NEWS RELEASE

Ehime CATV expands public-sector connectivity in Japan with Adtran XGS-PON technology

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News summary:

- Ehime CATV needed a compact access platform to connect schools and municipal facilities without large shelf-based infrastructure
- Adtran's XGS-PON technology enables the regional service provider to deliver 10Gbit/s connectivity through a scalable architecture
- The project creates a practical route beyond legacy EPON access networks while mitigating geopolitical supply chain risk

MATSUYAMA, Japan--(BUSINESS WIRE)-- Adtran today announced that Ehime CATV has selected its XGS-PON technology to support a new broadband network for public schools and local government offices in Ehime Prefecture, Japan. The deployment will provide 10Gbit/s connectivity to more than 100 public-sector sites, supporting digital learning, cloud-based applications and everyday online services for students, teachers and municipal users. With its compact footprint and flexible expansion model, Adtran's access technology will help Ehime CATV transition beyond legacy EPON infrastructure to ITU-based XGS-PON. The upgrade will also support a more diversified supplier strategy, helping mitigate geopolitical supply chain risk.

Adtran's XGS-PON technology is helping Ehime CATV develop a new broadband network for public schools and local government offices.

"Supporting the communities we serve has always been central to our mission, and schools and public organizations are a vital part of that responsibility," said Yusuke Shibata, executive officer and GM of the technical engineering department at Ehime CATV. "As digital tools become increasingly important to classrooms and municipal services, we wanted a dedicated 10Gbit/s network that could be deployed efficiently and grow with demand. We also needed technology that would provide a smooth migration from EPON to ITU-based XGS-PON. Adtran worked closely with us throughout the planning process to understand our objectives and deliver a solution that supports students, teachers and public-sector teams today while giving us a more resilient foundation for the future."

The new network provides Ehime CATV with a clear migration path from legacy IEEE EPON infrastructure to an ITU-based XGS-PON architecture, while supporting phased expansion. The service provider will deploy Adtran's compact XGS-PON OLTs paired with two-port ONTs at customer sites. Featuring a 1RU, four-port design, the OLTs enable a targeted rollout for schools and government offices while giving Ehime CATV the flexibility to grow as requirements evolve. The solution also incorporates DWDM uplink capabilities and a power-efficient design, simplifying integration with the existing network while delivering the performance needed for

bandwidth-intensive applications.

“Japan’s access market is entering an important period of transition as regional providers look beyond EPON platforms and plan for long-term capacity growth,” commented Damien Delard, head of APAC sales at Adtran. “Ehime CATV is showing how regional providers can turn that transition into real-world progress. By choosing our compact XGS-PON solution, they’re addressing an immediate public-sector requirement while creating a foundation for future expansion. The project also highlights the growing importance of trusted partners, technology independence and transparent governance in telecommunications infrastructure decisions. Adtran’s European and North American heritage provides confidence in long-term support, supply chain resilience and future investment protection.”

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.

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