

AUTOMOTIVE OFFERINGS

ADAS | Infotainment | Digital Cockpit



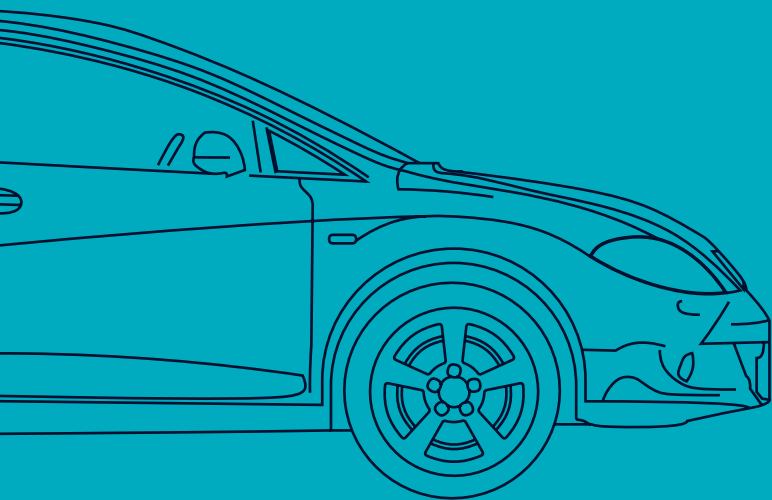
Consumers expect driving experiences to align with rapidly evolving, always-connected digital lifestyles. The next generation automotive solutions require increased on-board computing power, pervasive connectivity, self-learning capabilities and complex software solutions. PathPartner helps you create the next breakthrough in automotive designs for converged infotainment systems, advanced driver assistance systems (ADAS) and intelligent cockpit. As we continuously evolve our technical competencies and expand our partner ecosystem, PathPartner team is your perfect partner in realizing your vision for the automotive solutions.

AUTOMOTIVE OFFERINGS >>

VALIDATION	Validation for ADAS features	Validation for HMI	V&V for functional safety based on ISO 26262
CONTROLS AND HMI	Voice, haptic and gesture control feature development	HMI design, development and integration	
SENSING FEATURE DEVELOPMENT	Vision based algorithm development, porting and optimizations	Radar + Lidar based feature development	Imaging pipeline tuning, imaging algorithm development
CONNECTIVITY INTEGRATION	CarPlay, Android Auto and MirrorLink feature addition	Cellular, BT/BLE, Wi-Fi, USB connectivity integration	Miracast feature addition
MULTIMEDIA FEATURE DEVELOPMENT	Media player development and customization	Audio/video components and media frameworks	Graphics acceleration (OpenGL, GLES, EGL)
SYSTEM SOFTWARE ENGINEERING	BSP : Device drivers, kernel upgrade, OS porting	Frameworks, Boot time optimizations on Linux, Android, Hypervisor	Algorithm optimizations for performance, memory, power consumption
HARDWARE AND OS	DSPs, GPUs, Vision Cores, CPUs, ISPs, Linux, Android, WinCE	Snapdragon 820/820A,TI DM814X, Jacinto 6, TDA2x/3x, AWR1642, Renesas R-car	Nvidia TX1 & TX2, ARM 9, Cortex A9, A15 NXP 532V & R, iMX6, i.MX8

AUTOMOTIVE IPs AND SOLUTIONS >>

ADVANCED DRIVER ASSISTANCE SYSTEMS



- 1 Vision jump start solution
- 2 LiDAR SDK
- 3 Radar SDK
- 4 Automotive imaging
 - 2A
 - High Dynamic Range
 - Low Light Enhancement

INFOTAINMENT AND DIGITAL COCKPIT

Driver Monitoring Solution

- Blink assisted fatigue prediction
- Driver Identification
- Drowsiness Detection/Predictor
- Driver Distraction Alert
- Driver Action Classification
- Driver Emotion Estimation
- In-cabin Occupancy

In-Vehicle Infotainment

- Miracast
- MirrorLink
- CarPlay
- Android Auto
- Fastboot

Radar-based cabin sensing

PATHPARTNER

marcom@pathpartnertech.com | www.pathpartnertech.com

USA | India | Germany | Japan | China



PATHPARTNERTECH



PATHPARTNERTECHNOLOGY



PATHPARTNER



PATHPARTNERTECHNOLOGY

© PathPartner Technology Pvt Ltd. All rights reserved.

Products and services mentioned herein are trademarks and service marks of PathPartner Technology Pvt. Ltd. or the respective companies.