

## **Enhancing Innovation in Aviation**

According to ChatGPT, innovation in aviation can be enhanced, “by fostering creativity, adopting advanced technologies, and promoting collaboration.” Strategies to enhance innovation should include:

- Investing in research and development that focuses on cutting-edge technologies, including aircraft design, propulsion systems and fuel efficiency.
- Expanding aircraft capacity through innovations in passenger facilitation and security procedures.
- Collaborating with industry partners to bring diverse expertise together, accelerating the pace of innovation.
- Promoting STEM Education to train the next generation of aviation professionals and innovators.
- Establishing or supporting innovation hubs, incubators, and accelerators dedicated to aviation to bring innovative ideas to fruition.
- Working closely with regulatory bodies to create an environment that supports innovation, including streamlining regulatory processes to facilitate the integration of new technologies and ideas.
- Providing incentives to encourage the development of environmentally friendly aviation solutions, such as electric propulsion, biofuels, and more fuel-efficient aircraft.
- Openly sharing data to facilitate collaborative research and development efforts.
- Providing continuous training and skill development to ensure that the workforce is equipped to implement innovative solutions.
- Organizing challenges and competitions to spur innovation.
- Enhancing government support by establishing national strategies and roadmaps for aviation development.

It is clear (from ChatGPT) that there are many initiatives that can be undertaken to enhance innovation in aviation. With these broad areas of innovation in mind, the Hermes Air Transport Organization asks your organization to consider the following questions:

1. What are the key short term and longer-term innovations that need to take place in the aviation industry?
2. How can these innovations be developed? Specifically, what projects, programs and initiatives should be undertaken to develop these key initiatives?
3. How can these key innovations be funded? How can the capital be generated to fund the development of the innovations?
4. How can these innovations best be implemented? What is the role that your organization can take in enhancing the implementation of these innovations?

Your organisation is cordially invited to prepare a position paper on **Enhancing Innovation in Aviation** taking into consideration the foregoing background information.

The position paper should not exceed 3,000 words. Your organisation is requested to email it to [secretariat@hermes.aero](mailto:secretariat@hermes.aero) by 17:00 CET, **Friday 31st of May 2024**.

All position papers will be thoroughly studied by the members of the 2024 Hermes Report Committee consisting of:

*Chairperson*

Professor Martin Dresner, Chair, Air Transport Research Society (ATRS)

*Members*

-Dr Olumuyiwa Benard Aliu. Honorary Member, Hermes - Air Transport Organisation & founder and President of iPADIS

-Angela Gittens, President, Hermes - Air Transport Organisation

-Mario Nemeth, ex Director General of Civil Aviation, Slovakia

-Professor Dr Andreas Papatheodorou, President, Hellenic Aviation Society & Editor-in-Chief, Journal of Air Transport Studies

The Committee will then convene in June 2024 to synthesise the opinions expressed in the various position papers and the conclusions of the 2024 Hermes AGM and produce a unified report, which will be made public.

- END -