

\$8B USD

 in NFV spending for the
virtual packet core

\$247B USD

 in 5G worldwide service
revenues by 2025

ABI Research provides industry-leading research and advisory that understands the implications of evolving telco network deployment from individual appliances to shared platforms. Coverage topics include telco SDN, NFV, MEC, ML/AI with a sharp focus on business and operational transformation issues in addition to technical coverage. The activities and implications of developer ecosystems and open source projects are also covered, as well as their effect on the telecom infrastructure value chain. ABI Research provides visibility into telco digital transformation, including the telco transformation journey, network monetization through including analytics, agile service delivery platforms, and ICT infrastructure.

TOP QUESTIONS WE RECEIVE FROM INDUSTRY INNOVATORS

- How should telcos deploy software based technologies like SDN and NFV in their network?
- Should telcos rely on a single vendor for NFV, integrate their own systems, or wait for open source to mature?
- How should a telco digitally transform their business? Where should they start?
- How will software licensing change the relationship between telcos and vendors?
- How will vendors need to adapt to survive with software licensing business models?
- Will tomorrow's networks be centralized or distributed?
- To what extent can Machine Learning and AI help telcos run their networks?
- How will edge computing be deployed in the telco network and how will it affect network deployments?
- How should established system integrators aim to become prime integrators for telcos?
- How can telcos successfully transform into digital service providers?
- Which vertical markets will become a key opportunities for both telco cloud and 5G services?
- Which Tier One telcos are shaping the new telco network?
- How can telco vendors aim to increase business opportunities with SDN/NFV?
- Can telecom vendors sell directly to key verticals? How can their operational model change to address new opportunities?

COVERAGE AREAS

- SDN/NFV
- Telco cloud platforms, opportunities, and challenges
- Hot tech innovators in telco cloud
- Value chain analysis and vendor matrix for NFV
- AI in telecom networks
- Service enablement platforms
- NFV deployment and implications
- Regional trends for telco cloud deployments
- Advanced telco cloud features: network slicing and service chaining
- MEC value chain analysis
- Network slicing and 5G networks
- Open source and ecosystems in telco cloud
- Big data and machine learning for telco analytics
- Network slicing for automotive and AR/VR
- Traffic management in the telco cloud
- Signaling in the telco cloud: SIP, diameter, and SS7
- Combining blockchain and AI for network control
- Quantum networking
- Service exposure platforms
- Telco network deployments
- Telco digital transformation
- Cloud computing
- Network monetization
- ICT infrastructure
- Telco analytics
- Telco cloud traffic management
- Open-source navigation in telecom networks

KEYWORDS

- Software-defined networking (SDN)
- Network functions visualization infrastructure (NFV and NFVI)
- Virtual network function (VNF)
- Edge Computing
- Network orchestration
- Network automation
- Mobile edge computing (MEC)
- Telco cloud
- Digital transformation
- Machine Learning
- Artificial Intelligence
- Big data
- Blockchain
- 5G
- Quantum computing
- Information centric networks
- Graphene for telco infrastructure
- Open source
- Developer ecosystems