

# Leading Large, Lean-Agile Engineering Programs

“One of the best classes I’ve ever had.”

Leader at US Aerospace & Defense Contractor



## Instruction Method:

Instructor-led workshop with activities.

## Description:

While agile practices have become commonplace for small software teams, they are also rapidly being adopted by large, engineered systems. This course teaches leaders, at all levels, WHY they ought to lead a successful scaled agile adoption across software, firmware & systems engineering disciplines... and how to start.

First, leaders will be introduced to lean-agile principles & **WHY** they matter. Then, leveraging the Scaled Agile Framework (SAFe), participants will gain critical insights into better ways to measure performance & progress, align teams-of-teams & adopt values necessary to TRULY change- driving productivity & significant waste reduction.

## Target Audience:

ANY leader interested in understanding how their roles and responsibilities change in a lean-agile organization. This includes anyone who leads, influences, or contributes to the development of large, engineered systems.

## Format:

In-person delivery. Recommended for 12-24 participants per ½ -1-day workshop.

## Objectives:

Upon completion of the course, students will:

- Understand Lean principles of cadence, synchronization, flow, WIP and batch sizes as well as their application in large, engineered systems
- Be familiar with key agile, Scrum & SAFe practices & terminology including roles, backlogs, estimation, planning & visibility
- Begin to understand how to organize an agile engineering organization(s) around value- emphasizing learning, aligning large teams-of-teams, enabling flow, etc.
- See how engineering activities (including **MBSE**) become part of regular agile flow
- Understand leadership's **KEY ROLES** for a successful lean-agile enterprise!

## Learning modules:

- Why should I care about Lean-Agile?
- Understanding Lean principles
- Understanding Agile and Scrum
- Applying Lean-Agile metrics
- Scaling Lean-Agile to large, hardware, and contracted systems
- Leading organizational change

## Prerequisites:

Leaders open to continuous improvement!

**"Well taught and easy to understand!"**  
2017 Leadership Participant



The  
Continuous  
Engineering  
Experts