NEWS RELEASE

Comsol Networks selects managed optical fiber network solution from Adtran and NEC XON to drive 5G growth in South Africa

2026-11-24

News summary:

- Fixed wireless access provider Comsol Networks is expanding DCI capacity to support the rollout of its 5G network
- MOFN solution based on Adtran FSP 3000 technology simplifies optical operations while providing a scalable foundation for growth
- Deployment accelerates service delivery and provides a clear path from 100G to 400G and 800G capacity

JOHANNESBURG--(BUSINESS WIRE)-- Adtran today announced that Comsol Networks has selected a managed optical fiber network (MOFN) solution from Adtran and NEC XON to support the next phase of its 5G expansion. Comsol Networks, a leading South African provider of fixed wireless access and private networks, is expanding its business-focused 5G network to meet rising demand for high-performance connectivity. To support that growth, the company is strengthening its data center interconnect (DCI) infrastructure with a managed solution that removes the complexity of operating a dedicated optical transport environment, enabling its teams to focus on expanding services and growing the business.

Adtran's FSP 3000 technology is helping Comsol Networks expand its DCI infrastructure to support the rapid growth of its 5G network.

"Our enterprise 5G strategy is built around delivering fast, reliable connectivity while expanding quickly to meet rising business demand," said Mauritz Lewies, CTO at Comsol Networks. "We needed a solution that could be deployed rapidly, scale as traffic volumes increase and provide a clear route to higher-capacity services. The managed approach from Adtran and NEC XON gives us the flexibility to grow from 100Gbit/s to 400Gbit/s and beyond, without having to repeatedly replace infrastructure. It enables us to accelerate our rollout while building a transport foundation that supports our long-term ambitions."

The deployment leverages Adtran's FSP 3000 optical transport technology in a MOFN solution delivered by NEC XON. Combining high-capacity optical infrastructure with engineering support, day-to-day operations and lifecycle management, the solution gives Comsol Networks a straightforward way to add optical capacity within its existing operating model. NEC XON manages specialist optical requirements, enabling Comsol Networks to concentrate on customer connectivity and network evolution rather than running its own optical transport environment. The architecture provides a direct progression from 100Gbit/s to 400Gbit/s and 800Gbit/s, empowering the operator to respond to soaring demand, protect existing investments and easily scale its

network through a flexible commercial model.

“As wireless operators expand, optical transport becomes just as important as radio coverage,” commented Stuart Broome, GM of EMEA and APAC sales at Adtran. “Comsol Networks needed to increase DCI capacity quickly without creating a large specialist optical team or continually replacing infrastructure as demand increases. Together with NEC XON, we’re providing a managed architecture that supports rapid service activation and a clear progression all the way to 800Gbit/s. This gives Comsol Networks the capacity and flexibility to keep on growing while remaining focused on the needs of its customers.”

“Across Africa, service providers are looking for practical ways to expand their networks without adding unnecessary complexity,” noted Mercia Jennings, key account executive at NEC XON. “As demand for digital services surges, transport infrastructure must evolve quickly and efficiently. Our MOFN approach combines advanced technology, specialist expertise and a flexible delivery model that helps providers strengthen their network foundations while keeping operations simple. Working closely with Adtran, we’re helping operators like Comsol Networks expand capacity faster, shorten deployment cycles and build networks ready for tomorrow.”

About Adtran

ADTRAN Holdings, Inc. (NASDAQ: ADTN and FSE: QH9) is the parent company of Adtran, Inc., a leading global provider of open, disaggregated networking and communications solutions that enable voice, data, video and internet communications across any network infrastructure. From the cloud edge to the subscriber edge, Adtran empowers communications service providers around the world to manage and scale services that connect people, places and things. Adtran solutions are used by service providers, private enterprises, government organizations and millions of individual users worldwide. ADTRAN Holdings, Inc. is also the majority shareholder of Adtran Networks SE, formerly ADVA Optical Networking SE. Find more at Adtran, LinkedIn and X.

Published by
ADTRAN Holdings, Inc.
www.adtran.com

For media
Gareth Spence
+44 1904 699 358
public.relations@adtran.com

For investors
Rob Fink
+1 646 809 4048
investor.relations@adtran.com

Source: ADTRAN Holdings, Inc.