

Android Automotive Expertise

Ushering in a New Era of In-Vehicle Experiences.

Acsia's Android Automotive capabilities cover the entire stack including Human-Machine Interface (HMI), vehicle networking, system health, connectivity, storage & persistence, display video & graphics, and more.

Customized Android Automotive Platform Development

Expertise in adapting Android Automotive to OEM-specific use cases in audio, media, power management, ethernet, Bluetooth, and persistence domains.

Virtualized Android Platform Development

Enabling SW development without having target HW.

Advanced Driver-Assistance System (ADAS) Integration

Drive flawless communication and data exchange between OEM's Android IVI system and ADAS features, enhancing safety and driver experience.

CI/CD/CT Infrastructure

Enables faster rollout of features and a shift left approach in development with early detection of bugs. Over-the-Air (OTA) Updates: OTA updates, keeping software current and addressing potential issues remotely.

Human-Machine Interface (HMI) Application Design & Development

Create an intuitive and visually appealing HMI layer that integrates seamlessly with the Android experience,

prioritizing driver focus and safety. In-house developed automated HMI testing application that can be integrated into CI/CD/CT pipelines.

Over-the-Air (OTA) Updates

OTA updates, keeping software current and addressing potential issues remotely.

Optimization for OEM HW and SoC

Vast experience optimizing graphics, display, drivers, and startup for SoC; OEM-specific HW adaptations and integrations with vehicle sensors.

Security & Compliance Expertise

Expert guidance in ensuring OEM Android Automotive system adheres to industry security standards and regulatory requirements.

App Store Management & Curation

Support OEM to curate a relevant and engaging app selection for the in-vehicle app store, catering to the specific needs and preferences of the target audience.

Google Mobile Services (GMS) Certification

Deep knowledge in developing a platform adhering to CDD (Compatibility Definition Document) and automated test suites (CTS, VTS) to obtain certification ensuring an exceptional user experience.

Why Acsia?



Since 2017 with AAOS

Acsia has delivered Android Automotive projects since its launch by Google and Intel in March 2017.



Android Centre of Excellence

An in-house platform team focusing on productizing the AAOS platform stack (Android 13, 14 & 15) for OEMs.



Virtual Cockpit Development Environment

Acsia has invested in an AWS Graviton environment for seamless development.



Automated CI/CD/CT Pipeline

An automated CI/CD/CT pipeline for digital cockpits based on Jenkins, Zuul, and Robot; and Google test suites (CTS & VTS).



Performance Tracing & Profiling Suite

Extensible and configurable System Health Tracing & Profiling Suite built in-house enabling Boot and Application Tracing, CPU, Memory, Stack Profiling, and NVM / Flash Dump Analysis.

Live Demo

Android Automotive 14 can enhance the driving experience by offering a more responsive, customizable, and secure infotainment platform with advanced connectivity and app support.

- Configure vehicle zones, allocate displays, assign users, and route inputs.
- Customize AA14 for your Multi-User Multi-Display requirements.
- Automate HMI testing for Multi-User, Multi-Display.



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