

ADDITIVE DESIGN AND MANUFACTURING

AVIATION TECHNOLOGY



Additive Design and Manufacturing

Absolutely Additive!

EN 9100 CERTIFIED

YOUR REQUIREMENT:

Weight reduction, better fuel efficiency, and a reduced carbon footprint are major goals of modern aircraft. Additive Manufacturing (AM) has proven to be a driving force for lightweight and functional parts in aviation and defense.

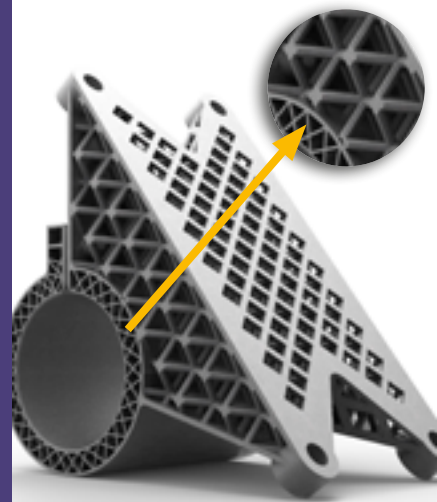
OUR EXCELLENCE:

With more than 20 years of experience in AM, FIT Production is a leading EN 9100-certified supplier of cost-efficient and innovative parts. Applications include engines, interiors and hydraulic systems. Future applications continue to evolve.

WE OFFER THE FOLLOWING ADVANTAGES:

- 1 Lightweight Design**
AM enables lightweight designs with complex bionic structures while optimizing stability and mechanical strength. This contributes to an ecologically beneficial reduction of fuel.
- 2 Production without tooling**
Building parts layer-by-layer allows for much higher part complexity and faster time-to-market, while consuming less raw material and energy for the production process. Moreover, individualized variants can be concurrently produced (mass customization).
- 3 Availability**
Additive parts are produced on-demand, which can make inventory obsolete. Our certified companies can supply components globally.

Bionic geometry is the evolution in lightweight design!



YOUR BENEFIT:

FIT Production can deliver significant advantages by optimizing your parts for AM. 20 years of experience have led us to extensive know-how in the various technologies. Expertise related to geometry, accuracy, and material properties allow our engineers to guide you through all the phases of product development and production.



Interested?

Contact us at: www.fit-production.de/customercontactaerospace