

Safety in Helicopter Sector

12° Air Law Conference

Rome, 13/06/2025

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Our goal

To be at the forefront of vertical lift solutions for the benefit of our customers and society

Providing advanced end-to-end capability

Enabling customers to best meet every mission

Being a trusted, long-term partner

Fully engaging our employees and suppliers – always there for our customers

Innovating with purpose

Delivering safer, smarter and more sustainable vertical lift solutions





Meeting every mission

Everything we do is dedicated to help operators matching the most demanding missions, delivering essential services to the society

Saving lives on land and at sea

Providing efficient transport

Keeping communities safe

Supporting energy operations

Protecting borders

Responding to disasters

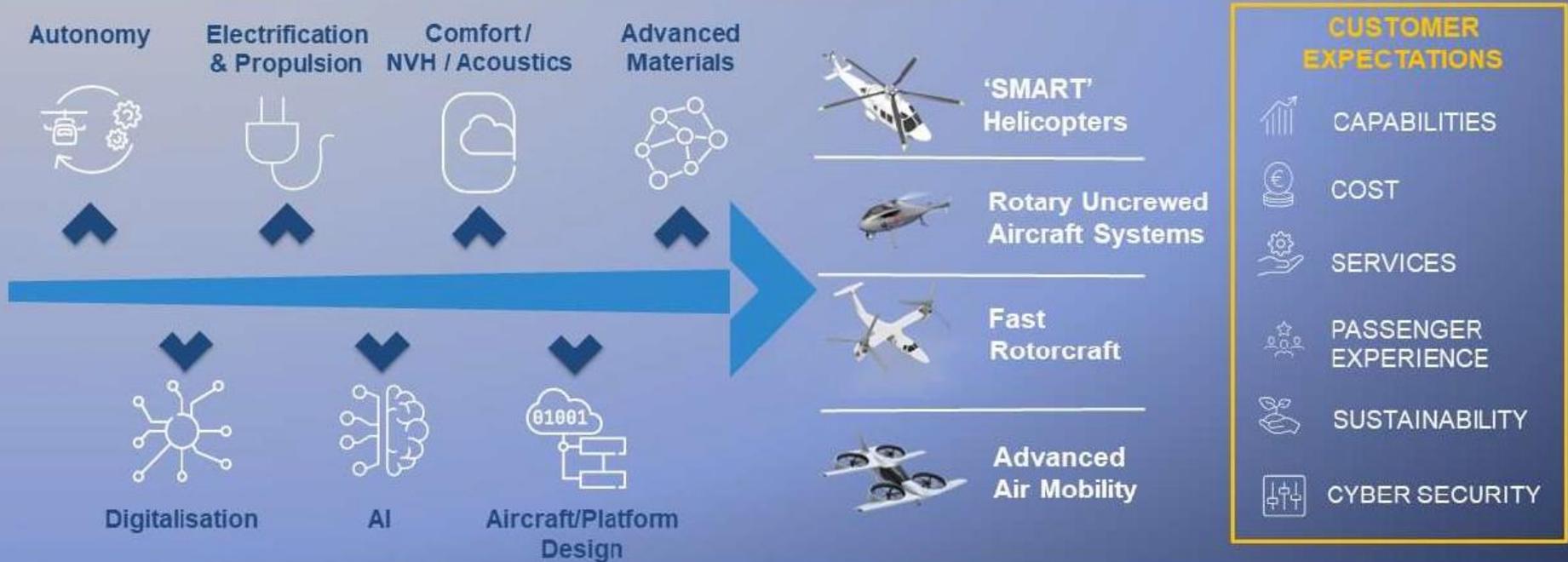
Strengthening defence capability





Innovating with purpose

Everything we do is dedicated to help operators matching the most demanding missions, delivering essential services to the society





A Sustainable Future

Our sustainability roadmap is key to our business strategy

Sustainable Aviation Fuel (SAF)

- Progressively adopt $\leq 50\%$ SAF across our prototypes and investigate future use of 100% SAF

Digital & Sustainability

- Improve efficiency, cut waste and emissions via enablers such as Digital Twins, Digital Factory, and Digital Services & Training

Lifecycle Assessment (LCA)

- Map the environmental footprint of our products and services to define a decarbonisation roadmap

Science Based Targets Initiative (SBTi)

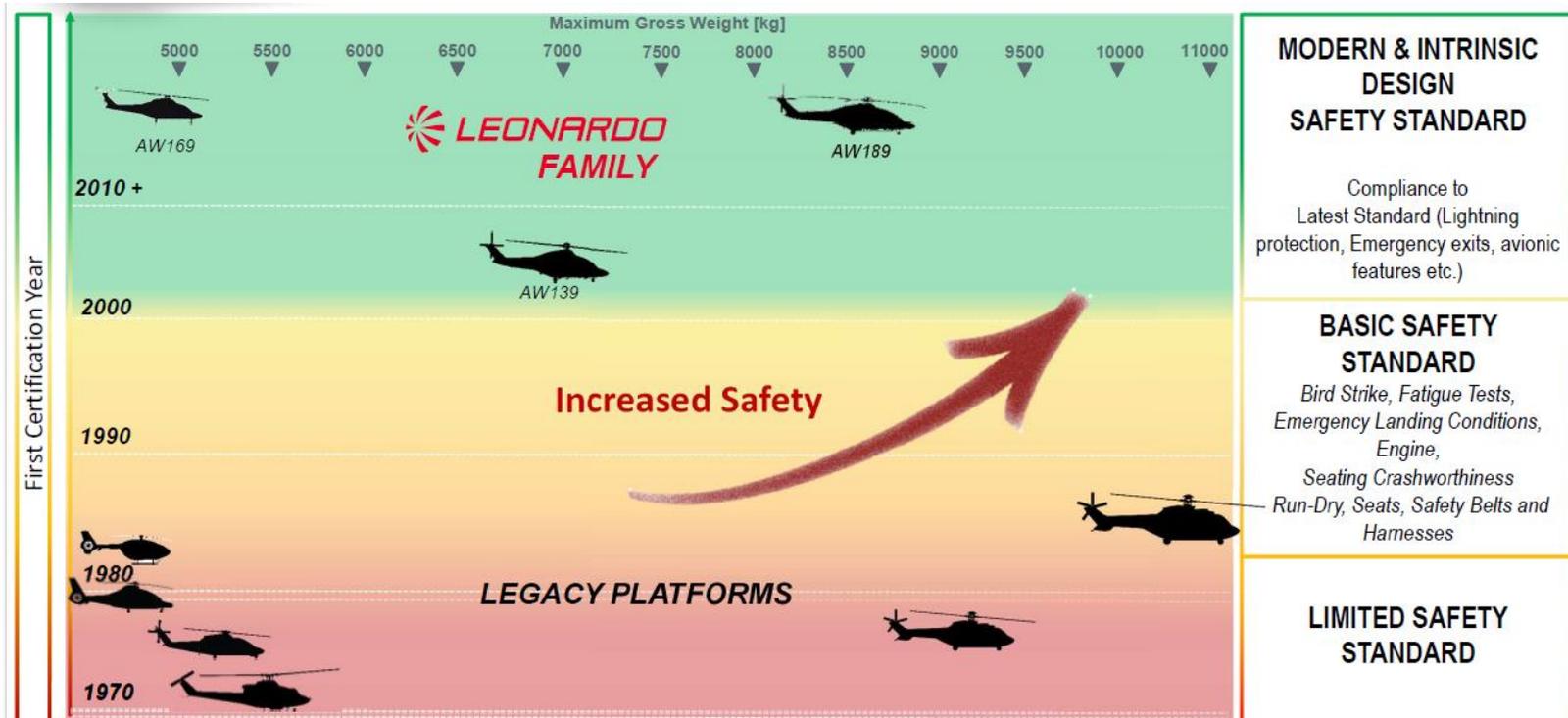
- Meet ambitious targets to cut emissions from our own processes, our supply chain, and downstream operations

100%
SAF



Medium Family

Being modern and safer





Safety by design

The AW Family Platforms have been designed to meet the most demanding safety regulations



Crashworthy
Structures and Seats



Emergency Exits
Exceeding Type IV
Safety Requirements



Bird Strike
Resistance



Crashworthy
Fuel Tanks



Ditching Configuration
Certified up to Sea State 6



Systems
Redundancy



Transmission up to
60 min
Run-Dry Capability



LEGISLATION CHALLENGES



EASA REGULATION

Regulations established
by the European Union
Aviation Safety Agency

CODICE DELLA NAVIGAZIONE

Provisions of
Italian Aviation Law

NON EUROPEAN APPLICABLE LAW



**HELICOPTER OEM
LEGAL DEPARTMENT**



FAA REGULATION

Regulations established by
the Federal Aviation
Administration (USA)

EUROPEAN APPLICABLE LAW

Legislation applicable to
aviation within
European Union

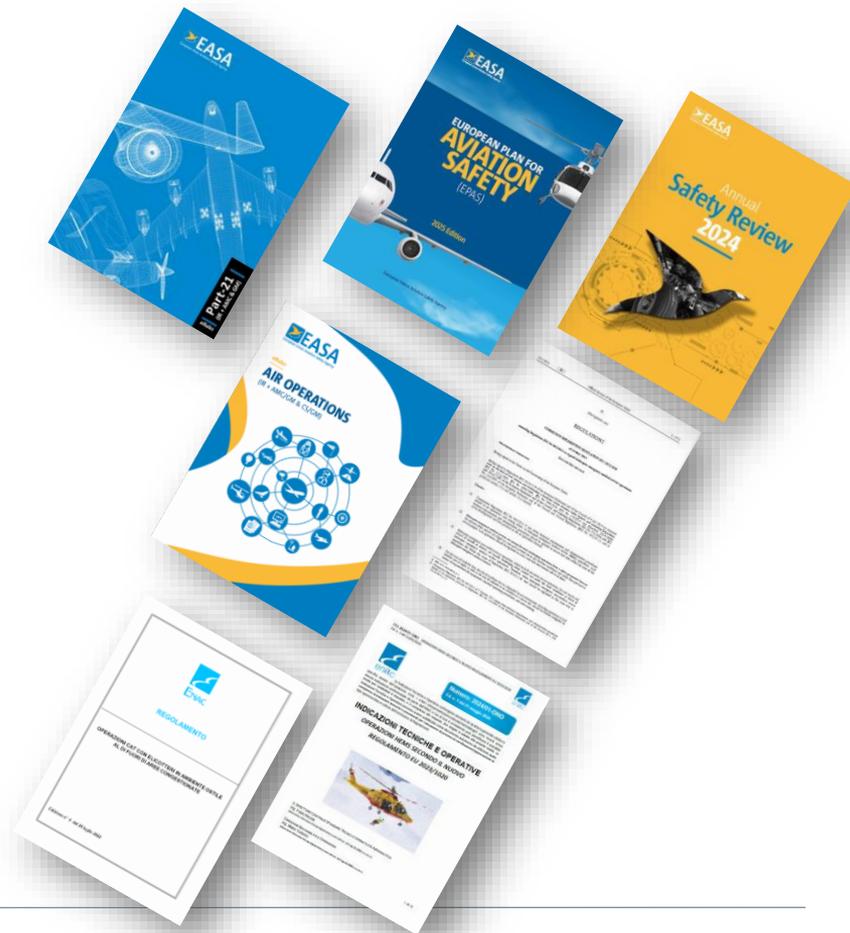


Regulatory Framework

- ✓ Continuous challenge because of CS27/CS29 **Evolution** and **European Plan for Aviation Safety (EPAS)**
- ✓ Regulation (EU) 2023/1020 **amending EASA AIR OPS** with Specific Improvement for HEMS operations



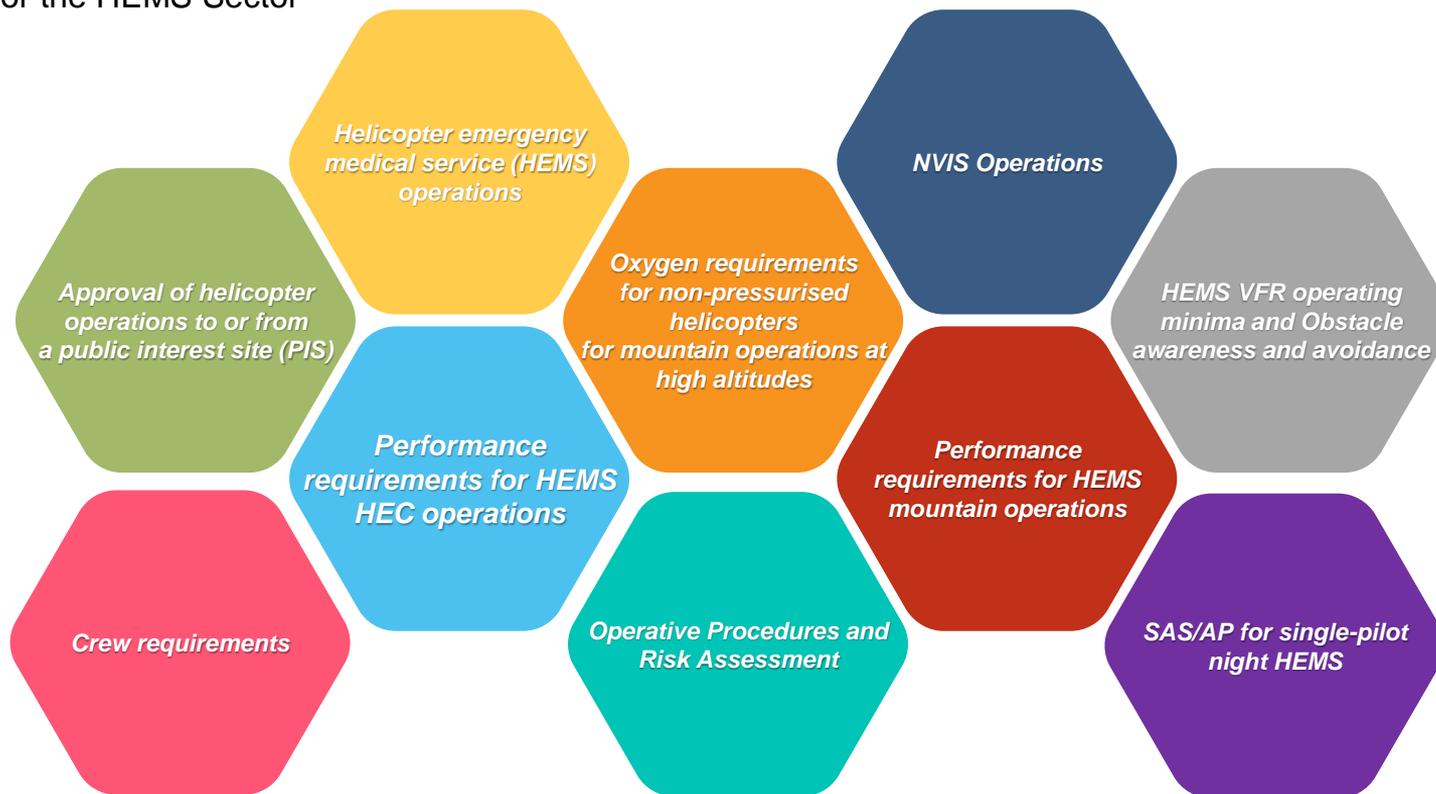
- ✓ ENAC “Indicazioni Tecniche e Operative” 2024/01-ONO for **Amended EASA AIR OPS**





Regulatory Framework

Examples for the HEMS Sector





CASE LAW LEADING TO NEW SAFETY RULES

S- 76B CRASH

The helicopter, owned by Kobe Bryant, crashed in California, resulting in the deaths of all nine passengers and the pilot.

DETAILS OF THE CRASH:

- **Aircraft:** Sikorsky S-76B.
- **Weather:** Low visibility, with fog and cloud cover, contributed to the crash.
- **Cause:** Pilot error, specifically continuing flight into instrument meteorological conditions under visual flight rules, leading to spatial disorientation and loss of control.
- **Investigation:** The National Transportation Safety Board (NTSB) investigated the crash and determined that the pilot's decision-making was a contributing factor.
- **No Mechanical Failure:** The investigation found no evidence of engine failure or other mechanical issues



Following such crash, the National Transportation Safety Board (NTSB) issued several safety recommendations aimed at enhancing helicopter flight safety.





Thank you
for your attention

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