

TEOCO SmartRoute™

NETWORK-AWARE, MULTI-DIMENSIONAL ROUTING OPTIMIZATION



A leading internet provider saw a 60% increase in profitability resulting from optimized long distance and international traffic.

Improve Network Performance Across Your Business

Routing cost optimization remains a critical foundation for managing voice costs. But cost alone cannot tell you when the cheapest route is congested, experiencing an outage or delivering poor service quality.

TEOCO SmartRoute™ takes routing beyond traditional Least-cost routing (LCR) with network-aware, multi-dimensional optimization. It continuously evaluates cost, quality, capacity and network conditions to determine the optimal route, and automatically adapts as conditions change.

SmartRoute provides visibility into the true cost of routing by combining fixed costs, usage-sensitive rates and network data. It identifies patterns and tipping points before they erode your margins. It monitors quality metrics such as Answer Seizure Ratio, Average Call Duration, post-dial delay, jitter and packet loss. It also tracks calls per second and overflow; and it responds to congestion, seasonal surges and traffic spikes. Analytics learn traffic and quality patterns over time to identify anomalies and support more proactive routing decisions.

SmartRoute Benefits

IMPROVE PROFITABILITY

Optimize route quality at the best price, reducing voice termination costs by 15-40%.

TRUE COST VISIBILITY

Factor fixed costs, usage rates and routing metrics into optimization decisions.

PROTECT SERVICE QUALITY

Automatically respond when quality metrics breach defined thresholds.

BALANCE NETWORK CAPACITY

Route around congestion, busy-hour spikes and capacity constraints while remaining optimized.

AUTOMATE OPERATIONS

Model, implement and measure routing changes across heterogeneous networks..

PREDICT AND ADAPT

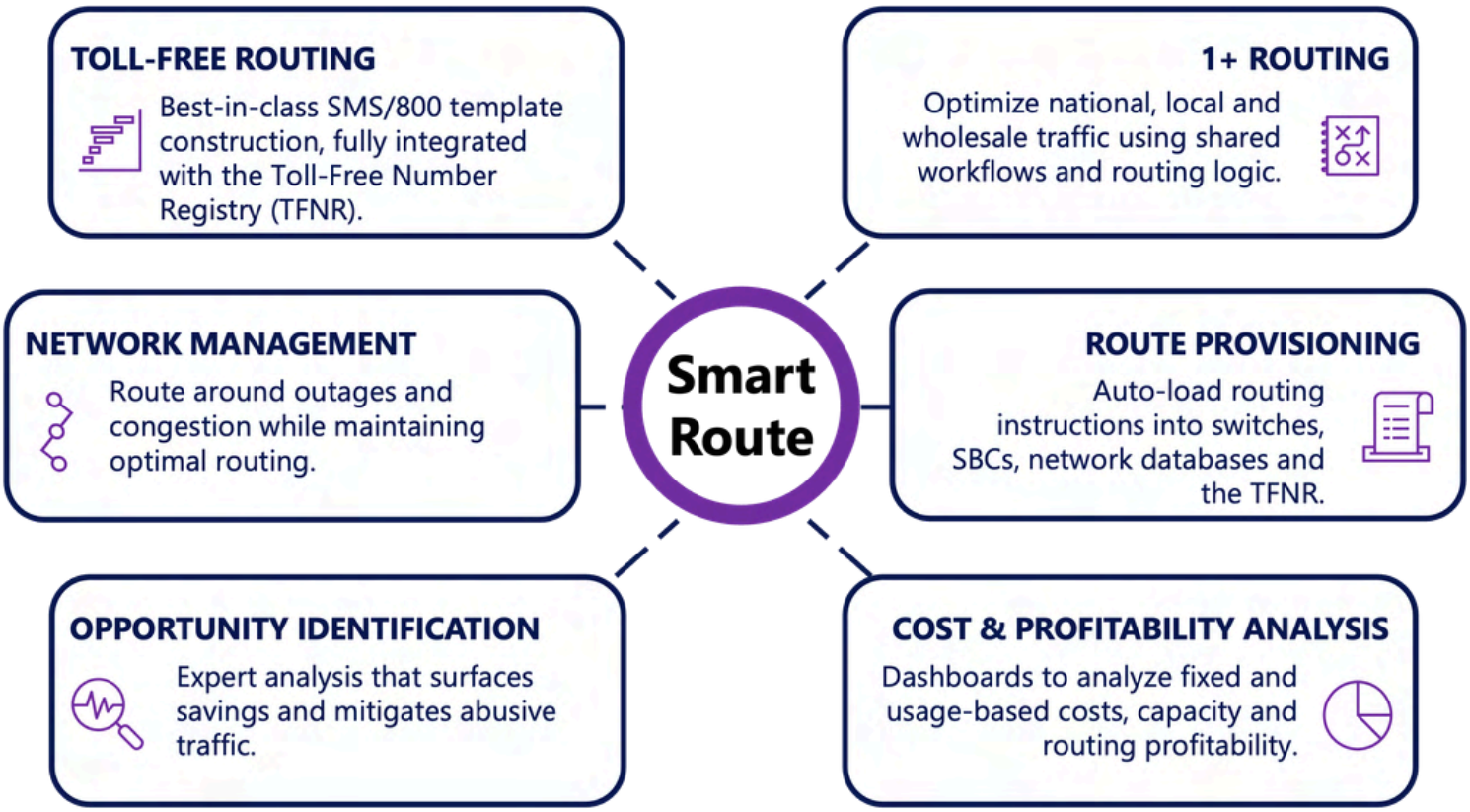
Use predictive analytics and anomaly detection to anticipate traffic, quality and capacity issues.

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ROUTING THAT SEES THE WHOLE NETWORK, NOT JUST THE RATE DECK

SmartRoute automates the voice routing lifecycle – from modeling to implementation and measurement – across toll-free, 1+, local and wholesale traffic. Its flexible, rules-driven optimization combines cost, quality, capacity and network-state data. It supports diverse traffic types, technologies, vendors and network architectures.



Real Results: 15–40% Lower Termination Costs

SmartRoute optimizes route quality at the best price, saving customers 15–40% on voice termination costs while automating the end-to-end routing process across the entire network.

Network-Aware modeling and routing aligns expectations with the actual behavior of the network, instead of having to figure out why costs overran estimates at the end of the month.

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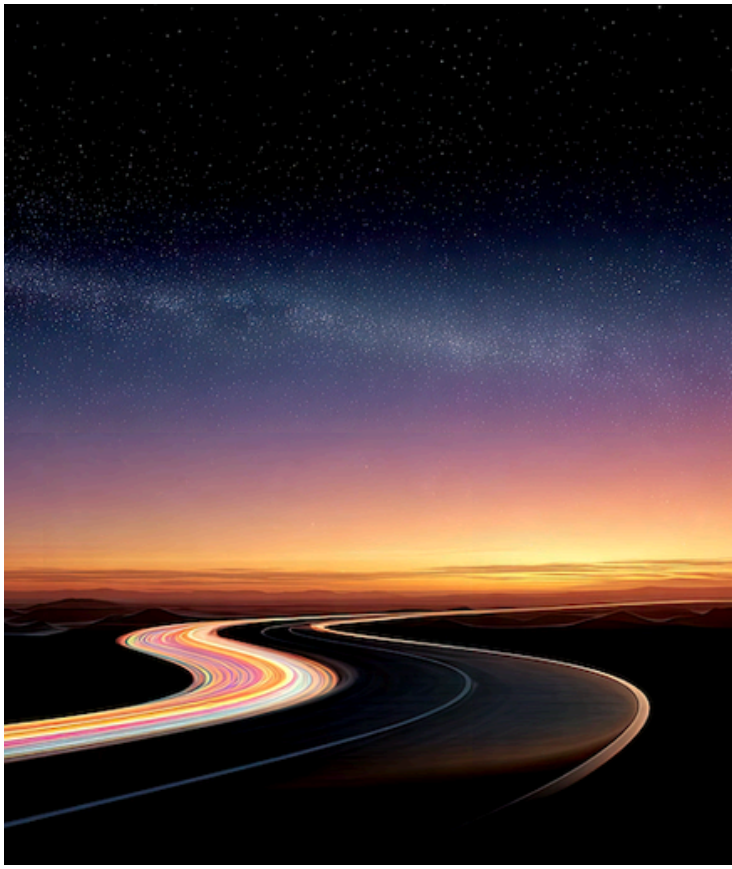
PROVEN IMPACT FOR THE WORLD'S LEADING COMMUNICATIONS SERVICE PROVIDERS

TEOCO manages more than $3 billion in network cost invoices every month and delivers an average of 3-10 % annual cost savings for its customers.

"Enterprises depend on Bandwidth's Toll-Free solutions for their most mission-critical communications.

TEOCO's technology supports our goal of automating and optimizing more processes, to provide our customers with even greater efficiency, reliability, and control at scale."

— Julie Barghouthi, Vice President of Global Network Evolution at Bandwidth



FOR MORE INFORMATION

For over 30 years, TEOCO has helped network Communications Service Providers run profitable businesses. Contact us today to schedule a demo and see how SmartRouteTM can cut voice termination costs, automate routing operations and protect network quality at scale.

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