



SOFTWARE INTENSIVE SYSTEMS

Automotive cybersecurity consulting services

Get the help you need developing strategies and processes to achieve compliance to rigorous automotive cybersecurity standards around the world.

Within UL Solutions, we provide a broad portfolio of offerings to many industries. This includes certification, testing, inspection, assessment, verification and consulting services. In order to protect and prevent any conflict of interest, perception of conflict of interest and protection of both our brand and our customers' brands, UL Solutions has processes in place to identify and manage any potential conflicts of interest and maintain the impartiality of our conformity assessment services.

© 2024 UL LLC. All rights reserved.

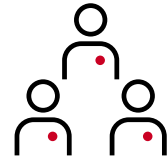




Software and hardware in electronic systems have become key differentiating factors in today's automobile design and development. With the rising role of electronics in automobiles, cybersecurity has become a critical aspect of product design and development. Through interactive engagement, Software Intensive Systems (SIS) offers comprehensive cybersecurity consulting services as well as private consulting workshops that challenge practicing engineers to start gaining traction on cybersecurity activities early on in automotive product development. In addition to automotive cybersecurity, our expertise spans automotive functional safety, autonomy safety and quality to provide you with comprehensive service offerings.

To best serve your specific needs, we can provide you the knowledge you need to perform these automotive cybersecurity activities on your own through our comprehensive training sessions and workshops, or our industry-leading consultants can jointly perform these activities with you. Either way, in the end, you will have a comprehensive set of strategies and processes to help you meet requirements for cybersecurity standards and regulations, such as ISO/SAE 21434:2021, ISO/DIS 24089 and UNECE WP.29 R155 and R156.

Technical workshops



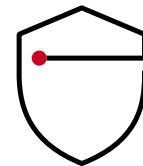
Gap analysis

For up to three days, our consultants will examine your organization's current cybersecurity processes and work product evidence against ISO/SAE 21434, ISO/DIS 24089, and UNECE WP.29 R155 and R156, identify any lapses and recommend areas for improvement.



Threat Analysis and Risk Assessment (TARA) methods workshop

This one-day workshop will explain how to create an item definition, perform an ISO/SAE 21434 TARA, and identify cybersecurity goals and claims for risk management.



Cybersecurity requirements and specification development workshop

UL Solutions cybersecurity experts will advise, coach and jointly select cybersecurity controls and develop cybersecurity requirements at the vehicle, system, hardware and software levels.



Expert cybersecurity consulting

As your consultant, we'll work with you every step of the way to develop your corporate automotive cybersecurity management strategies and define your product development and monitoring processes to satisfy the requirements of ISO/SAE 21434 and/or ISO/DIS 24089. We'll also provide the technical assistance needed to create the technical work products (WPs) and analyses required.

We also can help you identify gaps between your cybersecurity management system (CSMS) and software update management system (SUMS) processes against UNECE WP.29 R155 and/or R156. In addition, we can help you pre-audit your CSMS to make sure it conforms to the requirements of UNECE WP.29 R155 and/or R156 and the expectations of the approving authority.

Why UL Solutions

Software Intensive Systems helps automotive manufacturers focus on functional safety and the ISO 26262 standard, autonomy safety, ISO 21448:2022 and UL 4600 and automotive cybersecurity ISO/SAE 21434. Our safety consultants apply safety principles and processes, from leading industry standards and other methodologies to the practice of vehicle product development. Automotive leaders turn to UL Solutions for training, consulting and safety expertise. Our in-depth understanding of functional safety's theoretical and practical aspects helps our customers build safer products.

Learn more at [UL.com/SIS](https://www.ul.com/SIS).



[UL.com/SIS](https://www.ul.com/SIS)

© 2024 UL LLC. All rights reserved.

SOFTWARE INTENSIVE SYSTEMS

Within UL Solutions, we provide a broad portfolio of offerings to many industries. This includes certification, testing, inspection, assessment, verification and consulting services. In order to protect and prevent any conflict of interest, perception of conflict of interest and protection of both our brand and our customers' brands, UL Solutions has processes in place to identify and manage any potential conflicts of interest and maintain the impartiality of our conformity assessment services.

MCS24CS19809503