PT Cendikia Global Solusi transforms network performance to deliver uninterrupted services

"Alcatel-Lucent Enterprise's solution has been a game-changer for our efficiency and bottom line, helping us reduce costs by up to 15%. Our services run with near-zero downtime, providing a smoother, more reliable experience to our customers."

Aripin, Chief Executive Officer, CGS

Founded in 2009, PT Cendikia Global Solusi (CGS), has grown into a trusted name in Indonesia's fiber optic network development. As an independent fiber optic infrastructure provider, CGS delivers efficient, reliable and neutral connectivity solutions throughout Indonesia. Its extensive network spans over 5,000 kilometers of fiber optic cable across 30 provinces, supporting nationwide connectivity and digital infrastructure.

CHALLENGES

CGS faced increasing challenges with a complex network environment involving multiple technologies and protocols. Their legacy infrastructure posed scalability limitations and single points of failure, risking service disruptions and customer dissatisfaction. As network traffic and bandwidth demands grew due to more connected devices, the existing architecture struggled to keep up in both performance and cost efficiency. Additionally, the rapid evolution of technologies like SDN, NFV, IoT, 5G, edge computing, cloud and AI/ML highlighted the need for a more agile, future-ready network.

ACTION

CGS and ALE engaged in a comprehensive demo and proof of concept (PoC) to ensure that Shortest Path Bridging (SPB) would meet the goal of reducing downtime. The ALE solution, based on SPB, offered simpler management and greater cost-effectiveness, leading CGS to choose this solution to enhance their network performance and operational efficiency.

PRODUCTS AND SOLUTIONS

Alcatel-Lucent OmniSwitch® 6900X48

RESULTS

Technical benefits

- Near zero downtime with rapid recovery and sub-second network convergence
- Seamless interoperability with multiple protocols and vendors
- Simplified network management by eliminating complex routing protocols and optimizing traffic flow
- Flexible network expansion allowing quick addition of new nodes and services
- Enhanced security and access control through network segmentation and Zero Trust Network Access (ZTNA)

Financial benefits

- Reduced operational costs by up to 15%, improving overall efficiency and budget management

User experience benefits

- Enhanced network scalability, allowing for expansion of fiber optic infrastructure and adding customers or services
- Seamless integration with existing equipment and multi-vendor environments
- Support for bandwidth upgrades up to 100G without additional hardware investment
- Automatic configuration reduces the potential for human error and allows the IT/OT team to focus on other key tasks

WANT TO TALK WITH SOMEBODY?
CONTACT US

Customer Story

MARKET: SERVICE PROVIDER	COUNTRY: INDONESIA	COMPANY:
DEAL IMPLEMENTED: NOVEMBER 2024	NUMBER OF SUBSCRIBERS: 1000+	PT CENDIKIA GLOBAL SOLUSI (CGS)