



## Transversal competencies

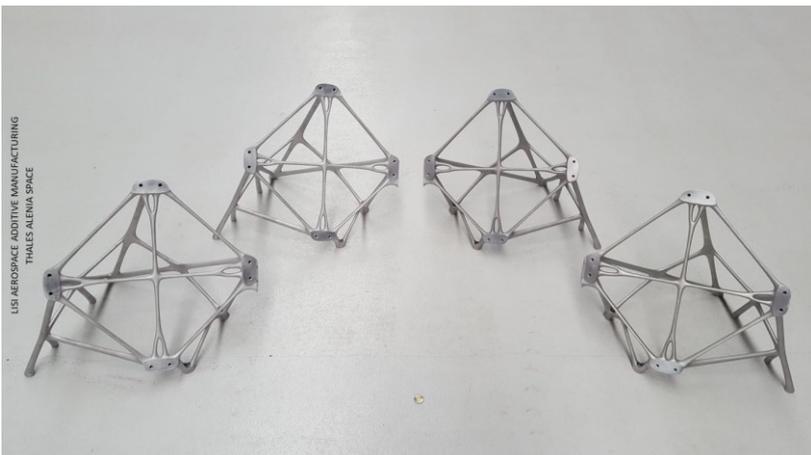
LISI AEROSPACE Additive Manufacturing (LISI AEROSPACE AM) is the LISI Group entity that specializes in metal 3D printing technologies. A recognized player in the aeronautics, defense and space markets, LISI AEROSPACE AM brings the industrial excellence of the LISI Group to additive manufacturing.

## COMPETENCIES & CAPABILITIES

LISI AEROSPACE AM owns seven metal fusion machines, including one machine for oversize dimensions (800 x 400 X 500 mm). These machines operate 24 hours a day on site, while their metallurgic characteristics are analyzed for each production batch.

LISI AEROSPACE AM post-processing infrastructure ensures the machining and finishing of parts – including sanding, polishing, and chemical machining operations.

LISI AEROSPACE AM possesses the equipment needed to perform geometric and dimension controls on manufactured parts (3D scanner, 3D measurement machine).



# LISI AEROSPACE AM

## PRODUCTS & SERVICES

Additive manufacturing provides a wide range of benefits, from producing lighter pieces to designing components that were impossible to manufacture until now. Backed by the expertise and long-term vision of LISI AEROSPACE, the company is a leader in the serial production of flight parts, using the latest metal powder bed technology, integrating all the resources necessary for producing finished parts.

LISI AEROSPACE AM possesses vast experience in deformation and production simulations for a wide variety of parts. This experience and expertise enable LISI AEROSPACE AM to work with its customers to optimize the design of manufactured parts (topology optimization, modifying design to reduce support volume and enhancing the strength of the fusion process).

## MAJOR SPACE PROJECTS & REFERENCES

Our serial pieces we produce are already in service, notably on the THALES ALENIA SPACE satellites, AIRBUS A350 Aircraft and DASSAULT AVIATION Falcon and Rafale.

THALES ALENIA SPACE is to use our parts in the series production of its satellites. Parts for the satellite currently include four custom-designed reaction wheel brackets. Manufactured in a single part, these brackets incorporate connector and cable fittings, cutting out the need for assembly. By switching to 3D printing for the production of these parts, Thales has managed to deliver a 10% cost saving, shorter lead times, and an overall weight reduction of 30%, all while increasing performance.

## POINT OF CONTACT

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**TURNOVER** 2 M€

**WORK FORCE** 25

**SPACE TURNOVER** 1 M€

**SPACE WORK FORCE** 12