

# Aptiv Automotive Services

## Software-Defined Vehicle and Roadmap Acceleration

### MAPPING THE JOURNEY TO SOFTWARE-DEFINED VEHICLES

As OEMs embrace a software-first approach to developing next-generation products, they encounter a range of challenges. OEMs want to maximize software reuse, maintain hardware independence, reduce total lifecycle costs, and avoid vendor lock-in—all while managing increasing system complexity.

Flexible configuration tools, integrated data collection, modular and containerized middleware, and a common software framework across platforms can make a difference. With expert assistance, OEMs can speed the development and validation of software-defined features, deploy applications safely, and improve overall total cost of ownership. Among the services offered:

#### Domain-Specific Proofs-of-Concept

Validate technical feasibility earlier, identify integration issues earlier in development process, and inform architecture and platform decisions.

- Conduct discovery and define success criteria.
- Demonstrate potential software solutions feasibility and performance.
- Provide flexible communication and platform middleware blocks.

#### Why Aptiv?

Aptiv is a trusted, strategic partner uniquely positioned to accelerate your journey toward Software-Defined Vehicle (SDV). With years of sustained investment and a dedicated team of over 300 experts, we bring proven readiness—demonstrated by upcoming SDV launches on OEMs. Our robust portfolio builds on Aptiv's deep heritage in body computing and globally deployed vehicle software. It's supported by a modern, scalable, service-oriented architecture designed for flexibility and future growth. What sets Aptiv apart is the combination of deep automotive expertise with Silicon Valley innovation—enabling us to deliver high-quality, production-ready solutions at scale. We offer strategic flexibility, collaboration on solution ownership and go-to-market models that align with each customer's business goals.

Interested? Contact Aptiv today to learn how to get started.

[www.aptiv.com/en/contact](http://www.aptiv.com/en/contact)

#### Application Migration and Middleware Porting

Adopt code-reuse with minimal rework, reduce vendor lock-in by decoupling software from specific SoC/OS platforms, and get to market sooner.

- **Lift-and-shift approach:** Migrate any sort of relevant application, including third-party applications, ranging from legacy architectures to Aptiv SDV software infrastructure.
- **Rearchitect approach:** Provide customers with guidance and comprehensive support to rearchitect their applications and third-party applications to work more natively with Aptiv SDV software infrastructure.
- As appropriate, migrate Classic AUTOSAR applications to an SDV architecture.
- Enable migration platform and communications middleware to new SoCs or operating systems by delivering code changes, toolchain modifications, and validation of software on new SoCs using a standard test suite.
- Provide new binaries and documentation.
- Pre-certification of camera-based occupant detection systems