

# Transform your 5G transport network

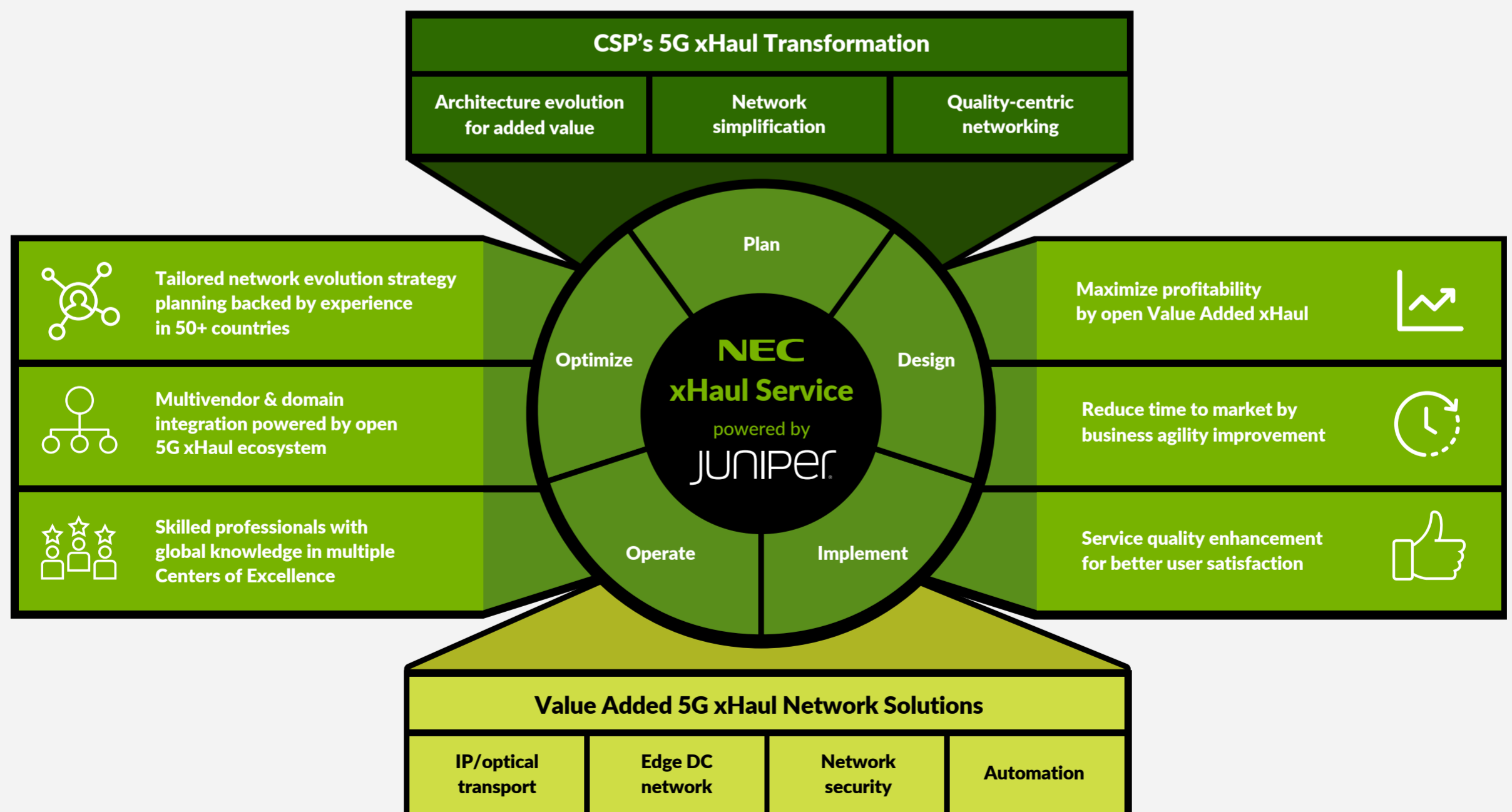
Simplify and automate for 5G and beyond with Juniper Networks and NEC 5G xHaul Transformation Services.



NEC's Value Added xHaul Solution Suite takes a holistic approach to transport network transformation by dismantling conventional silos in multiple technology domains, such as IP, optical, edge data center, network security, and AI/automation.

## NEC 5G xHaul Transformation Services with Juniper Networks

NEC offers turnkey automation services, powered by Juniper Networks, that combine network and software engineering capabilities to provide robust automation solutions for the full lifecycle of 5G xHaul operations. This includes network provisioning, traffic engineering, and closed-loop automation. Evolve your xHaul transport network with flexible, one-stop-shop services.



## Unified xHaul architecture

A single architecture optimizes the entire xHaul network, creating a robust, agile, and scalable foundation for 5G.

## Optimized 5G performance

Together, NEC and Juniper deliver performance and reliability in a multivendor, multidomain environment. From planning and design, to operation and optimization – all with expert customization and integration.

## Increased efficiency and functionality

Juniper Networks automates the entire xHaul transport network operation lifecycle – including network provisioning, traffic engineering, and closed-loop automation – for better agility, efficiency, and simplicity.



**Juniper Networks and NEC are committed to open networking standards and technologies leading to more flexible and scalable networks.**

## NEC 5G xHaul Transformation Services with Juniper Networks

Juniper Networks and NEC enable holistic transformation of the transport network domain, including:

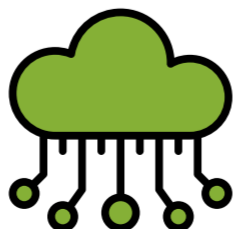
- Access, Metro, and Edge
- Core IP networking solutions, including Cloud Metro solutions
- Data center solutions

NEC's 5G xHaul Transformation Services helps service providers navigate their journey to 5G by providing all the building blocks needed to create new business value and compete in the coming decade.

### Cloud Metro

Juniper [Cloud Metro](#) multiservice architecture consistently delivers assured user experiences across distributed cloud services.

Using network slicing, service-aware technologies, and cloud-scale capabilities, you can meet or exceed user expectations for every service – while eliminating the costs and complexity of siloed metro operations.



### Automated Assured Services

Keeping pace with expectations isn't enough – you must exceed them. This means your network needs to be responsive, insightful, elastic, and resilient.

[Juniper Automation](#) provides you with the service assurance you need to gain and maintain that competitive advantage.



## Client-to-Cloud Security

Network operators face high volumes of threats with the potential to disrupt services.

**Juniper Connected Security** safeguards users, applications, and infrastructure by using your entire network to detect threats on multiple fronts. It then extends that security intelligence to all connection points across your network.



## Telco and Edge Data Centers

Standards-based and automated data center network fabrics deliver scalability, reliability, and nonblocking, predictable performance.

Juniper's **intent-based data center network automation** assures and simplifies the design, deployment, and operation of the multivendor fabric. It also ensures reliability with continuous validation and change management, based on a single source of truth.



**Juniper Networks and NEC help service providers around the world to solve complex challenges, deliver value, and stay competitive.**

**Together, we can help transform your transport network for the 5G era and beyond.**

## About NEC Corporation

NEC Corporation has established itself as a leader in the integration of IT and network technologies while promoting the brand statement of "Orchestrating a brighter world." NEC enables businesses and communities to adapt to rapid changes taking place in both society and the market as it provides for the social values of safety, security, fairness, and efficiency to promote a more sustainable world where everyone has the chance to reach their full potential.

For more information, visit NEC at [www.nec.com](http://www.nec.com).

## About Juniper Networks

Juniper Networks is dedicated to dramatically simplifying network operations and driving superior experiences for end users. Our solutions deliver industry-leading insight, automation, security, and AI to drive real business results. We believe that powering connections will bring us closer together while empowering us all to solve the world's greatest challenges of well-being, sustainability, and equality.

**JUNIPER**  
NETWORKS | **Driven by  
Experience™**

### APAC and EMEA Headquarters

Juniper Networks International B.V.  
Boeing Avenue 240  
1119 PZ Schiphol-Rijk  
Amsterdam, The Netherlands  
Phone: +31.207.125.700  
Fax: +31.207.125.701

### Corporate and Sales Headquarters

Juniper Networks, Inc.  
1133 Innovation Way  
Sunnyvale, CA 94089 USA  
Phone: 888.JUNIPER (888.586.4737)  
or +1.408.745.2000 | Fax: +1.408.745.2100  
[www.juniper.net](http://www.juniper.net)

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