

The Emerging Aviation Sector - Challenges and Opportunities

The aerospace sector is undergoing an unprecedented period of innovation. Rapidly emerging aviation sectors, such as remotely piloted aviation systems (RPAS) and advanced air mobility (AAM) are giving rise to all new civil and military use cases. However, the advent of these new users poses a raft of challenges. Matters spanning safe airspace integration to public acceptance, must be resolved before the full benefit of these new aircraft can be realised.

This presentation will provide an overview of the diverse range of new aviation user concepts and their emerging use cases, from small drones to autonomous passenger carrying electric VTOL aircraft. Discussion will then shift to the technical, regulatory, economic, and social challenges facing the industry and a summary of the ongoing work to address them.