

Transforming Program Execution with the MBSE Digital Thread

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Presentation Abstract. Aerospace and Defense companies face many challenges in a time of increasing innovations, such as Urban Air Mobility, the drive to zero emission aircraft, hypersonics, new space startups, and new approaches to defense programs. In this era of innovation, companies are under increasing pressure to improve their program execution as they seek to design, develop and certify new products faster, ramp up their production rates while improving quality, and providing world class product support for their customers. As complexity of products and programs continue to increase, an enterprise solution for Model Based Systems Engineering (MBSE) using a comprehensive digital thread is critical to optimizing product architecture, and then using requirements and the product architecture to drive design, test, certification, production and product support processes to improve program execution across the product lifecycle. This presentation will explore how digitalization and the MBSE Digital Thread are enabling companies to transform their program execution for faster development cycles.

Dale Tutt is responsible for global Aerospace and Defense industry strategy for Siemens, driving specific industry requirements into industry-specific product and market solutions for Aerospace and Defense customers. Dale has 30 years of experience in engineering design, development, and program leadership within the Aerospace industry.

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