Harnessing AI for Next-Gen Threat Detection & Response

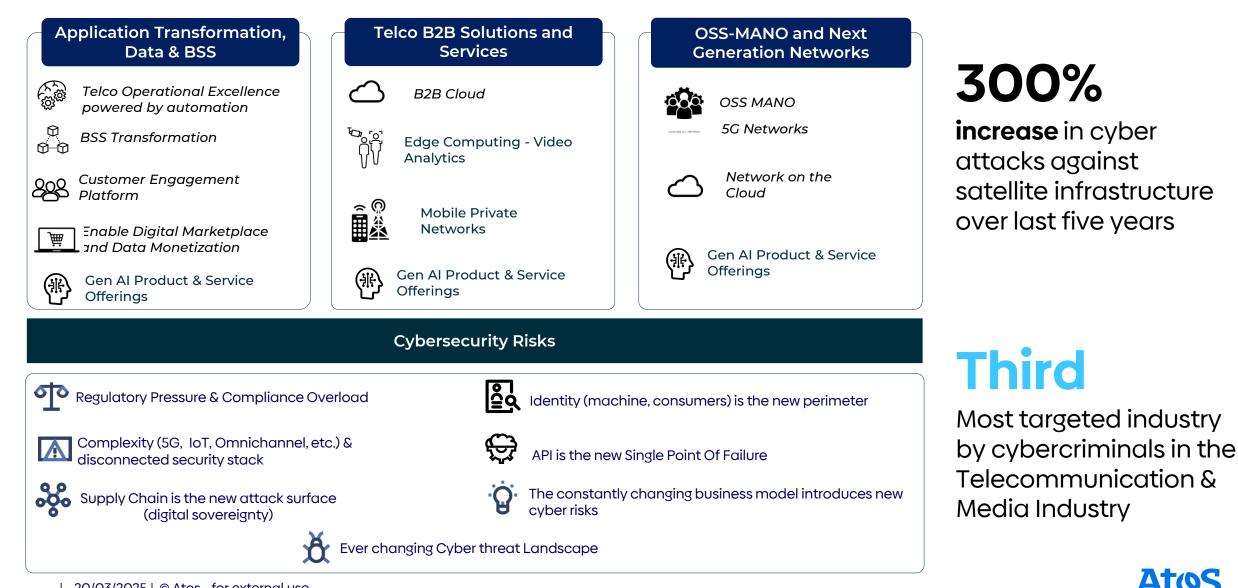
Securing Telecom Networks & Digital Infrastructure in the era of 5G

Zeina Zakhour VP, Global CTO Cybersecurity @ZeinaZakhour

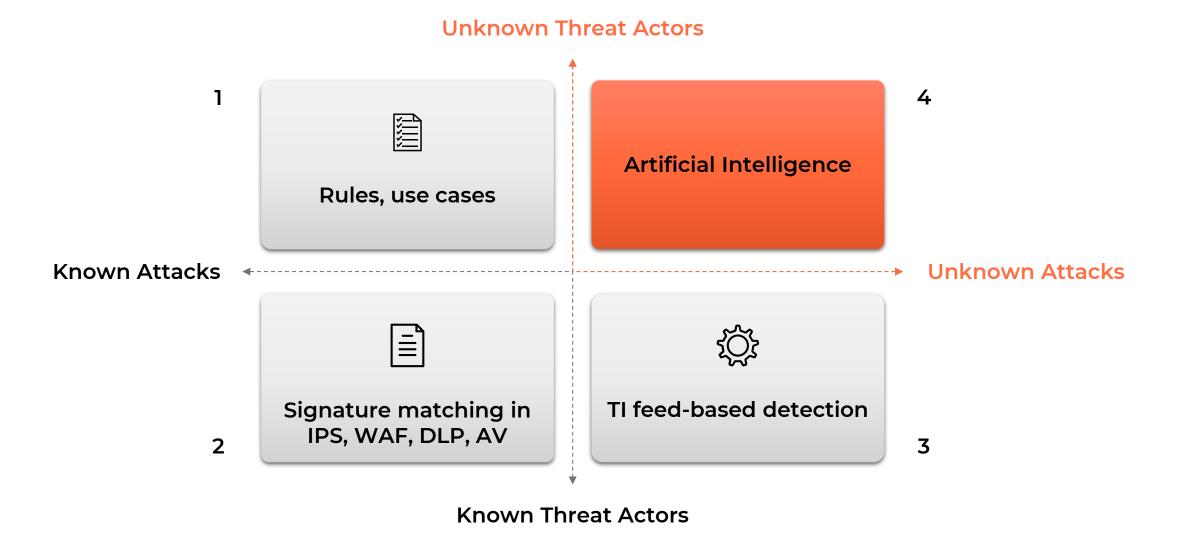
ENISA Telecom & Digital Infrastructure Security Forum 20th of March 2025



Navigating the Cyber Risk landscape in Telecom



AI is for Precision & Adaptability – not the Panacea



20/03/2025 | © Atos - for external use

Atos

66

84% of MITRE ATT&CK

techniques are not covered by traditional rules & signatures

Artificial Intelligence in Cybersecurity

- Rapid synthesis of voluminous data
- Automated threat detection and response
- Early detection and proactive defense
- Coverage of unknown threats



Advanced Detection and Response powered by Alsaac Platform

	Technologies		Threat Detection and Response			
	Multi-Vector		Attack Surface	Deeper Detection		Full Response
00000	Endpoints Identity	SIEM SOAR Security Analytics	External Attack Surface Management Continuously scan external digital estate to identify issues	1000+ rules and signatures	24 X 7 SOC monitoring for known threats powered by industry specific use cases	Incident analysis Enrichment with Attack Surface Management.
	Network	UBA				Threat containment Immediately stop threats and contain the spread
\bigcirc	Cloud Infra/SaaS	Threat Intel	Policy Management Continuously detect policy violations and enforce them	200+ threat intel sources	24 X 7 threat intelligence for known attackers enriched with risk scoring 24 X 7 Threat hunting for unknown threats/attackers powered by industry specific use cases	
ġ	Applications	EDR SIEM				Al Responder Al Assistance for automated response
	Database	SIEM NTA Vulnerability				
~j@%		Management Policy Management	Vulnerability Management Continuous vulnerability detection and mitigation	(개) 100+ ML models		Recovery Management Recover from cyber threats
(J	Issues	EASM				
Singular Risk Visualization with real-time risk scoring						
Expert teams - governance and continuous improvement						



Threat Hunting Using Al

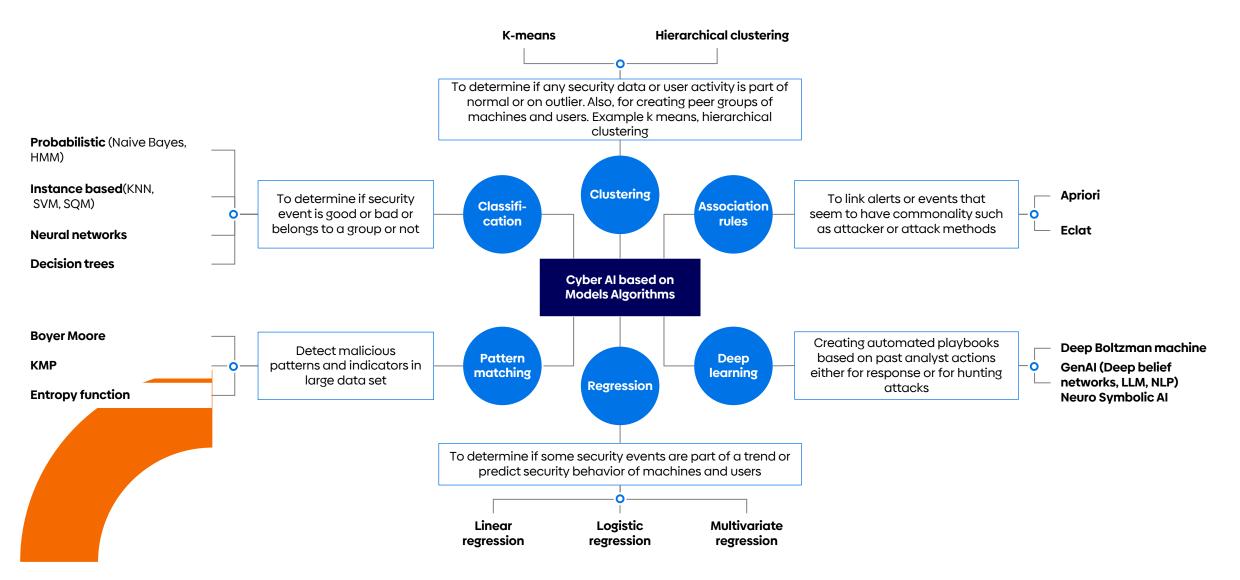
Anomaly Based

Learn normal Login patterns, Data transfer, Email transactions Detect abnormal

Hypothesis based Learn Malicious patterns Detect similar



AI Algorithms for Advanced threat Detection



ΔΤΟ

What the future holds? Al-first Security



Atos