



Cambium Networks™

CASE STUDY

Keinen Delivers a Perfect Network Solution to Sterling Biotech & Sterling Gelatin Limited (A Perfect Day Company)

Customer Overview

Perfect Day is a food technology company specializing in animal-free dairy protein production. Based in Berkeley, California, with manufacturing operations in Gujarat, the company utilizes precision fermentation to create animal-free protein. As a pioneer in sustainable food production, Perfect Day relies heavily on automation, IoT devices, and enterprise applications to maintain efficiency in its high-tech manufacturing environment.



Business Challenge

Perfect Day's Gujarat facilities faced three significant challenges that were impeding its operational goals:

- **Extreme Temperature Variations:** With temperatures fluctuating between 25°C and 45°C, the factory environment was harsh on networking equipment, leading to inconsistent performance.
- **Unsecure Flat Network:** The network had no visibility and lacked administrative boundaries impacting network security. It was also challenging for the audit and accountability of the network utilization.





In a manufacturing setup as vast as ours, maintaining a robust network is essential but challenging. Cambium Networks' solutions have enabled smooth operations through all automated processes, ensuring our team always has access to a strong and reliable network."

- Mr. Manish Dave, IT Head, Sterling



- **Unreliable Network Infrastructure:** The network was often choppy and unstable, failing to provide the seamless connectivity required to support manufacturing unit employees and numerous IT-OT devices.

As a company dedicated to innovation, Perfect Day needed a robust, scalable, and cost-effective network solution to ensure reliable connectivity for critical systems, including SCADA, ERP, Microsoft applications, accounting software, DCS, and surveillance.

Technology Solution

Perfect Day evaluated multiple options, before selecting Cambium Networks for its superior ease of use, reliability, scalability, and total cost of ownership (TCO). The deployment included:

- **Wi-Fi 6 Access Points:** XV2-21X Wi-Fi 6 APs for seamless wireless coverage.
- **Enterprise Switching:** cnMatrix™ switches for optimized network management and performance.
- **Network Service Edge (NSE):** For advanced security and SD-WAN capabilities to connect multiple locations securely in a single VPN.
- **Fiber Switches:** To support high-speed, low-latency data transfer.
- **Cloud-Based Management:** cnMaestro™ for centralized network monitoring and control.

The deployment was carried out smoothly by Keinen Techne Solutions Private Limited, ensuring a hassle-free transition to the new infrastructure. Keinen is a System Integrator with expertise in providing innovative IT-OT solutions that synchronize with the business objectives of their valued clients. They have designed, built and are managing large and complex mission critical IT-OT infrastructures across multiple verticals.

Field Results

After implementing Cambium Networks' solutions, Perfect Day's network saw a remarkable transformation:

- **Seamless Connectivity:** All manufacturing unit employees and IT-OT devices are now consistently connected, ensuring uninterrupted operations.
- **Resilience in Harsh Conditions:** The access points and switches deployed in non-ideal conditions, function as expected.
- **Network Availability:** The network availability has ensured increased productivity across the units.



Business Value

The enhanced connectivity has driven significant operational benefits:

- **Increased Productivity:** Employees can now rely on a stable network for real-time collaboration and data access.
- **Operational Efficiency:** The new infrastructure supports automation and digital applications without lag or interference.
- **Future-Ready Scalability:** The solution allows for easy expansion as Perfect Day continues to grow.

Cambium's ONE Network Advantage

Cambium Networks' **ONE Network** provides a single, unified platform for managing enterprise connectivity. By integrating Wi-Fi, switching, network security, and SD-WAN into a seamless ecosystem, ONE Network simplifies IT operations and ensures consistently high performance across all network elements.



About Cambium Networks

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences, and device connectivity, with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We make connectivity that just works.