Luxoft
A DXC Technology Company

Automotive IVI

We use the latest technologies, frameworks, skill set and advanced tools as part of our Automotive IVI offering to enable our customers to build cutting-edge in-car entertainment and personal assistance systems. We're committed to enabling the creation of genuinely seamless immersive entertainment systems that are connected and unique. Our offering includes full support for advanced personal assistant capabilities, communication and phone systems, vehicle control solutions, and multi-display dashboards. At Luxoft, we enable customers to create automotive IVI systems that are unique, personalized and secure.

The challenge

With today's users requiring convenience and accelerated digital adoption across every aspect of daily life, customer expectations have evolved. As a result, automakers must now deliver deeply detailed, media-rich and immersive in-car experiences that form part of a complete digital lifestyle ecosystem. These experiences must not only be personalized but also completely integrated and seamlessly connected with smart devices. As we move into an era of extended mobility, the key to unlocking customer loyalty and maintaining competitive advantage is building automotive IVI systems that are truly integrated.

We help automakers and their key partners with challenges that include:

- Building automotive IVI systems that are reliable and secure

- Enabling secure integration with Advanced Driver Assistance Systems (ADAS)

- Supporting the development of a unique and genuinely differentiated Automotive IVI offering that is reliable, engaging and innovative

- Reducing time to market for automakers to realize value more quickly and adjust and adapt every part of development in an agile way to quickly introduce new features

Our solution

Our Automotive IVI offering brings together advanced technologies and tools to enable the development of sophisticated automotive IVI systems. Our deep domain experience and global delivery capabilities mean we enable true flexibility aligned to unmatched expertise to support the delivery of in-car entertainment and personal assistance systems that are unique, immersive and future-ready.

We bring high-level engineering excellence at a massive scale to ensure our customers can adapt to change faster, staying ahead of new and emerging technology changes and implementing new features quicker and without disruption. And we work closely with every customer to support the development of entire in-car infotainment systems that are fully digital, secure and integrated.

Why work with us?

- Proven expertise in delivering leading-edge automotive IVI systems and secure integration based on Android Automotive, Linux and QNX

- We offer global delivery capabilities close to you as well as a varied choice for best-cost locations

- Our world-class engineering talent brings a design-thinking approach with specialized teams able to address even the most complex challenges at speed and scale

- We enable customers to take total control of the digital cockpit, driving the entire IVI process with expert support, technology and state-of-the-art tools

- We are vendor agnostic and can work with diverse supplier ecosystems for total flexibility

- We bring a truly agile development approach, ensuring customers can quickly realize the value and get to market with new offerings to maintain a competitive advantage

- Control every aspect of development to reduce cost and increase productivity over time

- Our trusted, additive scalability means we ensure every solution we help develop is future-proofed, relevant, and intelligently differentiated

What makes us different?

- We're a unique technology leader with global delivery capabilities, with a large number of best-cost locations worldwide

- We're an independent engineering supplier. We support OEMs and Tier 1 organizations, and our deep expertise means we understand your challenges, both big and small

- With over 17 years of experience in the automotive industry and advanced end-to-end capabilities, we're a trusted partner delivering the highest quality solutions

Our customers

Challenge

Develop an HMI architecture definition and implementation for a next-generation UX for a leading OEM. The project required deep ML and prediction framework integration and highly detailed instrumentation. The business also required a multinational project team with client locations across Europe and North America.

Solution

With multi-process UI implementation based on an open-source framework, we undertook the development of a modern UI. We decoupled function implementation and UI development, and developed UI components, total system UI and applications. In addition, we integrated our solutions with instrumentation services and prediction technologies for a complete solution.

Results

We delivered a genuinely modern, predictive UX developed using an agile, iterative approach. By enabling parallel workstreams, we accelerated delivery and reduced time to market. The result? A robust, secure system architecture featuring separate apps able to execute inside a rich, immersive, connected system UI.

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