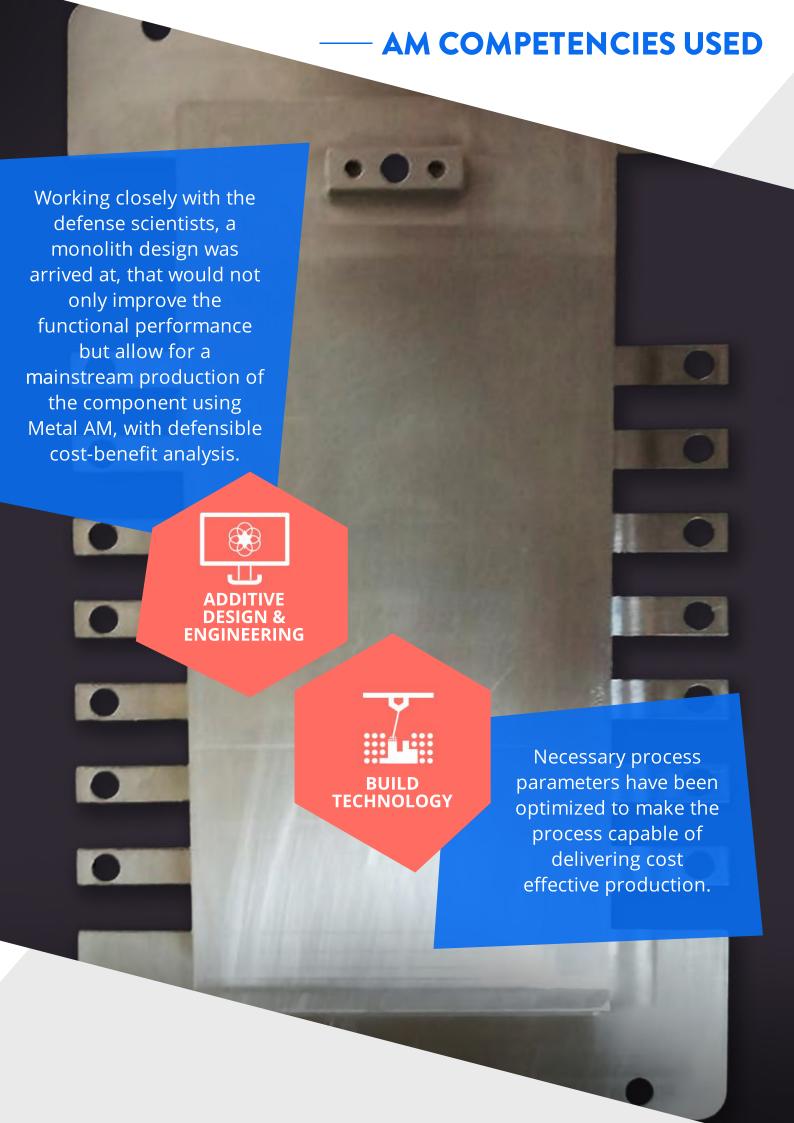


Component Receiver & Transmitter Antennae

Material AlSi10Mg

The defense industry is among the earliest adopters of Additive Manufacturing along with the Aerospace industry, in a myriad of applications State run defense agencies and private defense organizations are using AM in highly critical projects for missiles, fighter jets, customized equipment, handheld weapons, drones, respiratory gear, and much more. The defense logistics and product acquisition processes are already in the process of transformation with the help of relatively small and tactical AM centers deployed in army, naval and air force establishments. Perhaps the most impactful application of AM could be portable in-field AM centers deployed near conflict zones.





AM VALUE ADDITION

The antennae were being made in multiple parts and then welded together. The welds were causing signal distortion and were rupturing during vibration tests.

These issues have been eliminated due to the monolith design proposed by Wipro 3D.



Two iterations were completed in quick succession to check critical sections of the part. Wipro 3D shall soon be moving into short series run for the component.





The Antennae were
Additively
Manufactured, duly
post processed and
delivered in under
a week.

About Wipro 3D

Wipro 3D is an AS9100 Certified metal AM solutions and services provider, serving Aerospace, Space, Defense, Industrial, Heavy Engineering, Automotive, Energy, Nuclear & Healthcare sectors. Our solutions include AM Consulting, Additive Engineering & Design Offerings, Manufacturing Services, Research & Development based solutions right unto Design - Deployment and Operation of captive metal AM centers.

Visit: http://wipro-3d.com to learn more