

Applying the Scaled Agile Framework (SAFe) to Lean Systems Engineering

The Scaled Agile Framework® (SAFe) is an industry-leading, publicly-facing framework for scaling Lean Agile development practices. It is based on Lean and Agile principles, Systems thinking, and product development flow. SAFe provides an alternative to traditional engineering challenges - early decisions, static plans, aversion to change - to better supports systems with high degrees of variability and uncertainty, yet maintain predictable delivery and compliance needs.

This talk describes how the upcoming version of SAFe - version 4.0 - provides an alternate set of principles and practices to large, engineered, product-based systems and programs. The talk discusses SAFe's guiding principles and presents the Release Train (ART) construct which has proven success synchronizing large team of teams around agile principles. It then describes the SAFe 4.0 additions for complex, engineered systems - managing large value streams, the inclusion of suppliers, aligning system-of-systems, supporting adaptive requirements and designs, to name a few. Attendees will understand the how lean and agile practices can improve system development and various ways to adopt SAFe in their organization.

Biography:



Dr. Harry Koehnemann is Director of Technology for 321 Gang, a certified Scaled Agile Framework Program Consultant (SPC), and a primary contributor to the SAFe® for Lean Systems Engineering Framework (SAFe LSE).

Harry began his career at Intel Corporation where he supported operating systems and compilers, and he spent the dot-com bubble at a still-successful Internet start-up. As employee #4, Harry developed Java web applications using agile practices.

Since 2004, Harry has worked for organizations in a wide variety of industries including aerospace, defense, automotive, medical device, and consumer electronics. He has focused on leading these organizations to adopt better engineering practices to improve their efficiency, productivity, and product quality.