



TECHNOLOGY DESCRIPTION

ATG Europe is a Dutch innovation driven service provider with a strong heritage in space and high tech industries. ATG Europe has patented a wide cost-efficient manufacturing methodology for fiber placed grid-stiffened structures that allows manufacturing high quality, complex integrated grid stiffened composite products in a one-shot process, representing a significant overall weight and cost saving for aerospace structures. It can be used in many applications that require low weight and high stiffness/stability both on ground as well as in air.



INNOVATIVE ASPECTS

- Low weight and high stiffness/stability
- Mass savings up to 60%
- Cost savings up to 30% (compared to sandwich panels technology)
- One shot manufacturing process reducing lead time and cost
- Superior mechanical, thermal and the thermo-elastic performance
- Transitions from the structure to (metal) surroundings designed and optimised
- Great accessibility due to open structure



TECHNOLOGY READINESS

TRL 6 (2024)



COUNTRY OF ORIGIN

The Netherlands

LATEST UPDATE

04/2024

SPACE
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TAGS

#stiff

#lightweight

#composite

#lattice

APPLICATION AREAS

Aviation

Construction & Civil Engineering

Energy

Maritime and Aquatic

Mechanical Engineering

Space technologies

Transport and Logistics