
### Business Impacts



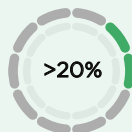
Improved Troubleshooting



Increased visibility across network



Increased end-to-end performance monitoring



Improved Network Agility