ABIresearch for visionaries | TELCO DIGITIZATION

$8B USD
in vEPC spend during 2018

$38B USD
is the total NFV market during 2022

$43.8B USD
network slicing revenues during 2026

Our Telco Digitization coverage, which includes data, trend, and forecast reports, provides industry-leading research and advisory on the transformation of the mobile service provider into a digital company. Topics include telco SDN, NFV, MEC, ML/AI and a sharp focus on business and operational transformation issues in addition to technical coverage. The activities and implications of external 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 the Mobile Service Provider (MSP) digital transformation and the need for MSPs to develop an UnTelco approach (*i.e.* business models beyond connectivity) as part of its strategy. This includes MSPs initiatives beyond traditional services, MSPs strategies and activities by vertical, new and upcoming technologies from private LTE to 5G to serve end-markets, MSPs approach to generating new revenue streams, challenges and roadblocks in the MSP transformation journey, and the wider ecosystem reaction to MSPs' transformation.

TOP QUESTIONS WE RECEIVE FROM INDUSTRY INNOVATORS

- What is the future of the mobile service provider?
- How are telcos aiming to "platformise" their networks?
- What will be the role of the mobile service provider in various enterprise verticals? Can they complete against Webscale giants?
- How will AI be deployed in the telecom network and which suppliers will help telcos deploy and manage AI across their business?
- What AI use cases should telcos start experimenting with today?
- Who are the leading innovators in the mobile market? How do they innovate?
- What role will analytics and big data play in 5G networks?
- What is the role of open source in AI, NFV, SDN and other software-based technologies?
- How should a telco digitally transform their business and 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?
- How will edge computing be deployed in the telco network and how will it affect network deployments?
- How should systems integrators target the telco cloud market?
- How can telcos successfully transform into digital service providers?
- Which vertical markets will become 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

- UnTelco approach and digital strategies
- Digital opportunities with 5G
- Operator 5G service strategies
- UnTelco vertical opportunities and activities
- Technologies supporting vertical plays
- Infrastructure vendors UnTelco approach
- Utility, mobility, smart cities, smart home, payment vertical markets for telcos
- End market opportunities for MSPs
- Telco AI strategies
- AI use cases in telecom networks
- Virtualization and automation
- Telco cloud platforms, opportunities, and challenges
- Telco SDN, SD-WAN and white boxes
- Hot tech innovators in telco cloud
- Value chain analysis and vendor matrix for NFV
- 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
- Network monetization
- ICT infrastructure
- Telco analytics

KEYWORDS

- Telco innovation
- UnTelco
- Digitization strategy
- 5G services
- 5G core networks
- Service Based Architectures (SBA)
- NG Core
- Open source networking
- Telco SDN, SD-WAN
- 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
- AI
- Big data
- Blockchain
- Quantum computing
- Information centric networks
- Graphene for telco infrastructure
- Developer ecosystems