

AI-Safety Professional, AISP Training

Duration: 3 Days
Location: Public, Virtual, & In-Person

Why SRES?

At SRES, our training courses are guided by industry professionals with extensive real-world experience, providing you with practical insights and knowledge to excel in the rapidly evolving fields of Functional Safety, Cybersecurity, and Responsible AI.

Course Overview:

The safety of vehicle functions is now a high priority in the established development processes within the automotive industry. However, the use of Artificial Intelligence (AI) in safety-critical applications is associated with many challenges. The approach established in classical systems for building a safety argumentation is not directly transferable with AI technologies.

This certification training first introduces participants to the basics of artificial intelligence and then shows how the already established automotive standards like ISO 26262, and ISO 21448 can be supplemented with the extended frameworks and standards specifically for responsible and safe artificial intelligence, including but not limited to, ISO/PAS 8800, ISO/DTS 5083, ISO/IEC 42001, and ISO/IEC TR 5469.

Training Objectives:

- Introduction to the topic of responsible and safe artificial intelligence in automotive applications through ISO/PAS 8800 and related industry-agnostic standards and best practices as an extension of existing ISO 26262 (Functional Safety) and ISO 21448 (Safety of the Intended Functionality – SOTIF) standards
- Personal certification – final examination to become an AISP (Artificial Intelligence Safety Professional)

Agenda:

Day One:

- AI Introduction and Background
- AI in Automotive Applications
- AI Standards and Regulations
- Industry-agnostic AI standards Overview

Day Two:

- Automotive-specific safety standards in AI context
- ISO 8800:2024 Overview
 - AI Safety Management
 - Data-related considerations
 - Derivation of AI safety requirements

Day Three:

- ISO 8800:2024 (contd.)
 - Safety analysis and V&V of AI systems
 - Operational Measures
- Overview of ISO/TR 4804 and upcoming ISO/DTS 5083
- Optional AISP exam