SELF-HEALING SOFTWARE
FOR CONNECTED CARS

Aurora Labs' Self-Healing Software enables car manufacturers to proactively respond to future vehicle software architectures, processes and services. By giving the car manufacturers the power to seamlessly detect potential software issues, fix, update and validate them - we're making the world of connected cars more predictable.

auroralabs.com

AURORALABS
SELF-HEALING SOFTWARE

FUTURE-PROOFING CONNECTED VEHICLES

The automotive world is on the cusp of a revolution, with software and connectivity becoming an integral part of conducting business. The management of in-vehicle software development has become increasingly important due to its size and complexity and increasing pressures for ever-shorter development cycles. Comprehensive software management is essential for automakers who want to capitalize on the full business potential of connected cars by enhancing the driver experience, enabling post-production revenue, cutting costs through improved efficiency, decreasing risk and reducing recalls. Our technology fills a crucial role, enabling innovation, security and continuous development without compromising on safety in the increasingly software-reliant automotive industry.

WE ADDRESS ALL FOUR STAGES OF VEHICLE SOFTWARE HEALTH

Aurora Labs' Line-Of-Code Behavior™ technology is the foundation of its In-Vehicle Software Management solution. Using machine learning algorithms to uniquely address all four stages - detect, fix, update and validate - of a software health solution, Aurora Labs future-proofs the next generation of software-driven automotive features. From detecting line-of-code faults to predict downtime events, fixing errors on-the-go to provide a safety-net for new software rollouts, enabling reliable and cost-effective rollouts of new automotive features to all ECUs in the vehicle without any downtime for the user and validating changes to the software to facilitate homologation, Aurora Labs is paving the way for the age of the self-healing car.

ENABLING CONTINUOUS USER-CENTRIC AUTOMOTIVE SOFTWARE ROLLOUTS

PROACTIVE CAR DIAGNOSTICS & ANALYTICS

Proactively analyses SW health, detects and identifies software vulnerabilities and collects data regarding lines of code behavior for diagnostics departments

SEAMLESS CAR UPTIME

Seamlessly recovers product functionality even in the event of a software failure

FUTURE PROOF CAR FEATURES

Guarantees that all car software will be updated anytime in the future, including software fixes, new functionality and security updates

HOMOLOGATION EVIDENCE

Supplies runtime evidence to prove which code has been changed, added or affected for Type Approval and Homologation

COMPANY SNAPSHOT

Seed **$3M, Q1 2017**

A Round **$8.5M, June 2018**

HQ:
Tel Aviv, Israel

Offices:
Munich, Skopje and Detroit

Investors:
FMC, MizMaa Ventures, Maniv Mobility, Trucks, Expansion Venture Capital

LINE-OF-CODE BEHAVIOR™ TECHNOLOGY

In an era where software platforms are driving growth and line-of-code malfunctions, either malicious or incidental, are causing major recalls and downtime to vehicles, Aurora Labs' researchers have developed a machine learning based technology for embedded software, a Line-Of-Code Behavior™ technology that is the foundation of our In-Vehicle Software Management solution

AUTO DETECT

Proactively analyses the health and performance of lines-of-code deployed on Automotive ECUs

AUTO FIX

Rolls back software to the last known secure, functional and certified line-of-code safe point without requiring dual memory or connectivity

AUTO UPDATE

OTA Update software to close the loop with a clientless hot update solution with zero downtime

AUTO VALIDATE

In-Vehicle dynamic software signature of functionality relationships

THE KEY TO CONNECTED CAR
PREDICTABILITY AND PROFITABILITY

AURORALABS