AMNOW

Supporting Army Readiness

through a robust digital additive manufacturing supply chain

The AMNOW program was launched in 2019 with a mission to establish and demonstrate a robust capable digital manufacturing supply chain to support Army readiness. Executing that mission required elevating the capabilities of the supply chain; elevating additive manufacturing (AM) processes as a reliable technology; visualizing the supply chain back to the Army; and capturing production data as a contract deliverable.

As the program progressed, many suppliers have been engaged to make that mission a success.

ATI, a $4.1 billion global specialty materials company, is one of those suppliers. ATI has a strong vertically integrated supply chain that can produce alloys, shapes, finished components that withstand the ultimate extremes in temperature, corrosion, and stress. This unique capability is the result of a corporate history that dates back beyond the dawn of the space age, the jet age, or the industrial age — all the way back, in fact, to the American Revolution. (www.atimaterials.com).

Combining ATI's AM technology offering with precision traditional manufacturing and machining made them well suited as an early supplier partner for AMNOW.

ATI has been part of the AMNOW program since September 2020. During that time, they have engaged in 10 projects and delivered more than 220 parts.

Because of their participation, ATI has realized several key benefits.

1. Expanding Connections
AMNOW provided ATI with the opportunity to engage with new post-processors and other supply chain members. This expanded supplier network provides ATI increased flexibility to meet customer needs going forward.

2. Elevating Marketing
ATI has been able to use their participation in AMNOW to promote their capabilities to support DoD needs.

3. Enhanced Data Collection
The AMNOW program provided an IoT device to enable automated collection of required process data. ATI's experience using the device has promoted interest in how this data can be leveraged internally for better process control and performance. The result of this is expected increase in efficiency and a decrease in overall production costs.

"Our additive manufacturing team has gained invaluable experience producing DoD hardware thanks to the AMNOW program."

– John Scovill
ATI Manager,
Additive Manufacturing

ATI

Learn more about ATI at www.atimaterials.com

Learn more about AMNOW at myamnow.com **Learn more about NCDMM at www.ncdmm.org**

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