


Case study

Ooredoo Algeria: Leading the way to digital enablement

Cloud-native core solution

NOKIA

A night view of a city skyline, likely Hong Kong, with numerous illuminated skyscrapers and buildings. The foreground shows a body of water with colorful light trails (red, green, blue, yellow) overlaid on it, suggesting a digital or network theme. The sky is dark blue.



Digital transformation is the key to realizing the potential and promise of 5G, but only if Communication Service Providers (CSPs) overcome the challenge of network complexity and readiness for 5G standalone deployments. Having the vision to be a leading digital enabler, Ooredoo Algeria along with Nokia is proving it's possible to simplify the network, improve connectivity and enable faster deployment of innovative services enhancing customer experience.

Business benefits



Improved network performance to deliver higher-quality voice services



OPEX savings through virtualization, automation and programmability (SDN)



Decreased network complexity and reduced number of network sites/elements



Faster time to market for consumers and enterprises, including IoT and eMBB



Challenge

For CSPs, overcoming the network complexity is the key to tap on the 5G opportunity. By being able to provide improved network connectivity, CSPs can control operational costs and open the doors for automation and IoT.

Building a foundation for 5G standalone deployments, Ooredoo faced the following challenges :

- Meet the increased market demands of 3G and 4G data due to COVID-19.
- Simplify the network complexity to achieve better quality of service with minimum outages.
- Faster roll out of new and innovative services to enhance customer experience.
- Reduce the operational cost to support new services related to Industrial Automation and IoT.
- Cloudify its entire network to offer 5G voice services in the future and prepare for 5G readiness.

Simplifying network complexity for future 5G standalone deployments



Solution

Ooredoo Algeria is intimately involved in the nation's digital transformation, having made significant investments in the development and modernization of its network in the country. A long-standing Nokia customer, Ooredoo chose Nokia as a 100% single-vendor networking solution provider that includes:

- Cloud-native packet core, including VNF management and orchestration
- Scalable, virtual IMS to handle VoLTE requirements
- Subscriber Data Management having AUSF and UDM capabilities with authentication/authorization platform.
- Multiple new Data Center deployments

Powering Ooredoo Algeria's digital transformation



Results

Ooredoo Algeria's modernization targets are achieved to operate a 5G ready network with the optimized cost structure and reduced complexity. With a cloud-based solution, the number of sites reduced resulting in fewer site visits and reduced TCO.

The future deployment of the 5G standalone network is paved beside the immediate effect of the optimized operation of the network. Nokia's cloud packet core solution enables richer mobile broadband services enhancing the digital experience of subscribers.

The newly introduced IMS solution provides excellent quality of service and helps succession of digital transformation journey of Ooredoo Algeria.



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“With Nokia’s cloud-native core solution, we are able to deliver the latest services, while better controlling our operational costs, supporting industrial automation and the IoT.”

Djillali Erouane

Technology Operational Director at Ooredoo Algeria





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About Nokia

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Our communications service provider customers support more than 6.4 billion subscriptions with our radio networks, and our enterprise customers have deployed over 1,300 industrial networks worldwide. Adhering to the highest ethical standards, we transform how people live, work and communicate. For our latest updates, please visit us online www.nokia.com and follow us on Twitter [@nokia](https://twitter.com/nokia).

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