NOKIA DEEPFIELD

ACG RESEARCH

VENDOR SNAPSHOT

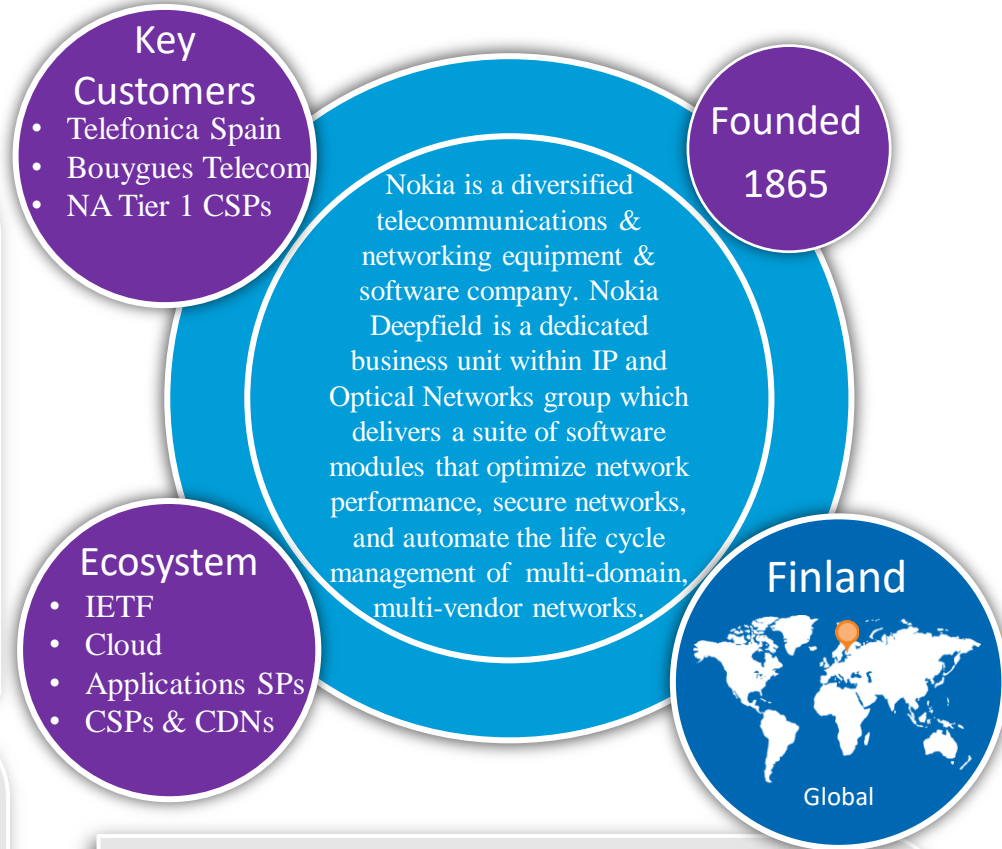**www.nokia.com/networks/solutions/deepfield/**

NOKIA

PRODUCTS AND SERVICES

Deepfield is a powerful, multi-dimensional suite of Internet traffic & operational analysis software to help operators & application providers optimize, protect & plan network and application services.

- Cloud Genome & Cloud Intelligence analyze application traffic patterns & performance across multiple operators' domains + routes
- Subscriber Intelligence analyzes consumption patterns, optimizations + opportunities
- Operational Intelligence analyses flow patterns & performance to tune service delivery settings
- Deepfield Defender monitors, identifies + mitigates security threats to ensure hi performance, safe operations
- Service Intelligence monitors and tracks performance of subscription video on demand and streaming video KPIs in real-time (ABRs, number of streams).
- Deepfield Network Firewall extends DDoS detection capabilities of Deepfield Defender, adds more flexibility to orchestration of multi-level mitigation options, including router-based mitigation for volumetric DDoS, and automation (e.g., auto-mitigation).

KEY STRATEGIES

- Active, ongoing operations, engineering + management level engagements with cloud/app & network providers to explore & validate meaningful metrics & analyses
- Deep leverage of open, multi-vendor protocols + network/traffic management frameworks to underpin analytics data collection across diverse vendor infrastructures (DNS, Radius, IPFIX, BGP, NETCONF, gRPC)
- Open API links with network domain controllers (such as Nokia NSP) to support both automated & operator-mediated corrective actions to be taken based on analytics
- Always validate & stay relevant to highest impact KPIs

Key Customers
- Telefonica Spain
- Bouygues Telecom
- NA Tier 1 CSPs

Founded
1865

Nokia is a diversified telecommunications & networking equipment & software company. Nokia Deepfield is a dedicated business unit within IP and Optical Networks group which delivers a suite of software modules that optimize network performance, secure networks, and automate the life cycle management of multi-domain, multi-vendor networks.

Ecosystem
- IETF
- Cloud
- Applications SPs
- CSPs & CDNs

Finland

Global

ANALYSIS

- Deepfield is among the industry's most sophisticated & useful network & traffic analysis platforms
- It would be of high value to extend its functionality into customer edge analytics in conjunction with other domains' DCO applications to broaden the impact of its functionality
- Consider highlighting business value of capabilities even more.