



FPS **MOBILITY AND TRANSPORT**
BELGIAN CIVIL AVIATION AUTHORITY

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The role of technology in enhancing aviation safety: a CAA perspective

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AI and other emerging technologies

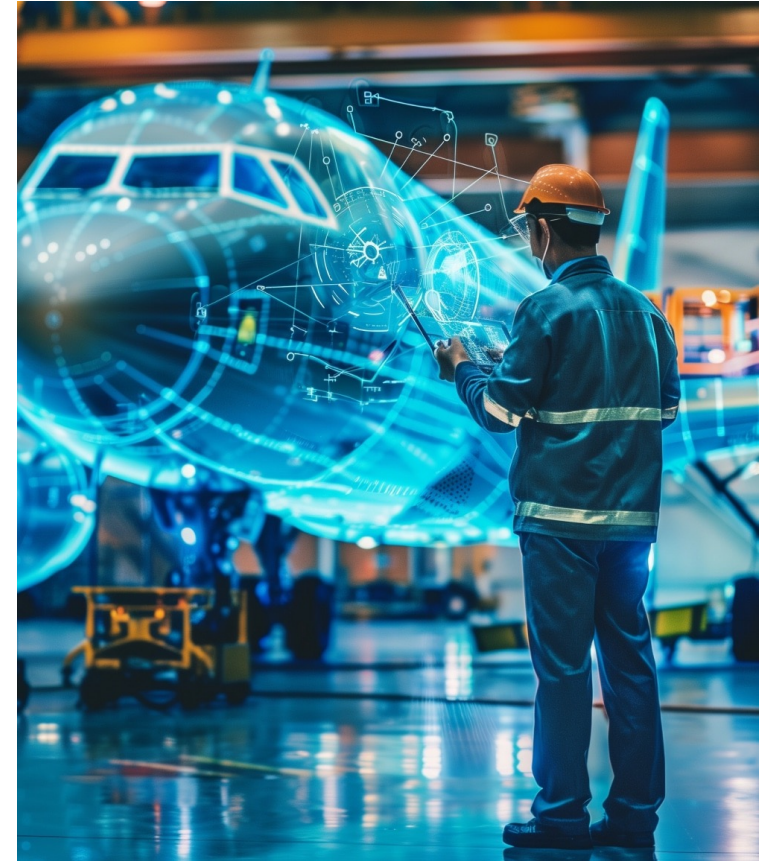
Short term: disruptive





Short term: examples

- Delivering licences
 - Individual and virtual training / customized training
 - Prescriptive legislation (not “up to proficiency”)
 - Oversight?
- Aircraft inspections
 - Technical engineers: which type of bolt where?
 - Now SMS, cybersecurity, information security, other inspection methods e.g. composites
 - Profiles not adjusted
- ATM drones
 - Volume increases, certified systems?
 - AI / digitalization / ATCO's?
 - Oversight?





TO DO short term



- Exchanging experts
- Knowledge sharing
- Adjusting the regulatory framework



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AI and other emerging technologies Long term: opportunity



Long term = opportunity



- Training own staff
- Risk based oversight
- automation repetitive administrative tasks



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Let's take the next step