



① About Us

Founded in 2016, CYMOTIVE Technologies bundles a unique combination of expertise and experience to deliver cutting-edge innovations for advanced end-to-end security solutions, protecting the smart mobility of today and tomorrow from cyber threats. CYMOTIVE clients, automobile manufacturers and Tier-1

suppliers, benefit from holistic security solutions covering the whole digital ecosystem of a vehicle at every stage of its lifecycle. The company is run by top-tier Israeli security experts Yuval Diskin, Tsafir Kats, and Dr. Tamir Bechor. Currently the company employs 120 security experts at three locations in Israel and Germany.

➔ The Purple Approach

The Purple Approach, our approach to problem solving, combines offensive security and analytical thinking from our red team of cybersecurity researchers and cybersecurity architects, together with algorithmic thinking and development of security measures by our blue team of cybersecurity system engineers and software engineers.

By “attacking” to identify risks and vulnerabilities from the red side, and “protecting” by implementing security controls from the blue side, CYMOTIVE is formulating ideal end-to-end solutions and methodologies, in order to ensure that every security challenge is tackled with a comprehensive and systemic manner. This unique combination of opposite perspectives and techniques has proven itself time and again as the most effective in dealing with challenges in the cybersecurity ecosystem, and it gives CYMOTIVE an undeniable edge in the race towards a mobility cyber-safe environment.



★ Why Us?

1. Proven Technology: Our products are already integrated in over 1 million vehicles.
2. End-to-End: Our technology is coping with the challenges of the digital mobility ecosystem.
3. Purple: Unique offensive–defensive expertise under one roof.
4. Customized: Our solutions are thoroughly tailored to meet your business needs.
5. Compliance: We comply with regulations and automotive standards such as UNECE, GBT, ASPICE, AutoSAR, ISO 9001, ISO 90003, and more.
6. Selected by #1 Automaker: CYMOTIVE is the trusted security partner of the Volkswagen Group.
7. Combined Expertise: Israeli fast-paced innovation with German economy of scale in the automotive ecosystem.

Product & Service Portfolio

Security Architecture Risk Assessment

Plan and design fundamentally secured in-vehicle and vehicle ecosystem architectures, or secure existing architectures using our expertise.

Security Concept

Produce detailed and low-level security controls which implement in-vehicle and the vehicle's ecosystem a secured architecture.

Analysis Platform (IEP)

Build a reliable backend infrastructure to collect, analyze, and investigate real-time vehicle data from your fleet in order to identify attempted or successful cyberattacks.

Intrusion Reaction System

Neutralize and contain in-vehicle cyberattacks using sequences of management commands to enable investigation and mitigation procedures. Apply with ease and rollback at convenient times.

Security Code Review

Examine your source code to ensure it is clear of security vulnerabilities such as format string exploits, race conditions, memory leaks and buffer overflows, thus improving your software security.

Security Guidance

Learn to plan and implement cybersecurity strategy within your organization, using concepts of secure by design, secure development, and procedures needed to detect and mitigate threats.

Risk Assessment

Perform deep analysis of your vehicle and its ecosystem, identify and evaluate risks and cyber threats, and obtain set of required security measures to meet your business needs.

Security Controls

Develop and integrate procedural, technical and compliance controls as countermeasures in order to detect, prevent, mitigate, or counteract to security risks.

Attack Research Lab

Perform end-to-end investigation to create baselines, realizing cyberthreats and responding to cyberattacks, protecting connected vehicles, services and fleets with our professional analysts.

Security Review and Testing

Validate functions in order to meet the security requirements defined in the security specifications.

CYMOTIVE CSMS

Accelerate your cybersecurity governance and compliance using a singular system to plan, manage, automate, monitor and measure your cybersecurity processes, activities and readiness.

Clarity

Narrow down potential attack vectors using comprehensive automated end-to-end security testing capabilities, tailored specifically for the automotive industry's needs.

Security Requirements

Obtain fully specified technical requirements as part of PRD (product requirements document), defining the security measures to implement in order to reach proper functionality.

Intrusion Detection System

Monitor and detect in-vehicle anomalies based on predefined rules and algorithms.

CarAlert

Map and manage vulnerabilities in your fleet including software packages and ECUs. Measure overall security and business implications to arrive at optimal decision making.

Penetration Testing

Use function-based or component-wise advanced hardware and software hacking techniques to identify missing requirements, faulty implementation and incomplete testing.

Auditing Service

Measure your performance to achieve compliance with all relevant vehicle cybersecurity laws, policies, and regulations.

Additional Information

For more information, please visit www.cymotive.com
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