

## SOLUTION OVERVIEW

# Complete Asset Visibility in Cyber-Physical Systems

## The CPS Visibility Challenge

Cyber-Physical Systems (CPS) in industrial environments are diverse, geographically dispersed, and filled with assets to protect. Asset visibility and a deep understanding of those assets is the foundation of any CPS security program. Gaining complete visibility requires multiple approaches, including both passive and non-passive collection methods.

Passive traffic inspection and collection has become the architectural standard in CPS environments because it can analyze machine-to-machine communication with no risk of operational disruption. However, this technique requires complex hardware deployments, scheduled downtime, and can lack visibility into specific asset details like patch-level insights.

Due to these reasons, taking a passive-only approach to discovery creates a longer time to value (TTV) and a higher total cost of ownership (TCO) for customer organizations. While passive communication is a crucial piece of a complete CPS visibility journey, Claroty's non-passive discovery methods have matured to provide deep visibility and asset understanding without hardware.

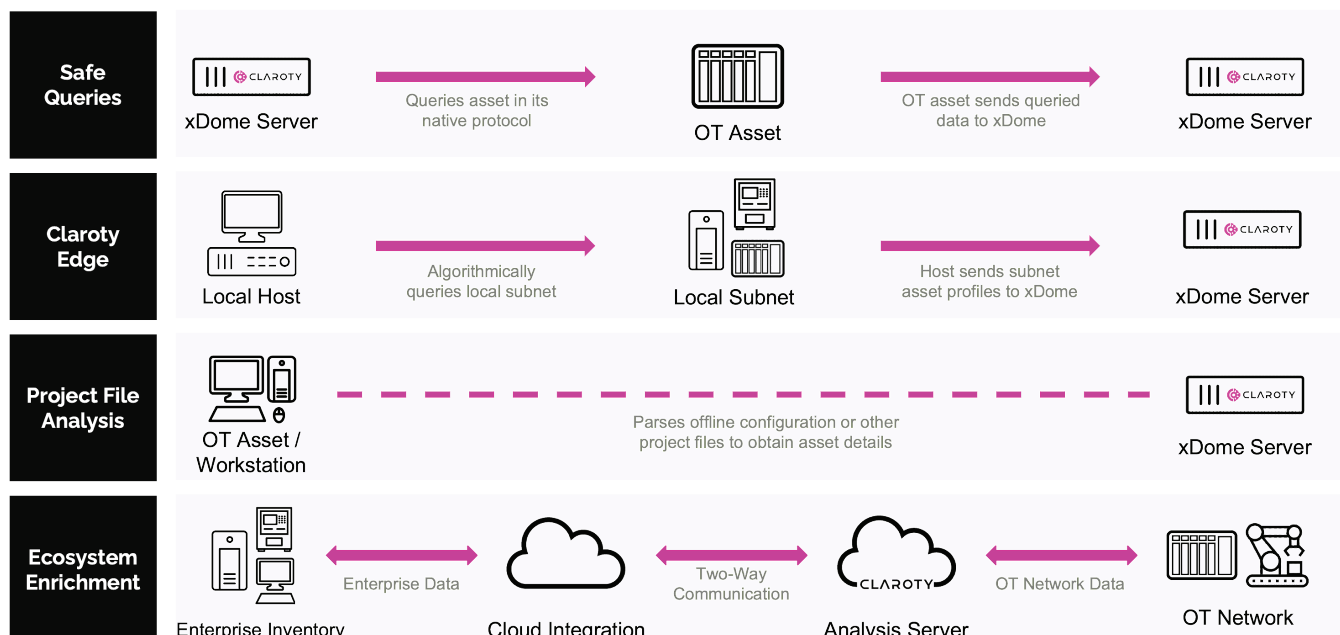
## Achieve Visibility with Dynamic Discovery

Strong CPS cybersecurity requires a foundation of in-depth visibility. Claroty's flexible, dynamic approach to discovery gives the option to lead with non-passive discovery, which can be deployed quickly across multiple sites and geographies, obtaining valuable asset and risk profiles within minutes. This approach includes a combination of technologies to create deep asset profiles and broad, actionable insights with no hardware requirements and low deployment resources.

Through years of dedicated CPS protocol research, Claroty has proven these methods combined can provide greater visibility and deeper asset understanding than passive collection alone.

### Benefits of leading with non-passive discovery

1. Better time-to-value with quick asset discovery and profiling
2. Leverage existing infrastructure for deep asset profiling
3. Low-to-no hardware deployment reduces cost



## The Complete Visibility Journey

Complete visibility combines best in class passive and non-passive detection to ensure customers are able to meet their business goals.

With Claroty's Dynamic Discovery, organizations can begin their visibility journey with a complete picture of assets and exposures, adding passive traffic monitoring later in their journey to provide core network protection and threat detection capabilities. This is one option that allows IT and OT security teams to prove success and gain understanding of their assets, exposure, and risk profile before investing further in passive collection methods to gain their unique value.



### 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](https://claroty.com).