

## TECHNICAL INFORMATION LETTER

TIL N° T-GEN-21-005

DATE: September 21, 2021

REV.: /

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To: Leonardo Helicopters products  
Owners / Operators

**SUBJECT: Environment impact mitigation**

Helicopters Affected: AW139, AW169, AW189, AW149, A109S, AW109SP,  
AW119MkII, A109A/II, A109C, A109K2, A109E, A119

Dear Customer,

With this information letter, Leonardo Helicopters (LH) would like to share relevant updates and results regarding the environment impact mitigation.

Within the Leonardo Sustainability Plan's framework, LH is strongly active with several R&D programs and new technologies certifications in order to reduce Product's noise level and Greenhouse Gas (GHG) emissions, in accordance with the new ICAO standards and International Sustainability Policies.

Helicopter's usage is foreseen to increase in the next years, thus the rotorcraft contribution to the environmental goals would become more significant in next decade and dedicated initiatives are constantly deployed by LH to keep related emissions as low as possible.

Within this contest, LH is pleased to announce the following important achievements:

- Usage of engine jet fuel made from the Synthetic Blending Components (also called Sustainable Aviation Fuel - SAF), that meet the current ASTM International Standard D7566 requirements, does not have any operational limitations and performance degradation on all the AW legacy products (AW109/119 family, AW139, AW169 and AW189/149), provided they are re-identified as D1655 fuel.
- AW139 has been recently certified compliant to latest ICAO Noise Requirements (ref. Annex 16, Volume 1, Chapter 8, Sect. 8.4.2 - FAA Stage 3 Noise compliance). This approval does not require any modification to the in service fleet, confirming the excellent AW139's design that fulfill the new requirements by keeping this helicopter model also aligned with the green roadmap set up for the helicopter market.

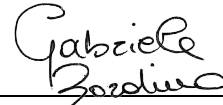
## Environment impact mitigation

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Should you need any additional information, please do not hesitate to refer to the point of contact provided with the Customer Support & Training Worldwide Directory, available on Leonardo Customer Portal at this [link](#).

Yours Sincerely,



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Gabriele Bordino  
Head of Product Support Engineering