

## CASE STUDY

# Laboratory Testing Firm Gains Instant Expertise With Binary Defense's MDR Solution



## Customer Profile

A global leader in providing laboratory testing services to a diverse range of industries. As a leader in laboratory testing, this company employs thousands of individuals across hundreds of locations, serving a vast customer base with the mission of making the world a better place.

## Challenges

As a global laboratory testing company serving diverse industries, its small security team struggled due to limited resources, expertise, and manpower. They knew they needed outside expertise to strengthen defenses and optimize underutilized security tools. To achieve their goals, they required a MDR provider who could quickly understand their environment and industry-specific nuances and efficiently implement, tune, and monitor an Endpoint Detection and Response (EDR) tool.

## Solution

Managed Detection & Response (MDR)

## Results

Offloaded the burden of implementation, developing a custom detection strategy, tuning and monitoring of their EDR

Increased coverage and visibility by deploying an EDR tool on over 1,000 endpoints

Optimized underutilized security tools

Implemented a USB control to reduce the risk of data breaches and unauthorized access.

Bolstered employee retention through knowledge transfer from Binary Defense expertise to internal teams

## Challenges

As a laboratory testing company serving diverse industries worldwide, its small security team struggled to keep up due to limited resources, expertise, and manpower. The security team knew it needed outside expertise to fortify its defenses and optimize underutilized security tools. To achieve their goals, the Laboratory Testing Company required an experienced analyst who could swiftly gain a comprehensive understanding of their environment and industry-specific nuances and efficiently implement, tune, and manage an EDR across over 1,000 endpoints. This presented a significant challenge for the organization, as hiring and training new staff can be time-consuming and expensive. Furthermore, identifying a candidate with the necessary expertise and a deep understanding of their unique environment became increasingly difficult. Their organization frequently underwent mergers and acquisitions and recognized the need to strengthen its security posture to guard against threats. These activities posed unique security challenges, complicating their efforts to expand the internal team while striving to achieve their objectives.

## Solution

The Laboratory Testing Company partnered with Binary Defense to implement its Managed Detection and Response (MDR) solution, for 24x7x365 monitoring and to augment their internal security team. Binary Defense took a comprehensive approach to identifying the right analyst for the organization by thoroughly understanding the company's environment, goals, and technology stack. Binary Defense analysts provided the organization with cybersecurity expertise tailored to the organization's specific needs, allowing them to scale their cybersecurity team dynamically to meet project demands, respond to critical events, and provide ongoing support. Binary Defense seamlessly integrated top-tier talent into the

organization's existing operating models, enabling analysts and engineers to work closely with the security team as a trusted defense partner. This collaboration aided in comprehensive investigation, response, and remediation while fostering the development of new detections and driving operational maturity forward.

## In Action

Binary Defense's objective was to enhance the Laboratory Testing Company's security by leveraging the untapped capabilities of the clients existing tools. This involved identifying features within the company's existing tools that were underutilized. Binary Defense detection engineering team created and enforced a USB control policy to enhance the Laboratory Testing Company's security without requiring additional investment in new tools. By utilizing the company's current toolset, the analyst

established a policy to prevent unauthorized USB usage. This policy was implemented within approximately three weeks, demonstrating the efficiency and effectiveness of Binary Defense's approach. Following the USB control policy's implementation, the company saw significant improvements in its ability to approve and track USB usage. The policy included auto-response capabilities to enforce blocks, alerting and notification configuration, and a streamlined investigation process. These measures reduced the risk of data breaches and unauthorized access. While Binary Defense's Managed Detection & Response (MDR) solution provided the laboratory testing company with rapid response capabilities, the dedicated analyst's expertise and advanced threat detection technology enabled the company to respond swiftly to potential threats.



## Results

One of the first tasks the detection engineering and implementation team undertook was tuning the Laboratory Company's EDR environment to increase visibility on over 1,000 endpoints. This involved configuring the system to optimize its performance and ensure it could detect and respond to threats effectively. After gaining a deep understanding of the unique nuances and complexities of the Laboratory Testing Company's industry, the detection engineers and implementation team shared their expertise with the company's internal team. They closely collaborated with them to train on the newly established EDR and processes. This training empowered the internal team by expanding their knowledge and boosting their confidence in managing their environment. This approach ensured long-term sustainability and resilience against threats. The collaboration between Binary Defense and the laboratory testing company went beyond immediate problem-solving. Binary Defense continually transferred knowledge and expertise to the internal team, sharing best practices, conducting workshops, and providing ongoing support. The outcome was a more knowledgeable and capable internal security team, which fostered a sustainable work-life balance and helped the Laboratory

Testing Company retain talent. Additionally, the Laboratory Testing Company leveraged Binary Defense to gain visibility into potential vulnerabilities during the M&A process. Binary Defense analysts expertise ensured that the company could identify and mitigate risks associated with integrating new entities into its security ecosystem. This proactive approach to M&A cybersecurity allowed the Laboratory Testing Company to maintain a strong security posture while expanding its global presence. Ultimately, Binary Defense helped the Laboratory Testing Company achieve its goals efficiently while alleviating the burden on its internal team. The partnership with Binary Defense provided the company with instant expertise, allowing them to scale their cybersecurity capabilities and stay ahead of emerging threats in an everchanging industry landscape.

1,000+ endpoints had an EDR tool deployed onto them by Binary Defense

## In Conclusion

The benefits of partnering with Binary Defense extended far beyond immediate improvements. The Laboratory Testing Company gained long-term readiness and resilience against evolving threats. The knowledge transfer and ongoing support ensured that the company could adapt to new challenges and maintain a strong security posture. Having the right expertise and support is crucial when your business is evolving and growing. Binary Defense has transformed the Laboratory Testing Company's security posture, providing them with the expertise, tools, and confidence they needed to succeed. By leveraging Binary Defense's MDR solution, the company gained instant expertise and built a resilient security program that can withstand the test of time.

Binary Defense is a trusted leader in Managed Detection and Response (MDR), helping organizations across industries stay ahead of modern cyber threats. Our team of SOC analysts, threat hunters, detection engineers, and researchers works around the clock to deliver outcomes that matter: earlier threat detection, faster response, and stronger long-term security.

We take an attacker's mindset to defense, combining deep expertise with proactive tradecraft to protect what matters most.

Learn more at [binarydefense.com](https://binarydefense.com), explore our [blog](#) for the latest insights, or follow us on [LinkedIn](#).

600 Alpha Parkway, Stow OH 44224  
[sales@binarydefense.com](mailto:sales@binarydefense.com)



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