

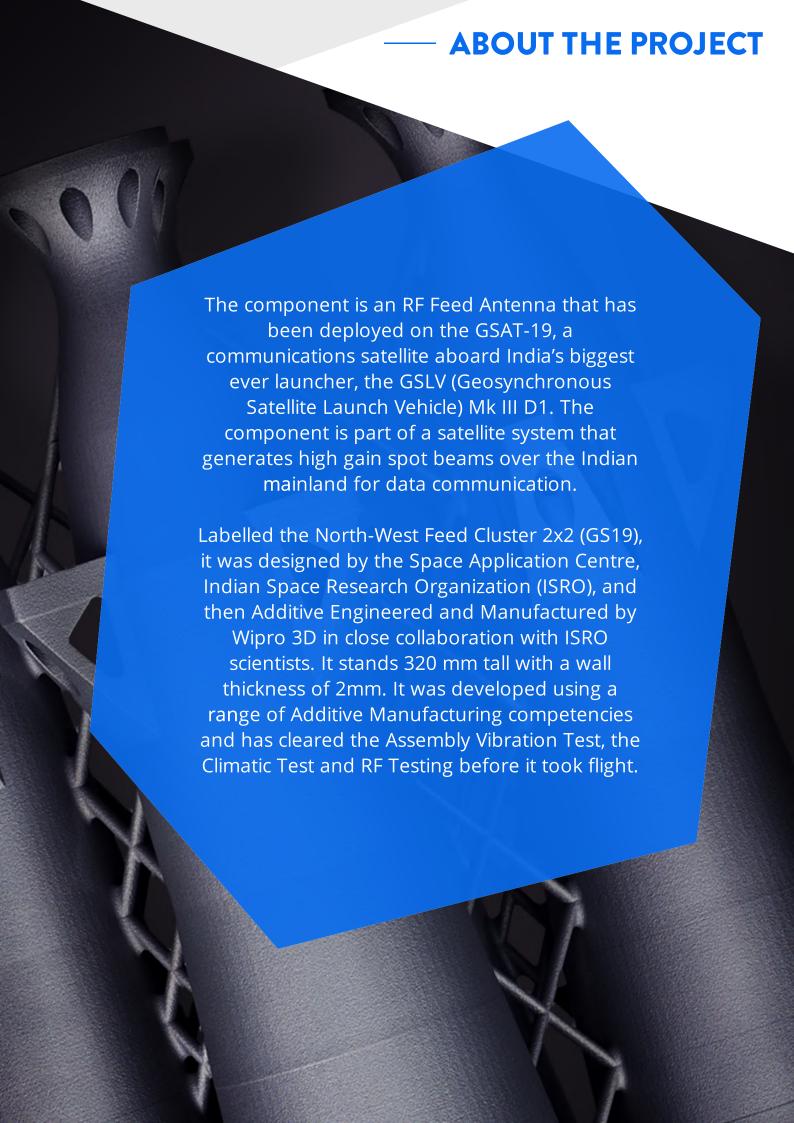
## Component North West Feed Cluster 2x2

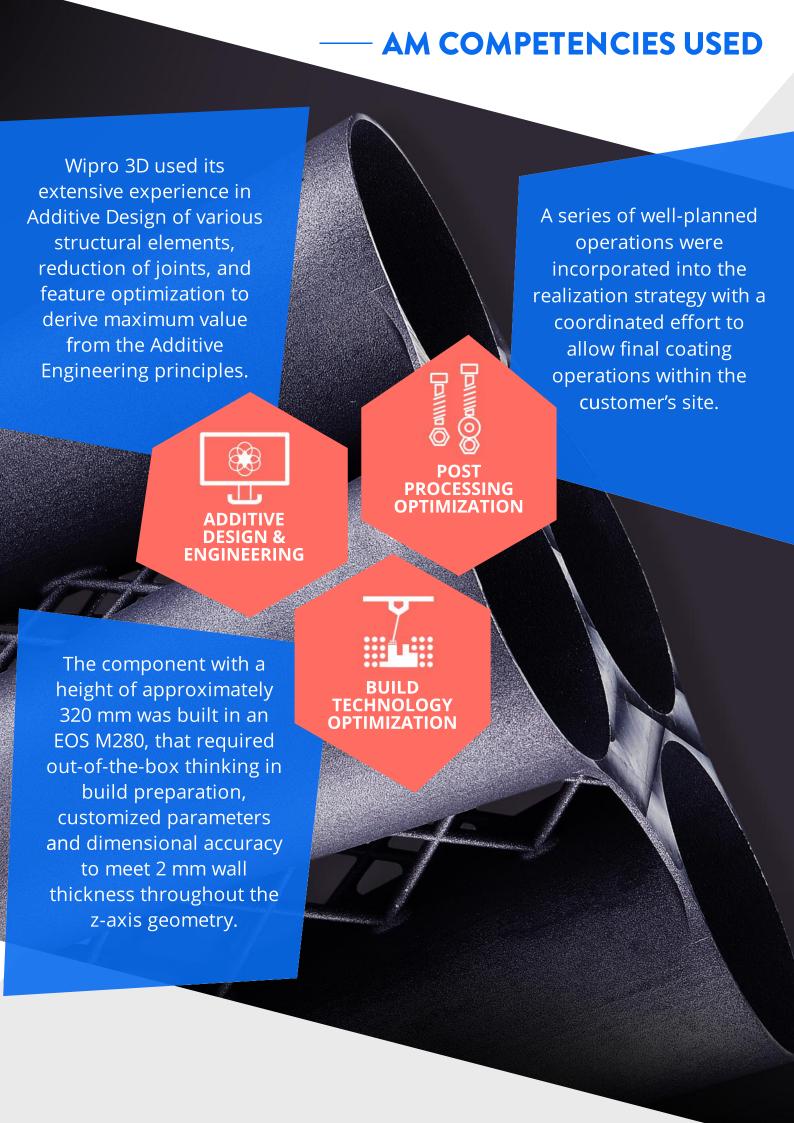
Material **AlSi10Mg** 

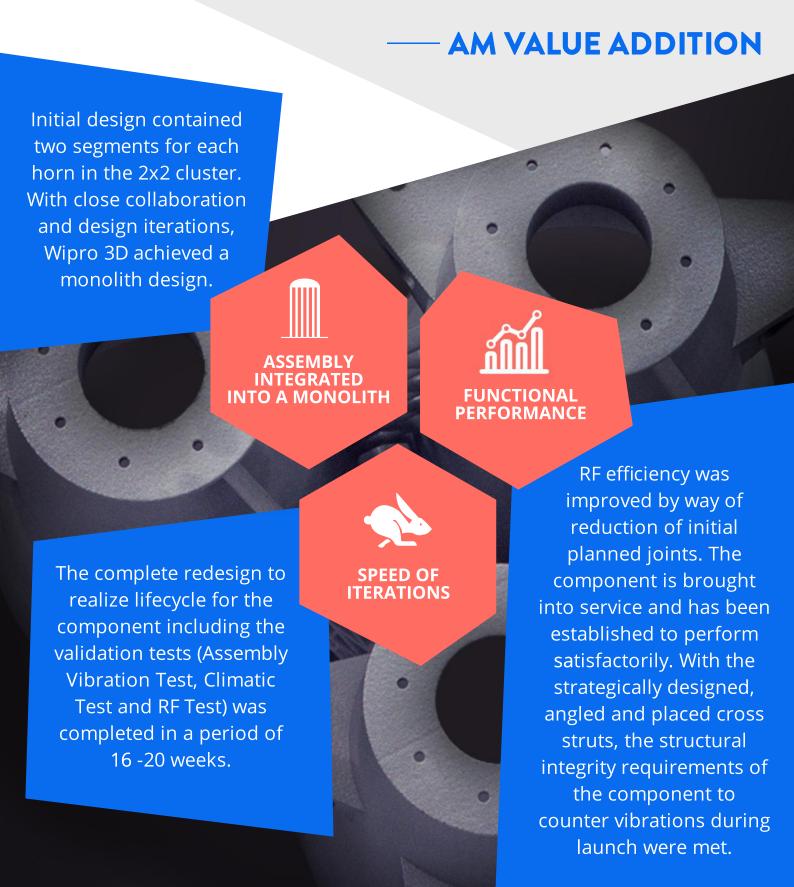
Additive Manufacturing is reaching outer space.
Where every gram counts, in an environment with extreme cyclic temperature variations and harsh forces during the launch, the functional life of components is a critical part of design considerations. Wipro 3D has re-engineered, developed, and proved out flight-ready components in short "re-design to realize" lifecycles.

Private space enterprises, state-run-space organizations, and other members of the space industrial ecosystems are replacing existing and conventional geometries, with designs using the freedom of design that Additive Manufacturing brings, leading to significant impact on performance.

Components such as antennae, wave guides, brackets, thrusters, main oxidizer valves, combustion chamber liners, and propellant injectors, are either in the prototyping stage or are actually flying.







## **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.

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