

Title / Titel

Improving electronic engineering efficiency with automated processes

Speaker(s) / Referent(s)

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To whom is the presentation addressed? / An wen richtet sich der Beitrag?

Engineers, quality managers, project managers, engineering management, IT responsables, tools experts

Keywords / Stichwörter

efficiency, PLM, tools, testing, requirements engineering

Abstract / Zusammenfassung

Manufacturers and their suppliers are forced with rising cost pressure to jointly and consistently master product development. This case study shows how Volvo over time is achieving effective interaction of engineering processes, tools and people on the basis of product life-cycle management (PLM). Starting from establishing the relevant engineering processes, we show how they can be effectively automated for best possible usage across the enterprise and even for suppliers. We practically describe how such a profound change process is successfully managed together with impacted engineers and how the concepts can be transferred to other companies. Concrete results for efficiency improvement, shorter lead time and better quality in product development combined with better global engineering underline the business value – specifically in times where cost are to be cut and performance must substantially grow.

Biography / Biografie

Jerker Andersson (M.Sc. EE) is the program manager (VSEM program) responsible to deliver processes, methods and tools to the Electrical engineering community of Volvo Cars. This is realized by establishing an information platform based upon several commercially available tools. He has been working with Volvo Cars since 1987, in various positions within Electrical & electronics engineering department, among them as project leader in the areas EDS, power supply and electrical architecture. He has also been responsible for cooperation projects with Renault, Mitsubishi and Ford.

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