

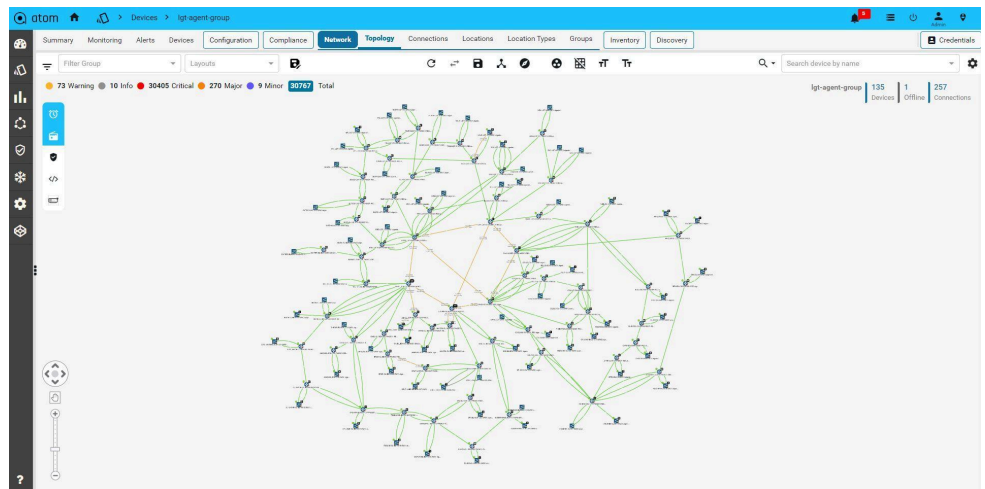


Algeria Telecom Drives 5G and high-speed Internet with ATOM

As the demand for high-speed Internet and 5G services surges, telecommunication providers face the challenge of modernizing their networks. Algeria Telecom, a prominent player in the telecommunications industry, embarked on a mission to enhance the quality and accessibility of Internet services across Algeria. Anuta ATOM played a pivotal role in achieving Algeria Telecom's objectives through automation and streamlining of network operations, catalyzing innovation and efficiency.

Customer Profile

Company	Algeria Telecom
Industry	Service Provider
Region	EMEA
Products used	MX2020, MX960, MX2008, MX480, EX9200, EX2300, EX4300, ATOM, NorthStar Controller



Desired Automation

- Improve high-speed Internet access across Algeria.
- Modernize metro networks to support the rollout of 5G.
- Optimize Internet service quality.
- Simplify network planning, design, and operations.
- Ensure future-proof infrastructure investment.
- Facilitate smooth migration to IPv6.
- Implement digital transformation initiatives.
- Enhance scalability to accommodate surging data traffic.

Key challenges

- Cumbersome and expensive On-boarding of new routers
- Multiple NMS solutions causing disjointed operations
- Rigid and legacy provisioning systems hampering service delivery
- Link congestion and latency spikes cause service degradation
- Vendor lock-in due to proprietary standards
- Greenfield with CLOS requiring automation & telemetry

Anuta's Solution

ATOM's EMS capabilities facilitated seamless onboarding, ensuring a swift integration process for new network devices. Configuration management became a streamlined process, enabling efficient handling of device configurations. Moreover, the solution successfully managed image upgrades and ensured compliance with industry standards.

ATOM implemented Configlets to simplify and expedite network configuration tasks, providing a low-code approach for efficient operations. Leveraging FCAPS (Fault, Configuration, Accounting, Performance, Security) capabilities, ATOM ensured end-to-end management of network elements. The implementation of alert correlation enhanced proactive monitoring, enabling rapid responses to potential issues—furthermore, seamless OSS integration allowed for a cohesive network management ecosystem.

Business Outcomes

- 5X Increase in Internet speeds
- Simplified network operations
- Assured user experience for 4.5M homes
- 5G Ready Network

The Anuta ATOM Advantages

- Streamlined network operations through centralized automation.
- Proactive optimization with deep network visibility.
- Facilitates stateful configuration compliance and device management.
- Supports seamless migration to IPv6 and digital transformation initiatives.
- Scalable architecture for future advancements such as 5G.
- Provides actionable insights to troubleshoot issues promptly.
- Ensures adherence to industry standards with new network integrations.



By modernizing its metro networks, Algeria Telecom not only achieved its goal of providing high-capacity, innovative infrastructure to accommodate surging data traffic and future 5G use cases but also paved the way for enhanced connectivity and digital transformation across Algeria. This strategic initiative enhances the quality and accessibility of Internet services and fosters socio-economic growth by creating new opportunities and improving the lives of Algerians. As the telecommunications industry continues to evolve, Algeria Telecom stands to lead the way, empowered by Anuta ATOM's automation capabilities and the collaborative efforts of its partners.

The rapid growth of network traffic clearly indicates the need for modernizing and expanding network capacity. The innovative automated metro cloud architecture has helped us achieve our strategic goals and thrive as we prepare for 5G.

- Adel Bentoumi, CEO of Algeria Telecom