Axivion for Automotive Software Development
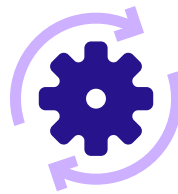
Scale Compliance and Ensure Freedom from Interference

Compliance

Meet the highest standards and guidelines of the automotive industry and verify compliance with:
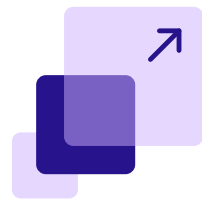
- ISO 26262*
- AUTOSAR C++14
- Classic AUTOSAR
- MISRA C/C++
- ASPICE
- CERT
- CWE
- Custom rules

Maintainability

Keep your system structure clean, automatically:

- Identify violations to architectural intent as they happen
- Automate architectural checks from ARXML files
- Catch dead code before it ships
- Identify software erosion and manage technical debt
- Segment safety and security views within a unified environment

Safety at Scale

From microcontrollers to multi-domain ECUs, we scale with your project:

- Supports Classic and Adaptive AUTOSAR environments
- Designed for use across distributed development teams
- Integrates into CI/CD workflows without disruption
- Accelerate safety certification timelines with built-in traceability

"We have evaluated several static analysis tools, and Axivion Suite clearly stood out in our tests. The tool performed best in terms of AUTOSAR C++14 coverage and convinced us through its ease of use, control flow, and data analysis, and report generation."

— Apex.AI

Learn more:
www.qt.io/axivion-automotive

Axivion Suite

Your All-In-One Solution for C, C++, C#, and CUDA

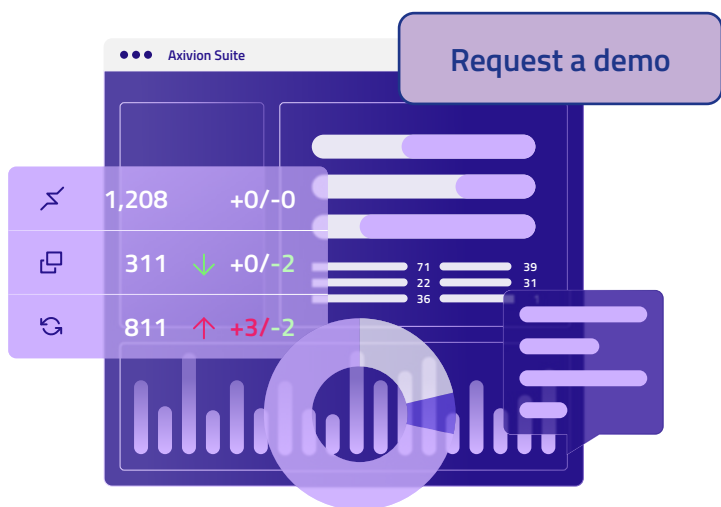## Stop Choosing Between Innovation and Safety

Balancing innovation with regulation is a crucial challenge in automotive software development for maintaining a competitive advantage. Identifying defects early is essential for preventing costly recalls and ensuring vehicle safety. But how do you accelerate innovation while guaranteeing absolute compliance and quality?

Axivion Suite provides the answer with an automated software verification platform for the automotive industry. It moves beyond simple error checking to protect your entire software architecture. It brings together static code analysis and architecture verification to enforce coding standards directly within your team's workflow, smoothing the path to certification and ensuring compliance.

Axivion keeps your architecture and codebase clean and maintainable, so it's ready to scale for the next generation of vehicle features and capabilities.

Ideal for Software Defined Vehicles (SDV)

- ☑ ADAS
- ☑ ECUs
- ☑ Functional Safety Systems
- ☑ Multi-Domain Controllers
- ☑ In-Vehicle Infotainment

Cycle Detection

Architecture Verification

Dead Code Analyses

AXIVION SUITE

Clone Detection & Clone Management

Coding Guidelines & Defect Detection

Metric Monitoring

33% less time spent on fixing technical debt

Request a demo

Axivion Suite

1,208	+0/-0	
311	↓	+0/-2
811	↑	+3/-2

Accelerate time-to-market without sacrificing software quality.

Ensure consistent compliance with leading safety guidelines and industry standards.

Increase your ROI by optimizing your development efficiency across teams and products.