

Hardware and integrated systems pentesting: automotive

Identify security issues on vehicles and gain recommendations to improve the systems at any stage of automotive development

The most trusted products, services, and brands are secured by NetSPI

The challenge

In 2023 critical and high vulnerabilities [in the automotive industry] accounted for nearly 80% of total Common Vulnerabilities and Exposures (CVEs), up from 71% in 2022.¹

Today's automotive industry has reached a critical inflection point. Cybersecurity incidents have grown significantly in frequency as well as impact. The ability to identify security issues on vehicles at any stage of automotive development such as vehicle manufacturers, component suppliers, or OEM and aftermarket software and hardware providers is more important than ever before.

The technological design of a standard car contains multiple electronic control units (ECUs), with some luxury models containing hundreds of these units. Each one of these systems can contain up to 100 million lines of code. In an industry where a single mistake puts lives on the line, it is critical that organizations take a strategic approach to automotive cybersecurity – and related systems and applications – before malicious adversaries can cause harm.

The solution

NetSPI's hardware and integrated systems pentesting includes a service specifically designed for use cases in the automotive industry, delivered on The NetSPI Platform. Our technology, process, and human intelligence help you discover, prioritize, and remediate what matters most. NetSPI security experts have decades of testing experiences as well as a deep understanding of the automotive Threat Analysis and Risk Assessment (TARA) methods to ensure the standards such as ISO 26262-1:2018, ISO/SAE 21434, R155, and R156 aren't just met, but exceeded.

Discovery of potential automotive security risks

Evaluation of attack vectors leveraging technology and human intelligence



"In 2023 the proportion of incidents with a high or massive impact dramatically doubled to nearly 50%"

Upstream Global 2024 Automotive Cybersecurity Report

NetSPI



You deserve The NetSPI Advantage



250+ In-house security experts



Intelligent process



Your proactive security partner

NetSPI is the proactive security solution used to discover, prioritize, and remediate security vulnerabilities of the highest importance. NetSPI helps its customers protect what matters most by leveraging dedicated security experts and advanced technology, including Penetration Testing as a Service (PTaaS), Attack Surface Management (ASM), and Breach and Attack Simulation (BAS).