



## Developing an Additive Manufacturing Strategy

Onsite – 3 Days, 8 Hours/Day – Optimum Class Size: 6-12 Participants

### Training Description

Developing an Additive Manufacturing Strategy provides participants with cardinal knowledge of the additive manufacturing landscape, allowing them to form strategies around the technology and identify current opportunities within their own organization. Participants will learn about the most common types of technologies and how they are being used with real life use cases. They will also gain exposure to the strategies and value around designing for additive. This training includes a shop walk to help identify possible applications within their facility. Developing an Additive Manufacturing Strategy is delivered onsite and is intended for all levels of the company.

### Training Objective

Participants will develop a strong foundational understanding of additive manufacturing, allowing them to form strategies around the technology and identify possible applications within their own facilities.

### Training Agenda

- Intro to Additive – The history, current status, and future of additive manufacturing. Where we were, where we are, where we are going, and why this is important to your business
- Technology overview to the most common additive technologies and their advantages and disadvantages
- Common materials overview – The most readily available materials, their properties, and uses.
- Most common applications – Prototyping, Tooling & Fixturing, End Use Parts
- Application training – Sample parts will be presented, and their features, orientations, and uses will be discussed
- Exposure to printing software and how to import and slice STL files
- How to quickly analyze CAD models for 3D printing efficiency
- Design for Additive Manufacturing (DfAM)
- Understanding the Design Constraints – Overview of the specific rules and guidelines of designing for additive
- Understand the organization's goals and pain points
- Identify applications on the manufacturing floor – Discussion of where to look for additive opportunities