



## Asset Discover and Relationship Mapping

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# Technical Brief

## ASSET DISCOVERY AND RELATIONSHIP MAPPING

### Problem

Security teams cannot see how their industrial assets connect and interact. Most tools show network topology but miss critical operational context: which HMI controls which PLC, what workstation manages multiple systems, how facilities organize into operational areas. Without understanding these relationships, teams cannot assess true risk or predict cascade failures.

### Galvanick's Unique Approach

Galvanick discovers all assets passively while mapping their logical relationships and hierarchy - from enterprise down to work cells.

Our platform visualizes how facilities and systems interconnect, revealing dependencies invisible to network-only tools.

### Technical Differentiators

- Hierarchical organization: Maps assets by facility, area, and work cell - not just network topology.
- Multi-layer discovery: Finds assets deeper in industrial settings that others cannot traverse.
- Operational relationships: Reveals which HMI controls which PLCs, what depends on what.
- Completely passive: No scanning, no agents.

### Why This Matters

A compromised HMI might connect to 20 different systems across multiple work cells. Traditional tools show network links but miss operational impact. Galvanick reveals that this single HMI controls critical production lines across three separate work cells. This context transforms incident response from guesswork to precision.

**For organizations managing complex industrial environments, Galvanick is the only platform that discovers and maps both physical connections and logical relationships, providing true operational visibility.**

