Autonomous Air Vehicles

Created at:	16.06.2019
Created by:	Alun Rhydderch
Modified at:	16.06.2019
Modified by:	Alun Rhydderch

Description

**Air-borne vehicles such as private aeroplanes and commercial aircraft that sense their surroundings and fly without human intervention (autonomous flying cars and aerial taxis are not considered in this category)*

Autonomous air vehicles can increase the safety of air transport and reduce costs.

1. Expected impact
   - Increased safety with elimination of human error
   - Potential for significant reduction in transportation costs for service providers (e.g. labour)

2. Technology requirements

Most of the technology is already available or in advanced stage, the challenge lies in convincing the public and governments of the benefits.

3. Regulatory requirements
   - Regulatory framework for operations and safety/security standards of autonomous air vehicles
   - Regulatory framework for certification procedures
   - Regulations for liability management

4. Investment requirements
   - Infrastructure investment will be relatively low as most physical infrastructure is already in place

Tags

CAV **Future mobility** **airplane** **autonomous**

STEEP

- Technological

Links

TRENDS

3D Mobility

Self-Driving Transport

Projects

RTA Future Scanning - Information & Trends

Rating criterion	04.06.2020
Importance	