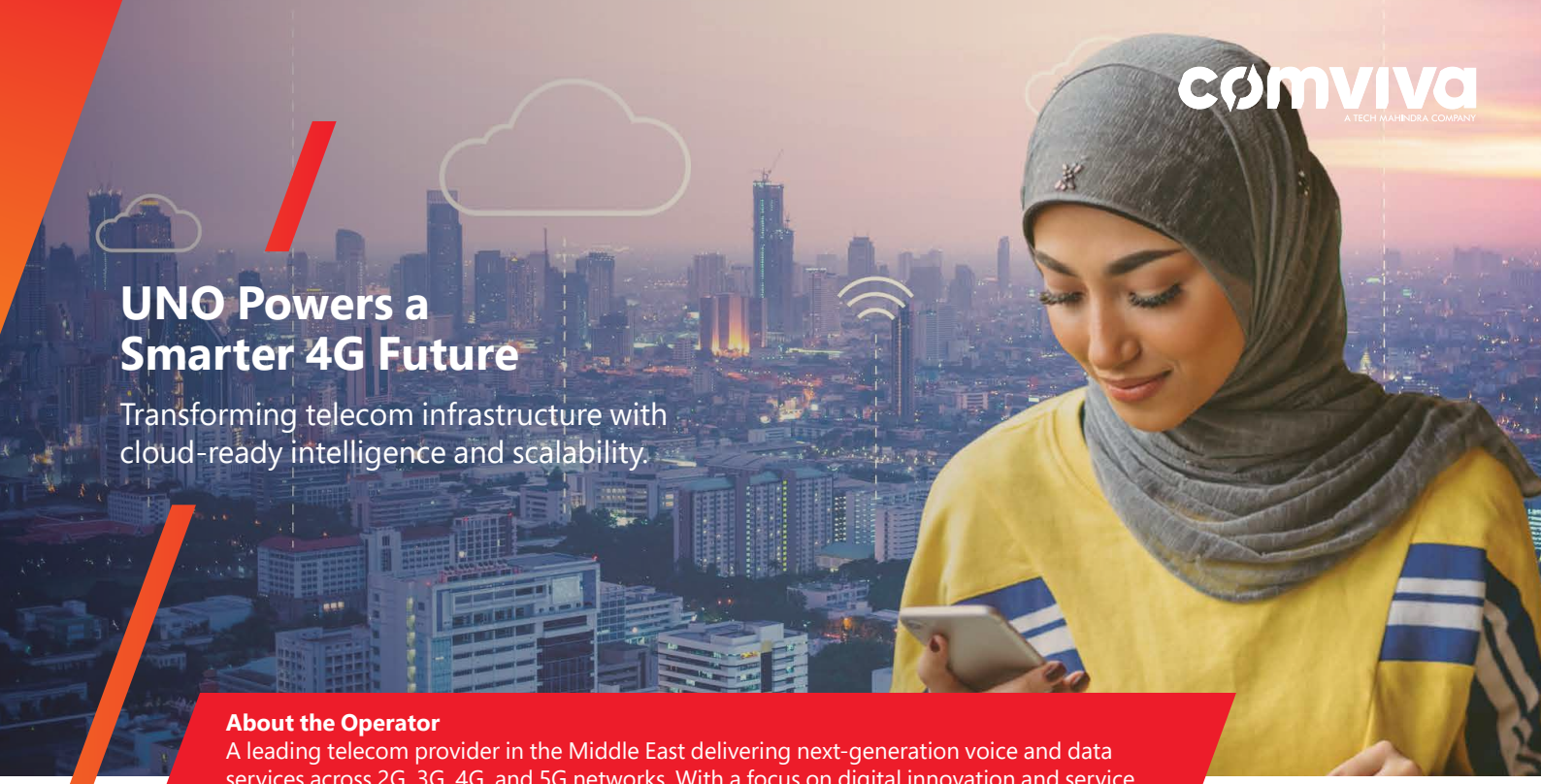

UNO Powers a Smarter 4G Future

Transforming telecom infrastructure with cloud-ready intelligence and scalability.

About the Operator

A leading telecom provider in the Middle East delivering next-generation voice and data services across 2G, 3G, 4G, and 5G networks. With a focus on digital innovation and service excellence, the operator is driving nationwide transformation by modernizing infrastructure, enabling high-speed connectivity, and improving customer experiences.

Challenge

Ensuring seamless messaging continuity and scalability across all network generations while reducing infrastructure duplication and cost.

Legacy Limitation : Existing SMSC restricted to 2G/3G networks, creating delivery gaps on LTE.

Multi-Tenant Need : Requirement for a multi-tenant architecture to optimize resources.

4G Enablement : Needed integrated SMS-over-4G without a separate IPSM Gateway.

Platform Maturity : Demand for a mature, scalable, and secure messaging platform.

Solution

Comviva deployed its UNO platform, **a cloud-ready SMSC solution** engineered for scalability, multi-tenant enablement, and 5G readiness. UNO supports **inbuilt SMS-over-4G/5G with automatic fallback to 2G/3G**, eliminating the need for a separate IPSM Gateway. The **multi-tenant, secure, and compliant design** enabled seamless onboarding of multiple operators on shared infrastructure—simplifying operations, optimizing investment, and future-proofing the messaging ecosystem.

Cloud-Ready Platform

Cloud-ready, scalable, and ready for 4G/5G.

Simplified Operations

IPSM Gateway eliminated for unified management.

Multi-Tenant Framework

Shared infrastructure for multiple operators.

Secure & Compliant

Telecom-grade reliability with end-to-end security.

Impact

Delivering measurable performance, cost, and efficiency gains through a unified, secure, and future-ready messaging ecosystem.

4G Network

Integrated 4G network seamlessly with 2G/3G networks.

Higher Performance

Handled **500+ TPS** on 4G traffic seamlessly.

Cost Efficiency

Enabled multi-operator onboarding with **30%** cost savings.

Resilient & Secure

Maintained **99.9%** vulnerability-free performance post-deployment.

Strengths

4G/5G-Ready Design

Modular and future-ready for evolving network standards.

Collaborative Model

Supports operator partnerships via multi-tenant architecture.

Scalable Growth

Accelerates rollout and scaling for enterprise -grade operations.

Optimized Investment

Lowers total cost of ownership through hardware reuse.

Comviva empowers organizations to drive transformative growth with measurable business impact. Our AI-driven digital solutions and intelligent platforms enable our customer to unlock new revenue opportunities, enhance customer experiences, and simplify operational complexities to achieve exponential success. From maximizing customer lifetime value to enabling large-scale digital transformation, Comviva is trusted by 200+ global CSPs and enterprises. For more information, **visit us at www.comviva.com**