ELISITY

FORRESTER®
WAVE STRONG PERFORMER 2024
Microsegmentation Solutions

SOLUTION BRIEF

Elisity Microsegmentation Platform for BioTech & Pharma: Achieve FDA-Compliant Zero Trust in Weeks, Not Years

A Leap Forward in BioTech & Pharma Network Segmentation

With FDA's new OT cybersecurity guidance mandating controls and sophisticated attacks targeting pharmaceutical IP, biotech and pharma companies face mounting pressure to protect critical drug formulas, clinical trial data, and manufacturing systems beyond traditional perimeter security. Attackers leverage lateral movement in over 70% of successful breaches, making microsegmentation crucial for protecting gene therapy production where disruptions directly impact patient lives. In 2025, FDA 21 CFR Part 11, IEC 62443, and cyber insurers are mandating network segmentation as a critical control for pharmaceutical manufacturers.

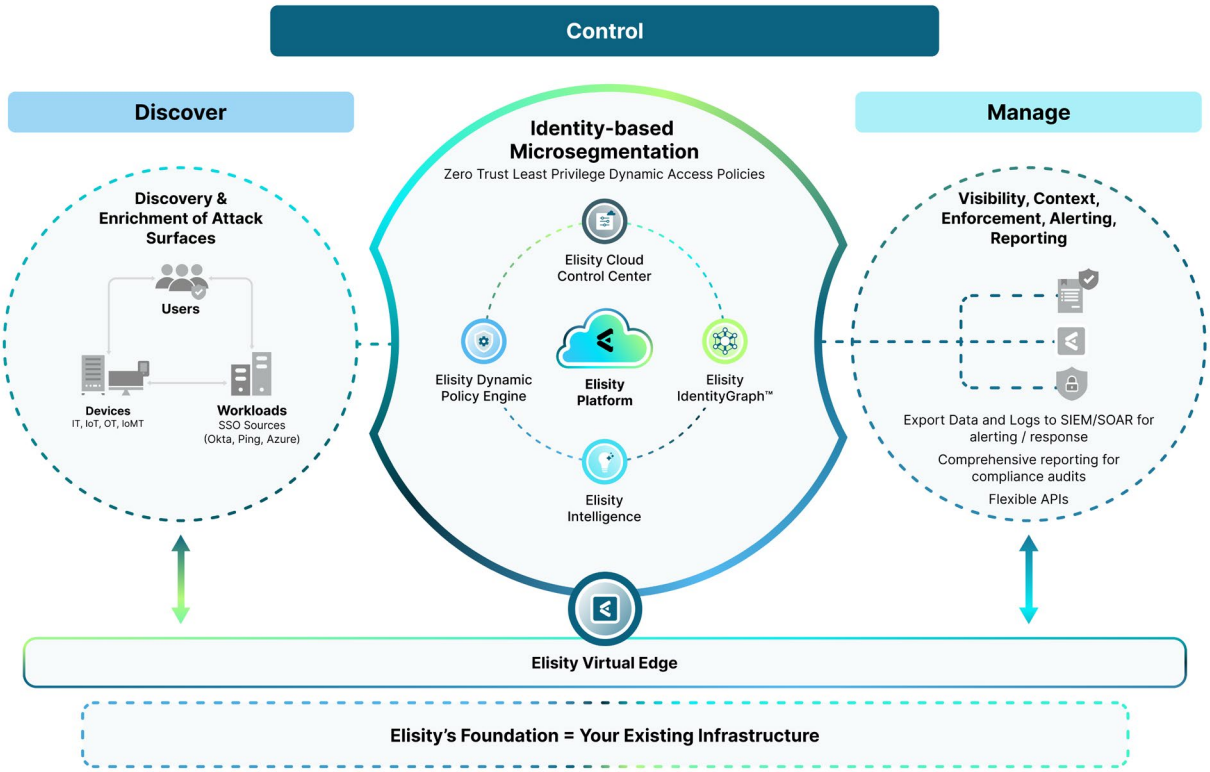
Traditional microsegmentation projects in pharma often become complex, never-ending initiatives involving NAC/802.1x, agents, firewalls, and extensive VLAN configurations that risk disrupting 24/7 production.

The Elisity platform takes a different approach. Trusted by GSK, Andelyn Biosciences, and global pharmaceutical enterprises, our identity-centric architecture decouples access from underlying network infrastructure. The solution can be implemented at scale within weeks using your existing switching infrastructure—eliminating the need for new agents, host firewall configurations, hardware, additional VLANs, firewall rules, or ACLs while maintaining continuous production of life-saving treatments.

> "I can't speak highly enough about that initial engagement... when we went forward with this and the first couple of days, the ease of implementation and getting to a point of being able to create and implement the policies was something, you know, unheard of."

Bryan Holmes,
Director of IT Security at
Andelyn Biosciences

Andelyn BIOSCIENCES



Elisity BioTech & Pharma Microsegmentation

Elisity empowers pharma security and IT teams to achieve robust microsegmentation using existing infrastructure—no new hardware, agents, VLANs, or complex ACLs required. Implement least privilege access policies for critical manufacturing and lab environments where production downtime isn't an option.

Our platform:

- Rapidly discovers all researchers, workloads, and connected IoT/OT/lab equipment
- Correlates metadata and adds context in the Elisity IdentityGraph™
- Integrates with your identity systems, EDR, CMDB, and pharma asset platforms
- Enables policy simulation before enforcement
- Automates dynamic policies that adapt as FDA guidance changes

Discover

Elisity empowers BioTech and Pharma teams with complete visibility of every researcher, workload, and device across your labs, offices and manufacturing network. By ingesting metadata from existing infrastructure and integrating with your tech stack, Elisity correlates vital information—including identity, device details, FDA compliance status, and risk scores—into your dynamic Elisity IdentityGraph™. Your teams gain actionable operational context and real-time visibility of all assets on your pharmaceutical networks, including unmanaged and ephemeral lab equipment, bioreactors, chromatography systems, gene sequencers, and critical OT devices.

Control

Elisity's "no-fear" policy-creation engine dynamically manages and enforces pharma security and access policies quickly without risking production batches or causing downtime. The Cloud Control Center enables your pharmaceutical security team to create, simulate, and apply smart, automated policies that persist for every lab device wherever it appears on your manufacturing networks. Elisity makes it easy to apply least privilege access for researchers, production workloads, and devices—protecting your organization from east-west attacks while ensuring critical drug manufacturing continues uninterrupted. Your unmanaged laboratory equipment chaos will disappear, improving both security and production operations.

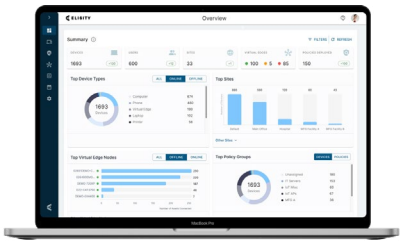
Manage

Elisity's cloud-delivered policy management control plane quickly connects to your existing pharmaceutical network. By abstracting this capability from manufacturing infrastructure, there are no additional firewalls, VLANs, ACLs, or agents to install on sensitive lab equipment—making deployment possible at every manufacturing site, lab, and distribution center in hours without production disruption. Unlike legacy solutions, policies aren't tied to IP addresses or brittle network constructs that can't adapt to pharma's dynamic nature. Elisity translates pharmaceutical security policies into efficient controls enforced by your existing network infrastructure, making it the highest-performance, simplest-to-integrate microsegmentation platform available for pharmaceutical organizations.

Elisity Microsegmentation Platform

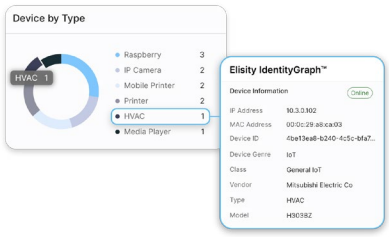
Elisity Cloud Control Center

Centralized management console providing visibility, policy configuration, and analytics. Utilizes AI and machine learning to adapt to network changes.



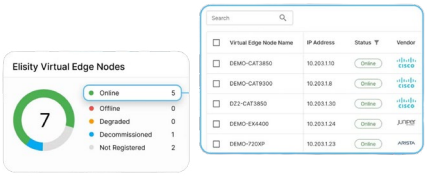
Elisity IdentityGraph™

Creates a real-time, correlated visibility of user, workflow, and device metadata and relationships across the network, enabling teams with the confidence needed to create policies.



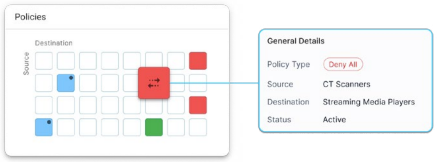
Elisity Virtual Edge

Translates identity mappings and policies to your network infrastructure. Supports normalization of policies across multiple vendors, multiple sites.



Elisity Dynamic Policy Engine

Enables the creation and enforcement of dynamic, context-aware policies based on the rich identity information provided by IdentityGraph™. Ensures granular control over network access.



Your Environments

Elisity enforces least privilege access policies with your existing BioTech / Labs / Pharmaceutical networks using Cisco, Juniper, Aruba, Hirschmann or Arista switches—without agents on sensitive lab equipment, new hardware, ACLs, additional VLANs, or re-IPing projects that could disrupt critical drug production.

Beyond our core platform, Elisity gains deeper insights into researchers, manufacturing workloads, and devices by integrating with your laboratory tech stack via APIs. Seamless connections with Claroty, Armis, and other security and management platforms like ServiceNow and Active Directory aggregate data from all available sources, creating a valuable dataset for dynamic policies that truly understand pharmaceutical environments.

50+ Integrations

CLAROTY · DRAGOS · ARMIS · Microsoft Active Directory · CROWDSTRIKE · SentinelOne · tenable · servicenow

Average Elisity Implementation Time

Designed to be implemented in weeks, without downtime

2 WEEKS
- Planning and Training

2 DAYS
- Deploy Configure Virtual Edge
- 1st Policy

1 WEEK+
- Policy Strategy
- Simulation
- Rollout

"We made more progress in 2 days with Elisity than we did in 2 years with our previous solution."

Bryan Holmes,
Director of IT Security at Andelyn Biosciences

Andelyn BIOSCIENCES

Elisity vs Legacy Pharma Microsegmentation Implementations

Elisity is a powerful microsegmentation platform purpose-built for pharmaceutical environments, delivering comprehensive security benefits for drug manufacturers, research labs, gene therapy facilities, and distribution centers with critical production assets to protect. The platform enables pharmaceutical organizations to rapidly implement identity-based security policies across their entire manufacturing network infrastructure without disrupting drug production or laboratory workflows.

	Firewalls, VLANs/ACLs	Host Firewalls or Agent-based Solutions	ELISITY	Proxy Cloud Based
Gapless coverage (Endpoints, Servers/ VMs, IoT/OT/IoMT)	✗	✗	✓	✗
Native discovery of users and devices	✗	✗	✓	–
Visibility and context enrichment	✗	–	✓	–
Dynamic policy automation	✗	–	✓	–

Elisity Benefits and Use Cases

99% discovery and visibility of all pharma users, workloads and devices (IoT, OT, Lab)	• **Pharmaceutical Attack Surface Coverage** (Cover manufacturing IT, OT, and lab systems) • **Comprehensive Manufacturing Visibility (See enriched insights for researchers and lab devices)** • **Faster Production Incident Response (Real-time containment preserving drug production)**
Limit the blast radius, contain pharmaceutical breaches	• **Lateral Movement Prevention (Block tactic used in 70% of successful pharma breaches)** • **Pharmaceutical Ransomware Protection (Stop spread across production systems)** • **Pharmaceutical Cyber Insurance Premium Reduction (Lower premiums by 20%+)** • **Prevent Credential Escalation Attacks (Protect manufacturing systems from access gaps)**
Protect Intellectual Property (IP)	• **Prevent Trade Secret Exfiltration (Block insider threats and protect drug formulas)**
Prevent Production Downtime	• **Stronger Manufacturing Resilience (Prevent disruption to critical drug production systems)**
Continuous Manufacturing Policy Hygiene	• **Centralized Production Policy Management (Manual and automated across pharma networks)** • **Dynamic Policies (Adapt to risk reports and FDA guidance changes)**
Pharmaceutical Compliance and Regulations	• **Faster FDA 21 CFR Part 11 Audits (Push-button compliance reports)** • **Accelerated Pharma Zero Trust (Centralize least privilege across production environments)**

Let's Discuss Your Microsegmentation Plan — Learn More and BOOK A DEMO