Capability Statement

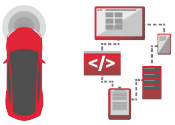
Building great solutions for automotive cybersecurity to keep vehicles safe.

Core Services

Vehicle Cybersecurity Labs

Our vehicle cybersecurity labs are fully equipped to perform our testing services. We receive a vehicle, system, or component into our lab, familiarize ourselves with the functions, demobilize it, and then execute tests with a strong focus on delivering work products for ISO/SAE 21434 and UNR 155.

- Vehicle, System, and Component Penetration Testing
- Vehicle, System, and Component Fuzzing
- Verification & Validation-as-a-Service (VaaS)
- Vehicle Cybersecurity Lab Buildout



Vehicle Security Operations

We offer the ability to act as your security team for less cost than building your own. Our team of experts have wide-reaching knowledge from our various automotive customers. We'll leverage that knowledge to operate managed services that lets you focus on what you're good at, and lets us do what we're good at: vehicle cybersecurity.

- Vehicle Security Operations Center (VSOC)
- Threat Analysis & Risk Assessment (TARA)
- Vehicle Cybersecurity Management System (CSMS)

Vehicle Cybersecurity Consulting

We're experts at solving new, hard cybersecurity problems. We can help companies develop custom solutions such as secure architecture & design, cybersecurity training, research, testing, and secure software development.

- ISO/SAE 21434, UNECE WP.29, & More

Key Successes

Successfully implemented 24/7 cloud-based security operations center focused on the connected dealership ecosystem to keep drivers safe from threat actors for Stellantis.

Operate an automated security regression testing environment for vehicle and cloud cybersecurity for an automaker.

Support several automakers with cybersecurity conformance and compliance, ranging from ISO/SAE 21434/UNECE WP.29 and TISAX to UL2900 and GPR.

Designed security architecture for a cloud-based automaker remote vehicle diagnostics system, from embedded device security to securing intrusive diagnostics in transit to cloud security.

Perform TARA-as-a-service in volume for several automakers and automotive suppliers to support documentation necessary for UNECE WP.20.

Act as integrated security team for suppliers to address OEM automaker cybersecurity requirements in component development, including regular penetration testing.

Single-source supplier for consistent, holistic penetration tests, V&V, fuzzing, and other ISO/SAE 21434 services for several major automotive companies.

Differentiators

Vehicle System Knowledge: Block Harbor gets it. Vehicle cybersecurity requires people that know and understand vehicle systems. Some of our first and largest projects were around cloud-based vehicle diagnostic systems for an automaker, where we focused on cybersecurity end-to-end: the vehicle, the vehicle communication interface, and the cloud infrastructure.

Regulatory Landscape: As the vehicle cybersecurity space has unfolded, Block Harbor's focus has been on delivering meaningful solutions that solve the real headache: work products for regulations. We get that everyone's end goal is a secure vehicle, but it needs to be done in a structured and repeatable way to meet standards and regulations. All of our solutions are driven by ISO/SAE 21434 and UNECE WP 29.

Years of Experience: Block Harbor was founded in 2014, the same year the Jeep Hack jump started the industry. Over the years, we've been accumulating experience with different automakers and suppliers in vehicle cybersecurity for this particular purpose: to help our customers into the future of a standardized and regulated landscape. You can be sure that our solutions and guidance are based on a unique base of knowledge that few others in the automotive cybersecurity space offer.

Automation: Vehicle cybersecurity doesn't work if it is a manual process powered by teams of hundreds. We recognize that delivering a software update or security patch inside of a structured process like ISO/SAE 21434 is intentionally slow. However, attackers and researchers aren't going to wait for you to check all of your boxes. That's why we're relentlessly focused on automating repetitive work in the vehicle cybersecurity engineering process to ensure vehicles are secure and stay secure.

Solutions

Breakwater.

Automated Vehicle Cybersecurity Validation & Verification Test Execution Platform

Harbormaster.

Vehicle Cybersecurity Validation & Verification Testing Management Platform

Harborview.

Vehicle Cybersecurity Engineering Analytics

Company Profile

Established in 2014 in the wake of highly publicized automotive exploits, Block Harbor was founded on the basis that the automotive industry's biggest need would be services to support vehicle cybersecurity. We're experts at detailing and executing complicated projects with tight deadlines, especially as it pertains to securing cyber-physical systems. Our area of focus is automating repeated tasks vehicle cybersecurity engineering to ensure vehicles are secure and stay secure. We're using use the experience we've gained over the years to build great solutions in automotive cybersecurity to keep mobility safe. We believe in a world where code and people can coexist safely.

SOME OF OUR CUSTOMERS

Ford

STELLANTIS

DENSO

GENTHERM

Est. 2014
Headquarters: Detroit, MI

DUNS: 058381535
CAGE: 86k36
NAICS: 518210 541380 541511 541512 541513 541519 541611 541690 561621

Block Harbor. Cybersecurity

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OUR PARTNERS

TÜV SÜD, itemis, KEYSIGHT TECHNOLOGIES, DANLAW, OMNEX, CLOUDFLARE