



A.R.M. Labs

OFFICIAL LAUNCH
September 1, 2026

EMBEDDED & DSP ENGINEERING SERVICES. AMBITIOUS, RELIABLE & METICULOUS TEAM AVAILABLE FOR YOU.

A boutique team of engineers and technical leaders with extensive hands-on experience delivering production-grade solutions in highly regulated industries. Proven expertise across complex automotive SoC platforms and flagship OEM audio programs. We support the entire software development lifecycle - from requirements and architecture to release. Available for embedded engineering engagements across MedTech, Automotive, AI/ML and industrial domains.

15+ ENGINEERS & LEADERS	8+ OEM BRANDS	10+ YEARS AUTOMOTIVE DEPTH	5000hrs+ SAVED WITH IMPROVEMENTS	Full SDLC COVERAGE
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:: CORE CAPABILITIES

<p>EMBEDDED SW DEVELOPMENT</p> <ul style="list-style-type: none"> :: Bare-metal & RTOS firmware (FreeRTOS, TI RTOS) :: C/C++ – ARM / AVR / DSP / HiFi :: Custom peripheral drivers :: Interfaces & protocols: SPI, I2C, UART, A2B, TDM, CAN :: Multiprocessor / multicore / multithread architectures :: Memory & DMA optimization :: QNX, Android, Linux kernel & user-space :: HW Bringup :: PCB design & power electronics 	<p>DSP & AUDIO ENGINEERING</p> <ul style="list-style-type: none"> :: Automotive audio amplifier development :: Audio Algorithm development and Integration :: Fixed-Point / SIMD / NEON / performance optimization :: Audio Processing Pipeline Design :: Utilization of modern Audio Frameworks :: Simulation and Design with Matlab / Octave 	<p>VERIFICATION & QUALITY</p> <ul style="list-style-type: none"> :: ASPICE-aligned SW development :: Static code analysis incl. MISRA C/ C++ standards :: CI/CD pipelines based on Jenkins / Bamboo :: Test automation in target based environment :: HIL / SIL bench setups :: ISTQB Advanced Test Analyst on team
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:: SOC EXPERTISE

SOC:	TI Jacinto J6 (DRA72x)	ADI Griffin	TI Sitara (AM27xx)	Qualcomm Snapdragon	STM32	Broadcom BCM – RP2040
CORE:	ARM Cortex M/R5/A15	DSP: C66 / C67 / SHARC / Hexagon V66	AVR			

:: TEAM'S PRIOR EXPERIENCE

Team members gained hands-on experience in automotive projects for numerous OEMs – including the cool & the hot ones. From flagship luxury audio programs to high-volume production platforms, our engineers have shipped real software in demanding, regulated environments.

:: HOW WE ENGAGE

<p>01 //</p> <p>CONSULTING</p> <p>Architecture review, tech assessment, requirements analysis, ASPICE advisory</p>	<p>02 //</p> <p>WORK PACKAGE</p> <p>> Scoped delivery: SW module, algorithm integration, test automation, bringup</p>	<p>03 //</p> <p>TEAM EXTENSION</p> <p>> Senior engineers or tech leads embedded in your process and workflow</p>	<p>04 //</p> <p>FULL DELIVERY</p> <p>> End-to-end ownership: requirements -> architecture -> implementation -> release</p>
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PLANNING EMBEDDED OR DSP WORK FOR Q4 OR BEYOND?

Let's talk now – great projects begin with a conversation weeks or months earlier.

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ACTIVE & READY TO ENGAGE

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