

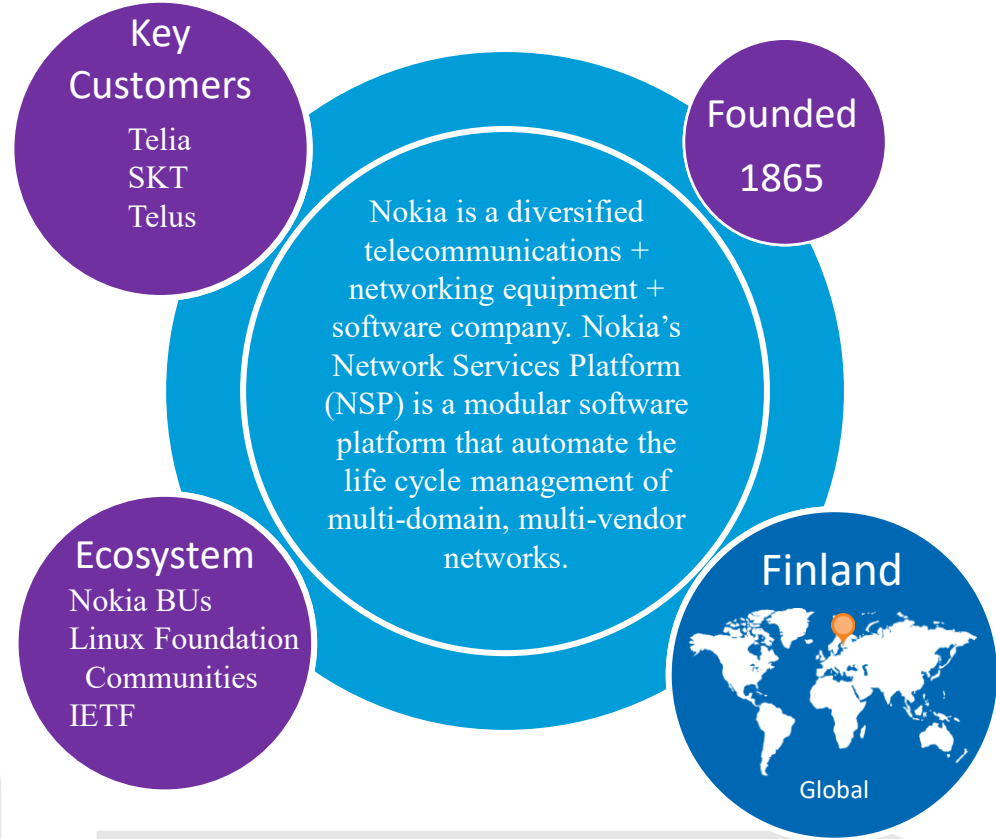
VENDOR SNAPSHOT

PRODUCTS AND SERVICES

- NSP provides ready-to-use applications to help operations & engineers control and optimize transport networks, automating the network management, assurance, & SDN control.
- 5G automation and slicing support includes deploying NSP for a NSSMF and NFMF for both 5G core and transport networks
- Modular deployment options are available for:
 - IP/MPLS & L2/L3 resource management
 - Optical transport resource management
 - IP/Optical coordination, link creation & optimization
 - SDN path computation traffic engineering.
- MDM - model-driven mediation between NSP device/network models & underlying network elements
- NSP analytics support ongoing service assurance + network optimizations
- YANG, Netconf, REST + other open interfaces support extensibility & integration with external systems

KEY STRATEGIES

- Leverage open, standards-based element, network + services data models to support new domains within NSP (such as virtualized mobile cores + virtual BNGs)
- Provide programmability for developers through open, intent-based APIs and models for integrating Cross Domain Orchestrators and OSSs
- Actively collaborate with other Nokia product units such as Nuage, CloudBand, Digital Operations Center, & NetAct to support automated cross-domain network operations
- Support an open developer community to integrate operator home grown + external management & analytics applications with NSP's multi-domain operations
- Leverage Bell Labs research for advanced functionality development



ANALYSIS

- NSP is a robust platform for automated management of existing multi-domain networks
- To best capture the forward-looking life cycle management benefits of DCO frameworks in a cross-domain manner Nokia should even more aggressively develop optimizations of cross-domain management functions between NSP + its other domain controllers