

# **Electric and Electronic Vehicle Architecture Assessment**

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Automotive suppliers like Siemens VDO cover the full spectrum of automotive electronics. Our customers expect from such suppliers the capability to deliver cross-domain solutions and products. The deliveries should not only be correctly interconnected and integrated, but also simultaneously defined and developed in order to ensure that they achieve on the global vehicle level the optimum of cost, quality, flexibility and scalability.

SV combined the expertise of its divisions into a corporate Vehicle System Group, in charge of developing the cross-divisional expertise and solutions. The final aim of the division is to successfully assist the OEM during the pre-development phase of the architecture, by allocating system engineers who will help in the understanding of the requirements in order to select from a product portfolio the optimum combination.

Such an activity requires a strong expertise in intersystem technologies, such as Flexray and AUTOSAR, where SV is a leading contributor today.

In order to master the complexity of an architecture definition phase, where many actors are involved, many hypothesis analysed, Siemens VDO invested a lot of efforts in the definition of the processes and in the development of an architecture toolchain, SEDAM, which support and accelerate this process.

The conference will explain the vision of architecture Design and Assessment within Siemens VDO Automotive.