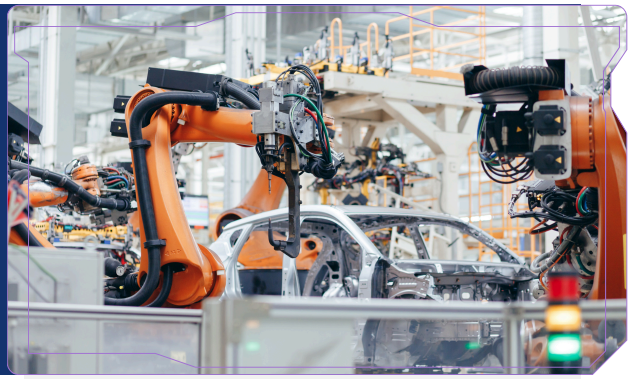
# CUSTOMER TESTIMONIAL

## Automating Detection Engineering and Continuous Control Validation for Global Auto Manufacturing



## OBJECTIVES

A global automotive manufacturer sought to modernize how its detection engineering team validated production security controls, while keeping pace with emerging threats and continuously verifying that firewalls, DLP, EDR, and SIEM behaved as expected in real-world conditions.

## SOLUTION

The organization deployed SCYTHE, the Adversarial Exposure Validation (AEV) platform, to automate detection engineering and continuously validate production security controls.
Key capabilities included:

- Flexible test authoring to model new threats and expected control behavior
- Automated scheduling and continuous execution in production
- Validation of alerts, blocks, and correlations across multiple tools through SCYTHE Connect
- Native integration with ticketing and workflow systems
- Centralized reporting for coverage, failures, and regressions

## THE RESULTS

### Detection Engineering Productivity

The team increased continuously executed detection tests by 4×, reduced test authoring from days to under an hour, and automated more than 80% of routine validation.

### Coverage & Control Validation

Continuous testing increased ATT&CK coverage to over 75% and validated more than 100 control behaviors weekly.

### Detection Quality & Reliability

Detection success rose above 90% and dozens of previously unknown gaps were uncovered and remediated.

### Operational Efficiency

Re-test cycles dropped from weeks to under 24 hours, while automated ticketing reduced this customer's detection MTTR by over 60%.

## AT A GLANCE

### Challenges

- Manual testing scalability
- Incomplete validation
- Slow regression cycles
- Limited operational feedback & alerts

### Benefits

- 4× increase in coverage
- 80% controls validation automated
- 60% reduction in detection MTTR
- <24 hr to re-test

Results reported by this customer.



*"We needed to continuously prove our detections worked in production, not just during periodic testing.*

*Automation now gives us measurable confidence in our controls and much faster feedback when something breaks."*

**Director of Detection Engineering, Global Automotive Manufacturer**