



Press release

Matikon GmbH & Co. KG optimizes development processes for mechatronic systems according to Automotive SPICE® and ISO 26262

Horb am Neckar, [24.03.2025] - Matikon GmbH & Co. KG, formerly known as fischer automotive systems, has taken a decisive step towards further developing its development processes. As a specialist for high-quality vehicle system solutions, particularly in the areas of air vents and storage systems, the company has increasingly turned its attention to mechatronics and electronics in the automotive sector. Examples of this include cup holders with temperature control and actuator-driven charging flaps for electric vehicles, which not only meet functional but also safety-related requirements.

Challenge and objective

The increasing integration of electronics and the growing importance of functional safety in Matikon's product solutions have led to greater complexity in product development. In this context, it has become necessary to systematically align the development processes with the requirements of Automotive SPICE® and the safety standard ISO 26262. Automotive manufacturers in particular require their suppliers to develop in accordance with Automotive SPICE®. In addition, ISO 26262 is required for safety-critical products.

Project approach and collaboration with Process Fellows

Matikon decided to work with Process Fellows, an expert in Automotive SPICE® and ISO 26262, to align the existing development processes and the tool chain used specifically to the new challenges of mechatronic development. Following a comprehensive assessment of the current processes, a detailed action plan was drawn up that included the relevant steps for optimization.

The entire process world at Matikon was revised as part of regular workshops that took place over a period of 15 months. Process Fellows contributed valuable suggestions and practical examples of process structures and templates. These were adapted to Matikon's specific needs in close collaboration and integrated into the existing process world. In addition, an Application Lifecycle Management (ALM) tool was introduced and configured in line with the new processes.

Successes and outlook

The project has made significant progress: The relevant processes from Automotive SPICE® and ISO 26262 have been successfully integrated into the Matikon process world, and the tool chain has been adapted accordingly. The first implementations of the new processes have already been successfully tested.

Thanks to the preparatory work carried out so far, Matikon is well prepared for future challenges and can now ensure that its development processes meet the highest standards for mechatronics and functional safety.

About Matikon GmbH & Co. KG

Matikon GmbH & Co. KG is a leading provider of innovative vehicle system solutions, specializing in the development and production of high-quality products for the automotive industry. The company has expanded its portfolio from traditional mechanical solutions to include highly developed mechatronic systems and today offers a wide range of products that meet the highest standards of safety, functionality and quality.

About Process Fellows GmbH

Process Fellows supports companies in mastering the complexity of system and software development through innovative process development, training, consulting and coaching. They help with the integration of modern development methods and the definition and introduction of development processes. In doing so, they focus on user-oriented process improvement and the targeted use of tools. Through audits and assessments, they ensure standard conformity in accordance with common standards such as Automotive SPICE® or ISO 26262.