

AN ALEPO SUCCESS STORY

Tishknet streamlines operations with a single, evolved core network for multiple, next-gen data networks.



Tishknet Iraq achieves a 30% boost in operational efficiency with an Alepo core network solution for LTE + WiMAX convergence.

PROJECT BACKGROUND

In 2014, Kurdistan's most prominent internet service provider, Tishknet, turned to Alepo in need of a turnkey LTE solution. Although internet penetration is relatively low, Kurdistan's telecom sector is one of the fastest growing economic sectors in the region, with young customers increasingly looking for faster, more personalized services. Understanding the unique market and its potential, Tishknet wanted to accelerate its 4G broadband success with the introduction of a high-speed LTE network alongside its existing WiMAX services.

At the same time that Tishknet looked ahead to LTE, the operator recognized the need to replace its WiMAX AAA and billing infrastructure in order to gain more advanced features and better vendor support. The operator called on Alepo to deliver a unified network architecture that would support new 4G LTE services and that would, at the same time, significantly reduce the capital and operational expenses related to its evolving 4G portfolio.

OPERATOR CHALLENGES

Tishknet faced the common operator challenge of tackling a major network evolution while also maintaining legacy services. In Tishknet's case, the legacy WiMAX platform lacked many features that withheld LTE support and also caused high revenue leakage, amongst other limitations. Tishknet also had to consider its capital investment in new LTE and WiMAX infrastructure as well the costs of training employees on new platforms. In a solution, Tishknet required -

- A complete "LTE in a Box" solution that would enable a rapid launch of new, innovative data services
- A new billing and CRM platform for WiMAX, as well as complete migration of 150,000 WiMAX subscribers without any downtime or disruption of services
- The ability to reuse prepaid vouchers for all services and move subscribers from WiMAX to LTE plans as needed
- Assurance in the capital and operational investment of the WiMAX and LTE networks

ALEPO SOLUTION

Alepo worked closely with Tishknet to implement a convergent core network and IT solution that offered a rapid deployment time for LTE as well as full support for WiMAX services – all on a single platform. The key components of the Alepo solution were -

- Advanced Policy and Charging Control (PCC)

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- Convergent Charging and Billing plus CRM
- Unified Subscriber Data Management (AAA + HSS)
- Professional Services, including Data Migration

SOLUTION FEATURES & HIGHLIGHTS

Alepo's solution enabled Tishknet to launch a new LTE network while simultaneously migrating all WiMAX subscribers from the legacy platform to the Alepo platform, creating a single, high-performance solution, featuring -

- **Smooth Network Evolution**, a fully convergent architecture that supports multiple access technologies and offers a rapid time to market of new data offers and promotions across all networks.
- **Unified subscriber data management**, a single data repository reduces data duplication and operational costs of maintaining separate databases. With unified SDM, subscribers can easily and gradually transition from WiMAX to LTE without any data migration.

PROJECT OUTCOME & RESULTS

Today, after a successful implementation of the Alepo solution, Tishknet claims its position as a dominant player in the economic hub of Kurdistan. Tishknet's partnership with Alepo affords the operator the following -

Higher Operational Efficiency, Lower CAPEX & OPEX

A single core network with common provisioning and management system helped to save on capital, operational, and training costs. **Tishknet achieved 30% increase in the operational efficiency with a reduction in CAPEX by 4% and OPEX by 6%.**

A Sophisticated and Unique Brand Experience

The widespread adoption of a single but highly efficient system provided unique brand experience to the subscribers across the 4G networks.

