



GE Additive

## PROCESS OPTIMIZATION by AddWorks

### Increase productivity in your additive production process

Moving from additive prototyping to production can seem like a big step. However, once you're in production you may not see the expected yield and productivity rates that were part of your business case. Why? Because it's not just about moving to production, it's also about improving the process.

We have worked with customers over the last 20 years to help improve the additive production process. We can take our knowledge and best practices from different additive production processes and apply that to your production environment. We help increase part throughput, yield rates and improve overall part quality.

Our experts can partner with your team – teaching them additive manufacturing knowledge and skills that will enable your organization to tackle present and future productivity challenges.

### WHAT YOU GET

- Production assistance from highly experienced additive manufacturing engineers
- Build files, parameter and process settings
- Process and control documentation
- A business summary report

### BENEFITS

- Increased throughput and productivity in the manufacturing process
- Better part quality and repeatability
- Speed – eliminate months and even years of trial and error

Visit us at [ge.com/additive/addworks](https://ge.com/additive/addworks)

### CUSTOMER JOURNEY



NOTE: Our services for applications in the healthcare industry may be limited and will require additional review.

## A TESTED METHODOLOGY

We use a four-step methodology to help achieve your additive production goals:

### 1. Baseline Assessment

We'll spend time with your team to better understand the current production environment, challenges and business goals. And then use this information to manage outcomes throughout the project.

### 2. Target Feasibility

Our team will analyze data from the assessment and work with you to set realistic targets and goals. When necessary, we can provide you information that can be shared with your leadership team.

### 3. Project Execution

Together, we'll work to execute the necessary actions required to reach the set goals and confirm the performance requirements are met.

### 4. Verification

After implementing the production process the AddWorks team will conduct a final assessment to confirm the performance requirements and goals are being met.

AddWorks can help provide Process Optimization for both DMLM and EBM technologies. We have access to a variety of post-processing equipment and 3D printing machines at our customer experience centers and other facilities around the world.

## CUSTOMIZATION TO FIT YOUR PRODUCTION NEEDS

We'll help customize a program that fits your production needs and objectives because every additive production environment is different. Here are a few ways we can help:

### Part and build improvement

Small modifications to part design, build layout or support strategy can play a key role in the impact of the production process. We can provide recommendations to help reduce build times, post-processing steps and achieve better part quality.

### Parameter development

Each metal application has its own set of process parameters. Understanding the multitude of parameter combinations to produce the desired of material properties while increasing throughput and yield rates can seem like a daunting task. Our experienced team can help you find the combination of parameters to achieve your product specification and productivity goals.

### Production process development

The production process starts with the incoming feedstock and ends when the product is ready for shipment or placed in inventory. The entire production process must be reviewed for potential bottlenecks, process inefficiencies and costs. Our team will evaluate the entire process and help identify areas of improvement to increase overall process productivity.

