



NEWS RELEASE

# SUNET harnesses Adtran's ALM fiber monitoring solution for national backbone network

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News summary:

- SUNET needed a way to monitor its national R&E infrastructure in real time for rapid detection and resolution of fiber issues
- With in-service assurance from the Adtran ALM platform, SUNET can locate breaks and degradation across its entire backbone network
- Capable of monitoring RAMAN-amplified links, ALM reduces downtime, simplifies network management and minimizes operational costs

STOCKHOLM--(BUSINESS WIRE)-- Adtran today announced that the Swedish University Computer Network (SUNET) has deployed its **ALM** in-service fiber monitoring solution to enhance network resilience and operational efficiency. The technology equips SUNET's maintenance teams with real-time insight into the quality of its nationwide backbone infrastructure and identifies the precise location of any fiber issues. As Sweden's research and education (R&E) network, SUNET empowers academics and scientists across the country to access learning resources, conduct research and collaborate internationally. With the deployment of ALM, the Nordics' R&E community has additional assurance of uninterrupted, high-quality services. NetNordic, a key technology partner of SUNET, was also involved in the deployment.

Adtran's ALM is helping SUNET monitor its national fiber network to rapidly identify faults and support swift resolution. (Photo: Business Wire)

"SUNET is a world-class high-capacity optical transport network connecting over 110



organizations and serving a community of 750,000 students, teachers and researchers across Sweden and beyond. The deployment of our ALM platform, with its passive fiber monitoring capabilities, has built even more resilience into this crucially important infrastructure, rendering services more reliable and streamlining operations,” said Stuart Broome, GM of EMEA sales at Adtran. “Finding the exact location of faults is a huge challenge for any operator. But now, with the ability to monitor the integrity of its fiber plant passively and proactively, SUNET’s maintenance teams no longer have to engage in costly and complicated post-failure analysis. ALM enables them to address issues before they impact the high-bandwidth, low-latency services Sweden’s R&E community relies on.”

The deployment of Adtran’s 16-port ALM fiber assurance solution across SUNET’s extensive fiber 8,000km backbone network enables rapid identification and resolution of failures, enhancing network resilience. This is a crucial advantage for a user community involved in data-heavy scientific research. The technology also helps improve efficiency by enabling proactive maintenance. Through an intuitive graphical user interface, SUNET can leverage ALM to monitor a vast national infrastructure containing RAMAN-amplified optical links. The platform detects abnormal attenuation, fiber breaks, tapping attempts and other issues that have the potential to impact connection quality and service availability. ALM also boosts sustainability by cutting down on truck rolls, while its low power use and fanless design ensure a greener, less resource-heavy network.

“From climate science to engineering to medicine, SUNET supports a wide range of important data-intensive projects. That’s why its infrastructure needs to be both fast and highly reliable. Our ALM technology guarantees peak network efficiency and resilience against unpredictable challenges like excavation damage or severe storms. With 24/7 monitoring capabilities, it enables SUNET’s maintenance teams to quickly identify and rectify any issues, ensuring uninterrupted, high-quality service,” commented Sander Jansen, GM of infrastructure monitoring at Adtran. “Moreover, our technology enhances environmental sustainability by reducing unnecessary site visits and lowering carbon footprint. This creates a network that benefits not just today’s users but also future generations.”

## 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 largest shareholder of Adtran Networks SE, formerly ADVA Optical Networking SE. Find more at [Adtran](#), [LinkedIn](#) and [X](#).

## About SUNET

SUNET, the Swedish University Computer Network, has served the Swedish universities and other organizations closely related to research and education for more than 40 years. We provide the connected organizations with access to well-developed and effective national and international data communication, a national academic identity infrastructure and other related services that meet their needs, regardless of their geographical location. We are part of the Swedish Research Council and connect Sweden through 8400 km of nationwide dark fiber. For more information, please visit [www.sunet.se](http://www.sunet.se).

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[www.adtran.com](http://www.adtran.com)

## For media

Gareth Spence

+44 1904 699 358

[public.relations@adtran.com](mailto:public.relations@adtran.com)

## For investors

Steven Williams

+49 89 890 665 918

[investor@adtran.com](mailto:investor@adtran.com)

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