

SOLUTION OVERVIEW

Claroty CTD and Profitap

Enabling Secure, Passive Monitoring for Critical Infrastructure Networks

Executive Summary

Organizations in critical infrastructure sectors, such as nuclear energy and industrial operations, operate in highly regulated, high-stakes environments where system uptime, network integrity, and compliance are non-negotiable. These environments require continuous, reliable visibility into network activity without introducing new risks or points of failure.

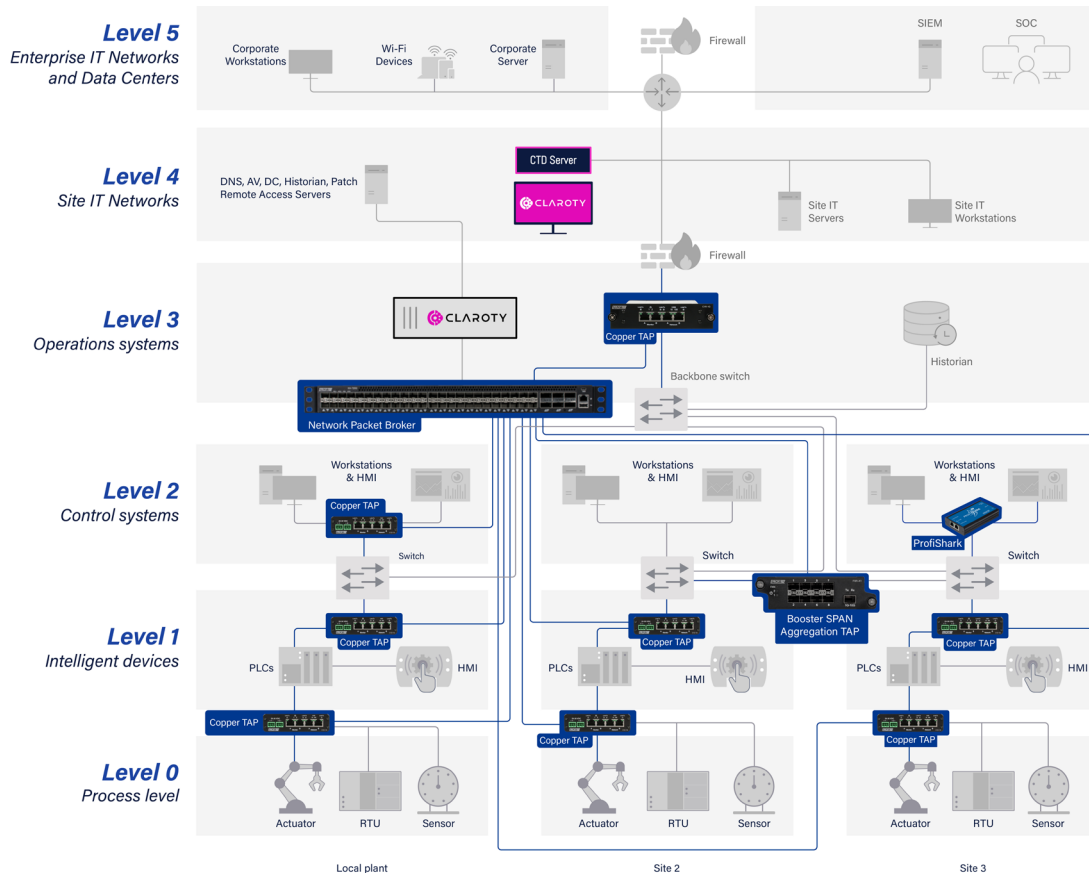
Claroty and Profitap have partnered to deliver a robust, non-intrusive solution that provides full visibility into operational technology (OT) networks while ensuring uninterrupted system performance. Profitap's passive network TAPs and Network Packet Brokers (NPBs), combined with Claroty CTD's deep OT asset intelligence and threat detection, offer a powerful way to monitor, analyze, and secure infrastructure-critical environments with zero disruption to operations.

Joint Solution: Claroty CTD and Profitap

The Claroty-Profitap joint solution empowers critical infrastructure operators with the ability to continuously and safely observe network activity across OT environments. It enables organizations to identify security issues, investigate incidents, and ensure compliance without sacrificing system performance or introducing monitoring risks.

Key Features & Benefits

- **Fail-Safe Operation -**
Passive TAPs ensure 100 percent visibility and uninterrupted network uptime, even during power loss or surges in network bandwidth.
- **Regulatory Compliance -**
Secure Line TAPs with data-diode functionality and tamper-evident seals support cybersecurity standards for critical infrastructure recognized in multiple European countries.
- **Full Visibility -**
Network Packet Brokers aggregate monitor traffic from multiple TAPs and SPANs across multiple network segments to eliminate blind spots.
- **Coexist with Existing Tools -**
NPBs share the right traffic with the right tools to ensure Claroty CTD can coexist with existing customer tool sets.



- **Passive Access to OT Traffic** - Profitap TAPs provide an exact, real-time copy of network traffic for Claroty CTD servers and sensors to analyze. This access is completely passive, meaning no disruption to network operations and no detectable footprint.
- **Deep Packet Inspection and Behavioral Analysis** - Once traffic is captured, Claroty CTD applies deep packet inspection for device profiling and anomaly detection to identify emerging threats and operational issues within industrial networks.
- **Secure Monitoring in Sensitive Environments** - Especially suitable for sectors like nuclear energy and critical infrastructure, where any network downtime or interference can pose safety and compliance risks. Profitap's passive hardware and Claroty's software ensure real-time insights with no operational trade-offs.
- **Support for Compliance and Audits** - Combined capabilities provide a foundation for proving adherence to cybersecurity standards and conducting retrospective analysis. Clear records of all network activity support both real-time investigations and scheduled compliance assessments.
- **European Security Standards Alignment** - Profitap's alignment with government-grade security standards (ANSSI, BSI) makes it especially well-suited for regulated entities across Europe, while Claroty CTD provides the contextual intelligence needed to turn that raw data into actionable security outcomes.

Ideal for Critical Infrastructure Operators

- **Nuclear Facilities and Energy Providers** - Monitor sensitive OT environments for anomalies, unauthorized access, or system drift without impacting uptime.
- **Government-Regulated Industrial Sites** - Meet the demands of local or national cybersecurity frameworks with a defensible, proven monitoring stack.
- **Global Enterprises with High-Security Demands** - Extend secure, passive monitoring to remote or distributed industrial operations, ensuring centralized oversight and regulatory alignment.

Real-World Use Cases Powered by Claroty CTD and Profitap

- **Monitoring Network Traffic in Mission-Critical Environments** - Nuclear energy operators use Profitap's TAPs to provide real-time access to traffic across their OT environments. Combined with Claroty CTD, this allows them to detect anomalous behavior, investigate potential threats, and maintain compliance without touching the live network.
- **Compliance Auditing for Critical Infrastructure** - Operators in regulated sectors leverage the joint solution to retain complete visibility into network communications. This enables efficient, audit-ready reporting for frameworks such as IEC 62443 and national cybersecurity mandates.

About Claroty

Claroty has redefined cyber-physical systems (CPS) protection with an unrivaled industry-centric platform built to secure mission-critical infrastructure. The Claroty Platform provides the deepest asset visibility and the broadest, built-for-CPS solution set in the market comprising exposure management, network protection, secure access, and threat detection - whether in the cloud with Claroty xDome or on-premise with Claroty Continuous Threat Detection (CTD). Backed by award-winning threat research and a breadth of technology alliances, The Claroty Platform enables organizations to effectively reduce CPS risk, with the fastest time-to-value and lower total cost of ownership. Claroty is deployed by hundreds of organizations at thousands of sites globally. The company is headquartered in New York City and has a presence in Europe, Asia-Pacific, and Latin America. To learn more, visit claroty.com.

About Profitap

Profitap provides packet-based network intelligence to enhance network monitoring and bolster cybersecurity. Its unified network observability platform offers reliable data access, traffic optimization, and robust traffic capture and analysis capabilities. These solutions minimize network troubleshooting MTTR, eliminate downtime, support lawful interception, simplify network complexity, and strengthen security for existing and new networks.

Serving over 1,100 clients across more than 70 countries, Profitap's network monitoring solutions deliver comprehensive visibility and analytics across all traffic, ensuring comprehensive insight into physical and virtual infrastructures globally.

To learn more about our joint solution go to <https://www.profitap.com/contact-us/>