

## Automated Security and Penetration Testing

### The New Standard in Automotive Cybersecurity

CYMOTIVE'S CyClarity is an automated security and penetration testing framework specifically designed to tackle the complexities of protecting vehicles and fleets in a cost and time efficient approach, enabling successful completion of homologation processes. Over the past decade, CYMOTIVE's cyber experts have collaborated closely with leading OEMs and Tier 1 suppliers, securing every stage of the vehicle lifecycle.

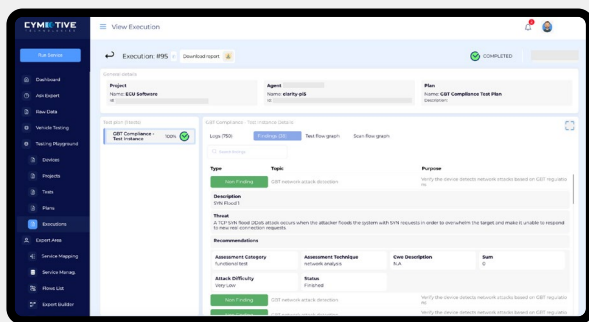
### Navigating the Complexity of Modern Vehicles

Today's vehicles are intricate systems composed of numerous ECUs, communication protocols, vehicle interfaces, safety systems, and post-production systems.

CyClarity addresses these complexities by identifying vulnerabilities, misconfigurations and security issues. It provides comprehensive scanning and analysis of all IoT systems, including ECUs, HiLs, test vehicles, mobility clouds, and mobile applications, enabling effective risk mitigation.

**Drive into the future with confidence, powered by CyClarity**

## CyClarity Automated Security and Penetration Testing



**Analysis Dashboard**



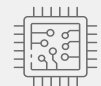
**Dynamic Automated Security Validation**



**Fleet**



**Services**



**Components**

### About CYMOTIVE Technologies

CYMOTIVE Technologies was co-founded in 2016 by the VW Group and top-tier Israeli security experts. It now provides preemptive cybersecurity solutions to major car manufacturers and top-tier suppliers.

**PATENT PROTECTED**

## Key Features and Benefits

### Testing Automation

Offers an automated testing framework with clear reporting, allowing for rapid identification of threats with minimal effort.

### Customizable Testing

CyClarity's Expert Builder module enables easy-to-use building blocks to generate fully customizable and advanced tests.

### Comprehensive Coverage

Options available for end-to-end visibility of either cloud-based or vehicle-based systems, both ensuring thorough testing across all vehicle components and vehicle cloud services.

### Integration into CI/CD

Seamlessly integrates into the continuous integration/continuous deployment chain during the software development lifecycle, ensuring a high level of security is maintained throughout development.

### Regulation Compliance

Enables successful compliance with homologation process according to UN-R155 and GB.

## Real Vehicle Testing for Real Results

Excels in real vehicle testing environments, fortifying vehicle security for homologation processes and highlighting security issues. The advanced scanning capabilities provide a comprehensive view of all automotive systems, for a higher level of security.

## Efficient and Cost-Effective

Allows you to easily perform automated testing revalidation and re-run tests throughout the lifecycle of your automotive software development to save on costs and time over traditional manual testing methods by 20-40%.

## Experience CyClarity Today

Embrace the future of automotive cybersecurity with CyClarity. Continuously ensure your vehicles are secure and compliant with regulations.

## The Integrated Testing Process



### DISCOVERY

- Mapping (CAN, ETH, Bluetooth, USB & WiFi)
- Scanning



### CUSTOMIZED TEST CREATION

- Expert Builder - building block custom tests
- Derived from security concept (Static)
- Derived from system capabilities mapping (Dynamic)



### DETECTION

- Smart Fuzzing
- Vulnerabilities & Attack Detection (CAN, Bluetooth, USB, Linux)



### REPORTING

- Advanced dashboard
- Multiple export formats
- Compliance findings display

