

CASE STUDY

Sustainable Energy Company Automates Compliance & Regulatory Testing Requirements

Challenge

This sustainable energy company was formed and tasked with developing its security infrastructure from the ground up. The team needed to rapidly implement tools and processes to support business operations while safeguarding critical systems.

While significant effort went into developing manual penetration testing services, these efforts alone could not keep pace with the company's evolving security needs. Two primary challenges emerged around compliance and security controls.



Continuous testing for compliance requirements

As a critical infrastructure organization, the organization must follow the compliance requirements of various regulatory bodies. One of those requirements is continuous testing of networks deemed to be in scope. The security team had difficulty adhering to these requirements with manual penetration tests because they are labor-intensive and only provide point-in-time snapshots of the organization's security posture.



Visibility of global security controls and policies

The company is an international organization with employees in about 90 countries. The company applied the same security controls and policies throughout the organization, but the team did not have enough manpower to validate them quickly with manual penetration tests.

The organization required a tool that could scale the team's penetration testing cost-effectively and efficiently to quickly build up its security validation program and reduce risk against a cyberattack.

Overview

| | |
|--------------|-------------------------|
| Industry | Critical Infrastructure |
| HQ | EMEA |
| Company Size | 10K+ |



Cymulate is like the parent in the room. It makes sure the rest of your security tools are doing their jobs and protecting you while highlighting where there are gaps.

– Manager for Cybersecurity Architecture and Engineering

Solution

- Cymulate Exposure Validation

Results

- Fulfill compliance requirements
- Continuously validate security controls
- Automate penetration testing

The Cymulate Solution

To strengthen and automate its security processes, the security team implemented Cymulate Exposure Validation. According to the Manager for Cybersecurity Architecture and Engineering, the platform enables them to meet regulatory testing requirements, gain visibility into security controls and policies, automate penetration testing, and evaluate the SOC's incident response.

Fulfill regulatory requirements for security testing

"One of our regulatory requirements is continuous testing. We can now easily fulfill this with Cymulate BAS and its automated testing."

Gain visibility of security controls and policies

"All security services in every corner of our organization had to be built up from scratch. Cymulate gives us end-to-end visibility to understand if our security controls and policies are working as expected in the different environments throughout the organization."

Automate and scale offensive testing

"My penetration testing team uses Cymulate to augment its penetration testing services and expand its efforts beyond targeted testing."

Test SOC and incident response

"We use Cymulate to simulate attacks and evaluate our SOC's (Security Operations Center) response. It allows us to validate that our tools and alerts are working and understand if our incident response processes need improvement, so that we are prepared in the event of a real attack."

Benefits

The Cymulate Platform delivered on the company's core needs for security validation with additional benefits across its exposure management program.

- **Remediation prioritization** – The Cymulate simulations highlight the gaps and misconfigurations that could be exploited in each environment, enabling the security team to prioritize its remediation efforts where the risk is most significant.
- **Increased penetration testing** – Instead of outsourcing some of its penetration tests, the in-house red team scales its testing with the platform's automation, which helps ensure resiliency across the entire organization.
- **Security performance tracking** – Cymulate provides the company with a security baseline for continuous improvement to measure and track performance.

About Cymulate

Cymulate, the leader in exposure management and security validation, provides the single source of truth for threat exposure and the actions required to close security gaps before attackers can exploit them. More than 500 customers worldwide rely on the Cymulate platform to baseline their security posture and strengthen cyber resilience with continuous discovery, validation, prioritization, and guided remediation of security weaknesses. Cymulate automates advanced offensive security testing to validate controls, threats, and attack paths. As an open platform, Cymulate integrates with existing security and IT infrastructure and drives the workflows of the exposure management process. For more information, visit www.cymulate.com.

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