



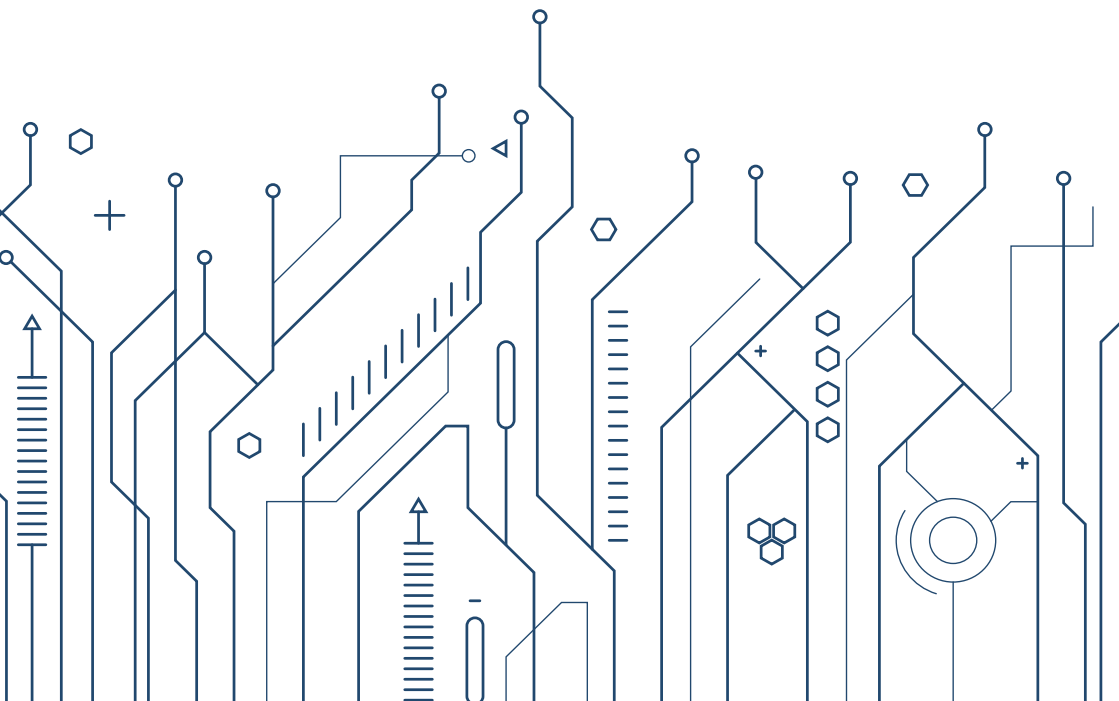
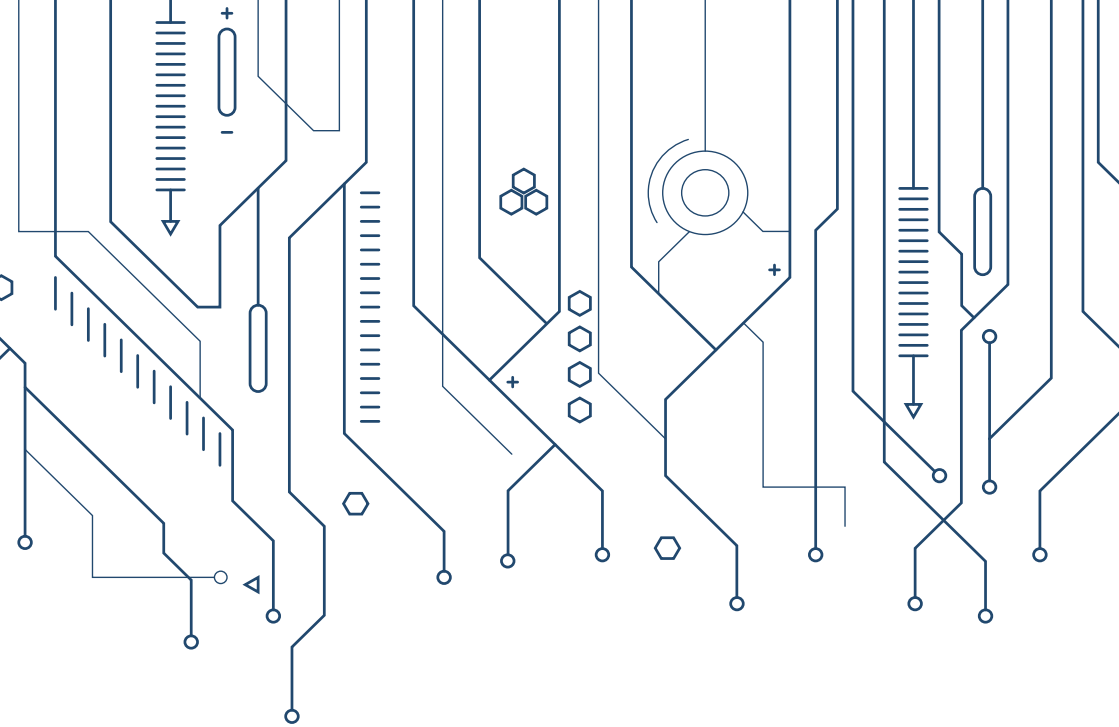
Top 9 Star Suite highlights:

Experience the advantages of network excellence



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MINIMIZE OPERATIONAL EXPENSES

In today's highly competitive and evolving telecommunications industry, operators strive to optimize costs while adapting to new technologies and achieving QoS and operational efficiency. To tackle such challenges, Star Suite helps to implement cost-saving measures, and adopt efficient network management, so operators can minimize operational expenses and enhance their financial performance.

A broad range of OpEx saving possibilities are enabled by Star Suite service assurance



Fulfillment of the tasks of DWDM operations with **88% less labor cost**



75% maintenance cost reduction by directing teams to the exact points with root-cause analysis



First response time to outages was approximately 1 hour - now **just 1 minute**



25% fewer outages due to the detection and intervention of underperformed fibers



99,6% decrement in SLA penalties by automated SLA calculation

ENSURING LIFE-SAVING SERVICES IN FORCE MAJEURE

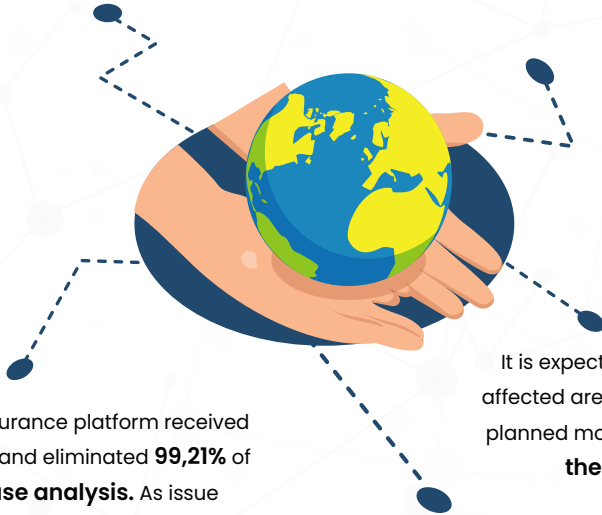
Every second after a natural disaster is vital and any delay directly affects human life. In such catastrophic events, communication is crucial as it is a life-saving factor and depends on service continuity.

Helping service providers to reveal the impact of disaster in seconds

On the 6 Feb 2023 Türkiye earthquake, one of the three major Turkish telecommunication and service providers achieved the following:

Field maintenance teams and resources were immediately directed to the affected sites. Thus, **80% faster response** was achieved and the maintenance cost of **wrong/unnecessary intervention decreased by 95%**.

The operator achieved **30% faster recovery** in the earthquake-affected areas than other operators did.



Star Suite service assurance platform received thousands of alarms and eliminated **99,21%** of them by **root cause analysis**. As issue resources were simply determined, it helped in reducing mean-time-to-identify network problems.

It is expected that the services in affected areas to be renewed will be planned more efficiently, **reducing the CAPEX by 5%**.

Proactive notifications informed NOC, operation, and field teams and triggered **automated work orders** leading to fixing network issues just after the earthquake.

RIGHT PLANNING FOR THE RIGHT DECISIONS

All of the operators seek strategies to strike a balance between network expansion and better investment decisions with maximized ROI. Star Suite supports operators by providing effective network planning tools for optimized resource utilization, misinvestment avoidance, and enhanced customer experience.

99% churned customer satisfaction on network performance by assessing the feasibility of regions in terms of traffic and capacity while creating campaigns

Automatic Service Provisioning and Low Level Design lead to a significant **reduction in the planning effort, which is almost 90%.**

Minimization of unforeseen impact of outages and setting the best time for planned works with on-the-fly **network simulation**



Reducing **investment cost by up to 7%** by gaining visibility into the entire network inventory including both in-use/unused assets and their utilization rates

100% accuracy and consistency in automated capacity reports which must be declared to Telecommunications National Regulatory Authorities

Elimination of unnecessary processes and human errors in network planning with monitoring and controlling configurations from a single system

5G READY

The deployment of 5G technology will bring about increased speed, reduced latency, and more reliable connections. However, this also means that operators will face a growing demand for higher capacity and faster infrastructure. The combination of legacy networks with 4G and 5G components creates complex networks and the diverse nature of 5G networks, involving different devices and vendors, complicates managing the network more than ever. Simply put, telco networks are likely to keep expanding, but Star Suite is already here for 5G and beyond.

Ability to manage **hybrid networks** (consisting of both legacy and next-generation components)

Ability to manage **physical and virtual networks**

Ready for the **next-generation mobile networks** with increasing volume of traffic

5G

Supporting new generation **Open and Smart RAN**

Fully compliant with the **3GPP specifications**

Proficiency in managing a large number of network devices with optimal performance

LESS TIME & EFFORT FOR DAILY OPERATIONS

Now, the focus is on intelligent network automation solutions. Zero-touch aspect is at the heart of each operation and process. With its fully automated network functions, Star Suite OSS enables to improve employee productivity. It does so with **lower operating costs, less staff, and in less time.**



In network planning

Star Suite facilitates topology analysis, network analysis, and capacity planning with automated tools. It significantly reduces the amount of time employees spend on routine tasks, saving almost **6 hours per day**. Otherwise, **4x man-days effort** is required to complete the same tasks.

In network operations

the detection of equipment with low performance or malfunction enables faster response and outage diagnosis. Thanks to Star Suite, processes of network maintenance, optimization, and troubleshooting are simplified and require up to **42% less effort**. Also, **80% faster response** to outages is achieved.



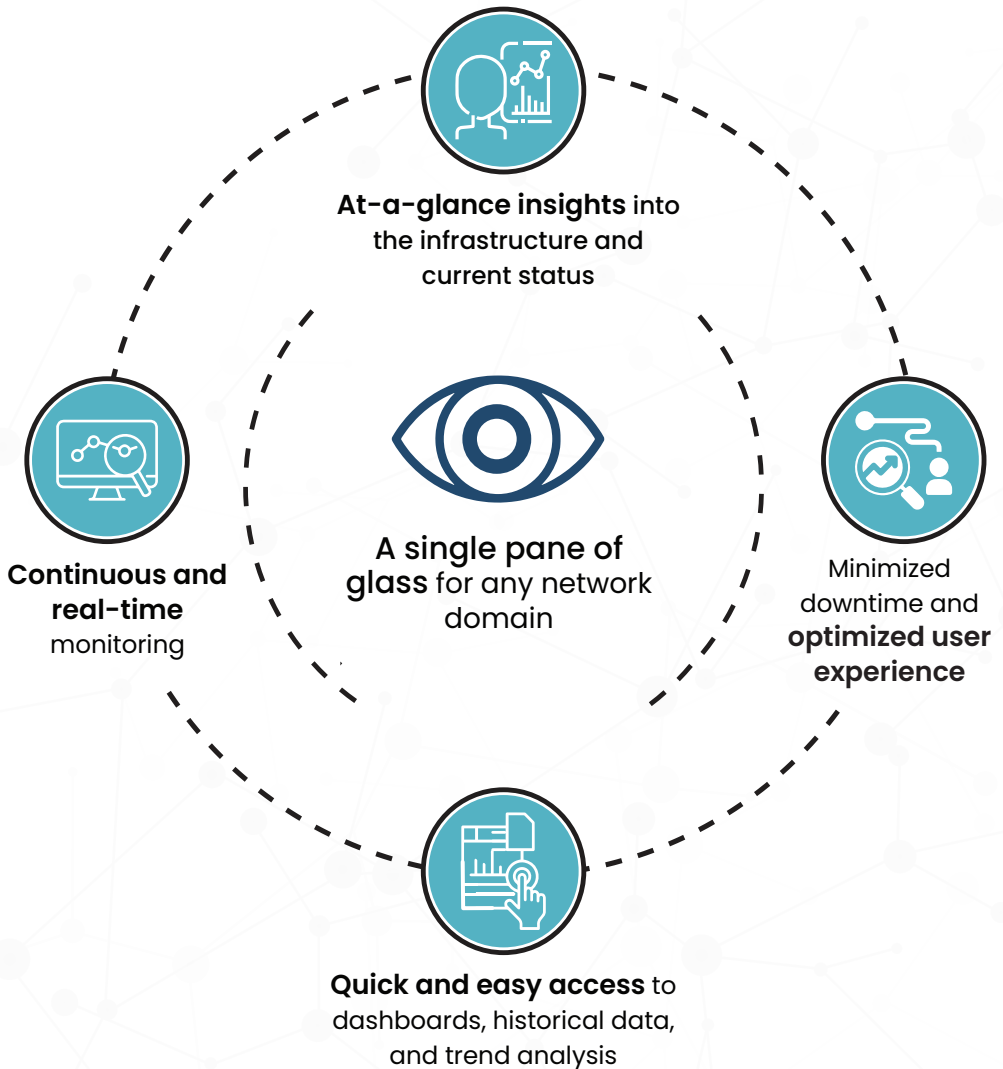
The monitoring (NOC) team

relies on Star Suite for network monitoring, fault and performance analysis, troubleshooting, and escalation. It provides full visibility of the network with dashboards, extensive screens, and reports, reducing the **employee workload by nearly 30%**.

“ According to the poll conducted with cross-teams of major telecom operators in Türkiye, automating teams' daily tasks enables focusing on much more value-added tasks. ”

FULL VISIBILITY OF YOUR NETWORK

Better understanding of how your network infrastructure is organized. Map out elements across the entire network topology and visualize dependencies and interconnections in a live manner. Keep an eye on overall current network performance so you can reveal and resolve network blind spots faster.



AI-DRIVEN PERFORMANCE & OUTAGE PREDICTION

Just detecting outages is already an everyday job in today's competitive environment. Go one step further and predict problematic service performances before customers are impacted. Star Suite Performance & Outage Predictor (POP) provides AI/ML-powered assurance by using **time series analysis and classification algorithms**.



Star Suite's AI-driven POP identifies degradation in network performance and predicts possible outages in advance so that maintenance activities are scheduled and performed in proper time windows. Better planning of maintenance activities and minimizing the frequency of outages **reduce maintenance costs by 2,5%.**

Operators often sign SLAs with their customers, which define certain performance metrics, including uptime and service availability. By predicting and responding to network outages with the POP, operators can meet SLA commitments, reducing potential penalties and costs associated with **SLA breaches up to 9,6%.***



Customers experiencing network outages are more likely to switch to a new provider. POP increases service continuity and customer satisfaction, thereby **reducing customer churn level by 18,4%.***

*In comparison to other operators in Türkiye, 2022

ALL-IN-ONE OSS

Developed to address the comprehensive needs of Internet Service Providers in network operations, planning, performance management, and support & maintenance encompassing a wide spectrum of functionalities are all under one hood.



Ready-to-use telco product portfolio
without extensive customization requirements



Zero-touch network aspect
aiming to increase the automation of end-to-end service fulfillment and service assurance processes



Domain & vendor agnostic approach to avoid vendor lock-in and remove silos across network domains



Modular structure that allows implementing functionalities and features aligning with the needs of the telecom industry

EASILY ADAPTABLE

Implementing a new business process or transitioning to a new business system can be a complex and time-consuming task. However, Star Suite offers a combination of **quick installation, an intuitive interface, and seamless integration capabilities**, all within its flexible and scalable structure. By minimizing complexity and optimizing efficiency, Star Suite helps companies save time and resources, enabling them to focus on their core operations and achieve their business objectives.

- ☑ Suitable for database and server redundancy
- ☑ Containerized software structure
- ☑ Software licensing models based on operator
- ☑ Adaptability to new requirements of operators
- ☑ Optimized performance on resource utilization
- ☑ Ease of deployment (whether in cloud or on-prem)
- ☑ Enhanced user experience via responsive design
- ☑ Compatibility with any cloud environment

About TechNarts

TechNarts has been a leading software development company since 2007 to make a difference in the sector with its innovation-oriented approach, particular staff training, and extensive know-how. With 15+ years of experience in mastering cutting-edge technologies and proven methodologies, it has been offering tailor-made software solutions and services to enterprises with endless job enthusiasm. TechNarts has a deep expertise in track & trace systems plus OSS/BSS. From telecommunications to health informatics and fintech, covering a wide range of solutions in various sectors, we build unique solutions that matter.

Explore TechNarts



Explore Star Suite

