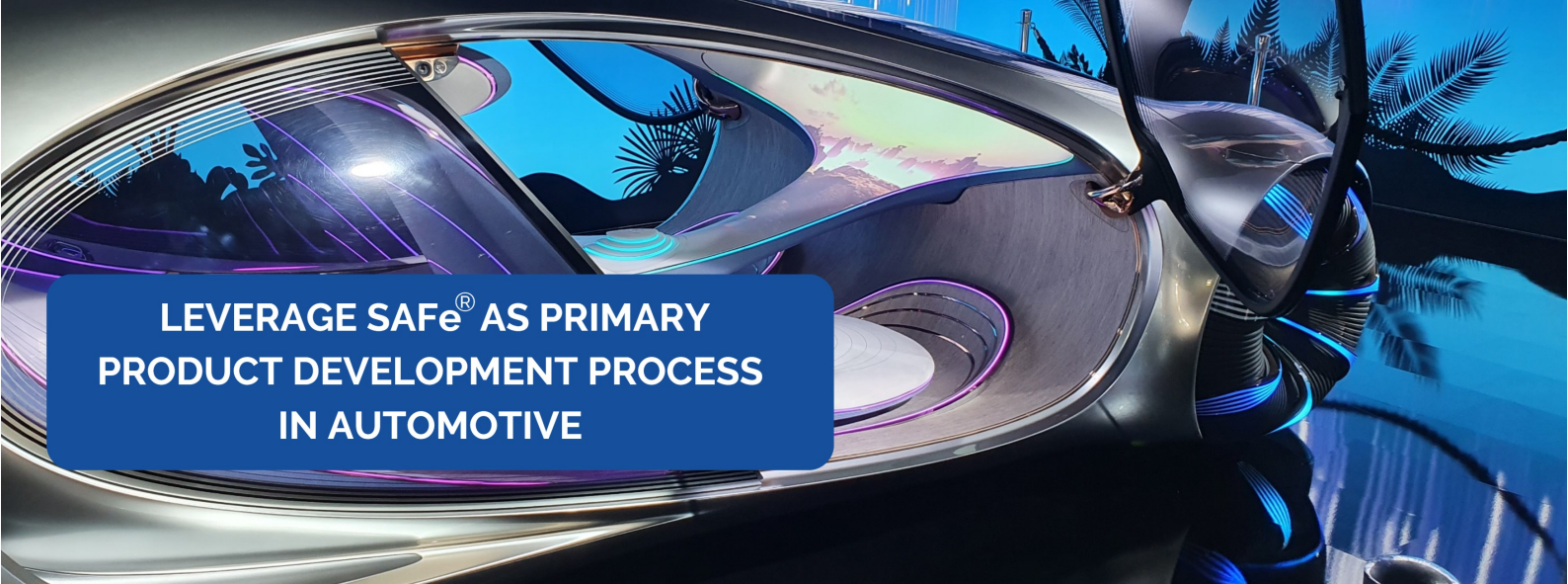




LEVERAGE SAFe® AS PRIMARY PRODUCT DEVELOPMENT PROCESS IN AUTOMOTIVE

Challenge

A leading German automotive OEM has successfully used SAFe in selected initiatives and now aims to adopt it as the primary product-development process. However, the current implementation is not yet integrated with existing process assets—such as systems engineering practices, tools, and roles—and cannot demonstrate that safety measures and control mechanisms required by ISO 26262 and ASPICE 3.1 are met. Additional challenges include day-to-day inefficiencies, limited ability to scale agile across the organization, recurring debates about how to execute the “new way of working,” inconsistent tool usage, and difficulties documenting solutions in a consistent, proper, and agile manner.

Solution

To scale and embed SAFe for the long term, management has mandated that all SAFe processes integrate with the existing process asset library—including systems engineering practices, tools, work products, and roles—while also demonstrating compliance with ASPICE 3.1 and ISO 26262. After a thorough evaluation, Applied SAFe was selected as the Lean QMS and connected to the current process assets. PEDCO trained the QM-Department process responsables, the internal LACE and process engineering teams so they can lead the ongoing customization of Applied SAFe themselves.

The customer first integrated its development landscape with Applied SAFe while allowing other lifecycles to continue in parallel. A small team of 5 people completed this work independently, after which the first Agile Release Train was launched. They found overlaps among certain tools and deliverables, leading to a reduction in the number of work products. Using instantiation (see separate case study), the customer created automotive and subsystem processes and refined them with built-in tailoring to fit their specific needs. This reduced waste and enabled monitoring of process execution across different tools and work products, aligned with the product’s ASIL level. In a second phase, the organization mapped the defined process landscape to ASPICE 3.1 and ISO 26262 to ensure the completeness of the definitions.

“In the automotive industry, sustaining an agile transformation over the long term is challenging. With Applied SAFe®, we were able to define the required processes for our organization very quickly. We combined the new way of working with our established system-engineering expertise—ensuring both compliance and efficiency.”



Klaus M.

**Development Manager at a major
German Automotive OEM**

Benefit

Through these measures, the customer established uniform processes across business units and specialist disciplines in under four months. Today, departments collaborate much more closely.

The processes are individually extensible and provide the necessary flexibility, which streamlines cooperation and makes it easier to transfer employees between units. Implementing Applied SAFe enabled the automotive manufacturer to markedly shorten the response time to changes in its Agile processes.

A further issue resolved was managing extensive documentation in an agile way while still meeting mandated documentation requirements; the Applied SAFe skeleton approach helped reduce the complexity of handling various existing document types.

Results

The new process flows were optimized and harmonized through a series of workshops with practitioners. Useful existing process assets were reused. As a result, the customer achieved cross-departmental process understanding and significantly simplified workflows.

- ✓ **Optimized cooperation between business units and ramp-up time for new role assignments reduced by 2/3**
- ✓ **Able to configure processes SAFe instances of different levels**
- ✓ **Customization of SAFe with existing system engineering, implemented and integrated within 6 months.**
- ✓ **Established compliance to ASPICE and ISO 26262 with scaled agile processes & instance based variation of configurations and needs**
- ✓ **33% faster process improvement**
- ✓ **Organization executes lean-agile process engineering by themselves after 5 days of training and minimal support by PEDCO.**

Talk with us!

As you have read this case study, we know that you are interested in a pragmatic solution. So we would love to find out what you are looking for in reality and to see how we can be of any help towards your goals. During an evaluation, we will be able connect you directly with some of our customers.

Let's start talking in a free session: pedco.appointlet.com