Additive Manufacturing processes have the potential to transform metallic structures by reducing fabrication time and complexity while improving recovery from expensive starting materials. However, it is not enough to simply produce a specific geometry with a specific composition. The resultant part has to have sufficient integrity, performance characteristics, and repeatable microstructure to benefit the finished vehicle and be fully qualified for service. Incorporating the new technology into our comprehensive approach to highly sophisticated metallic products and processes, Arconic is advancing technology for Additive Manufacturing in multiple processes to provide holistic solutions. In addition to our direct manufacturing of components, the Ampliforge™ process combines additive manufacturing with forging to produce parts that meet the most stringent specification and integrity requirements while reducing costs for near-net geometries. This presentation will provide an overview of Arconic’s additive manufacturing capabilities, examples of AM and Ampliforge™ components, and potential applications.