PEDCO
Applied SAFe®

Applied SAFe Case Study
- Automotive -

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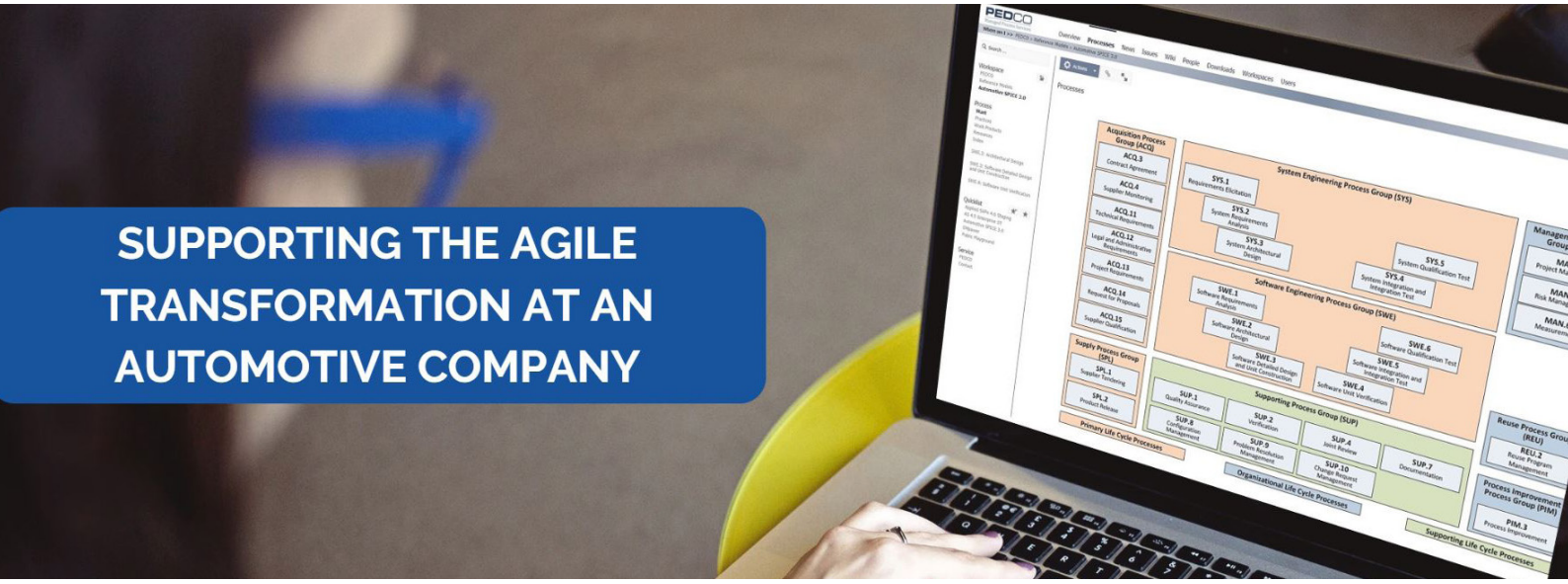

Challenge

One of the major German automotive suppliers has been using SAFe successfully in some endeavors and it is the wish of the company to leverage SAFe as the primary established product development process. The actual implementation was not yet integrated with existing process assets (e.g. System Engineering, Tools, Roles) and it was not ready to prove that safety measures and control mechanisms, such as from ISO 26262 or ASPICE 3.1 are fulfilled. Further challenges included not being efficient in their daily work, not able to scale agile within their organization, constant re-discussions on how to perform the 'new way of working', difficulties in using tools in a constant manner and how to document developed solutions in a proper and agile manner.

Solution

In order to scale and to establish SAFe in the long run, it has been decided by the management that all SAFe processes have to integrate with the existing process asset library (e.g. system engineering with its practices, tools, work products, roles) and, in the same time, to prove compliance with ASPICE 3.1 and ISO 26262. After a careful evaluation, it was decided to start with Applied SAFe as Lean QMS and to connect it with the existing process assets. The internal LACE team and the process engineering team was trained by PEDCO to lead the further customization of Applied SAFe by themselves.

The customer first integrated its development landscape with Applied SAFe, still allowing other live cycles to continue their work in parallel. A small team of 3-4 people was able to complete this task by themselves, followed by the start with the first Agile Release Train. It turned out that some of the tools and deliverables were overlapping and in turn, the number of work products has been reduced. Our customer was able to **instantiate** (see separate case study) automotive and subsystem processes and adjust them with built-in tailoring to their specific needs. This allowed to reduce waste and monitor process execution in different tools and work products, in accordance with their product specific ASIL-Level. In a second phase, the organization mapped the defined process landscape to the requirements of ASPICE 3.1 and ISO 26262, in order to ensure completeness of the definitions.

"In Automotive you can imagine that it's difficult to establish an agile transformation process in the long run. With Applied SAFe®, we have been able to define the needed processes for our organization in a very short time. We combined the 'new way of working' with our existing knowledge on how to do system engineering; in a compliant and efficient manner."

Markus T.,

Quality Manager at a major German Automotive Supplier

Benefit

With these measures, the customer implemented consistent processes across business units as well as for the individual specialist disciplines in less than 4 months. Today, the departments collaborate much more closely.

These processes are individually expandable and ensure the required flexibility. This enables and eases cooperation and facilitates the exchange of employees between the business units. Implementing Applied SAFe enabled the automotive manufacturer to significantly reduce the reaction time for changes in their Agile processes.

One problem solved is that the handling of large documentations and its development in an agile manner is still fulfilling the imposed documentation requirements. The proposed skeleton approached as defined in Applied SAFe helped to resolve the complexity of dealing with different kinds of existing documentation.

Results

The new process flows were optimized and harmonized in a series of work-shops together with practitioners. Good and usefull existing pro-cess assets are reused. As a result, the customer has achieved cross department process understanding and simplified its workflows significantly.

- ✓ **Optimized cooperation between business units and ramp-up time for new role assignements reduced by 2/3**
- ✓ **Able to tailor processes to specific instances**
- ✓ **Existing system engineering used in SAFe, implemented and integrated within 4 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