Injecting AI at scale via public cloud
Accelerating processes automation

Effectively implementing AI in Telecoms’ – key challenges:

- 55% Need mature data science and ML productization skills
- 77% Struggling with data storage and data fit for exploitation
- 23% Data security concerns when it comes to AI

Nokia AVA: Al-as-a-Service

1) 1st telco AI use case library on public cloud
2) Nokia security framework ensures data isolation
3) Outcome based model – no gain, no fee

Nokia Security Framework

Nokia AVA benefit examples

- Field services optimization: -5% in emergency field ops OPEX
- Energy efficiency: -20% OPEX energy reduction
- Predictive video analytics: +5% revenue/year
- Service management: Double digit NPS boost and triple digit productivity gain
- Spectral performance: +17% efficiency
- Geo data as-a-Service: Better prioritization / avoiding CAPEX
- Cell site degradation prediction: up to 7 days in advance with 85% accuracy
- Automated assisted triage: OPEX reduction eliminating of manual processes
- Intelligent alarm clearing: -82% in mean time to recover
- KPI degradation detection: 100% success in detecting sleeping cells near real-time
- RF coverage optimization: -80% cost related to manual drive testing

Learn more about predictive and proactive services across care and operations
www.nokia.com/networks/services/analytics-and-ai-services

1) Source: 2019 Nokia study of 50 CSPs

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