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BELGIAN CIVIL AVIATION AUTHORITY

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

A photograph of a red and white striped windsock on a tall pole against a clear blue sky with light clouds. A small airplane is visible in the distance to the right.

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Director General Belgian CAA





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# AI and other emerging technologies

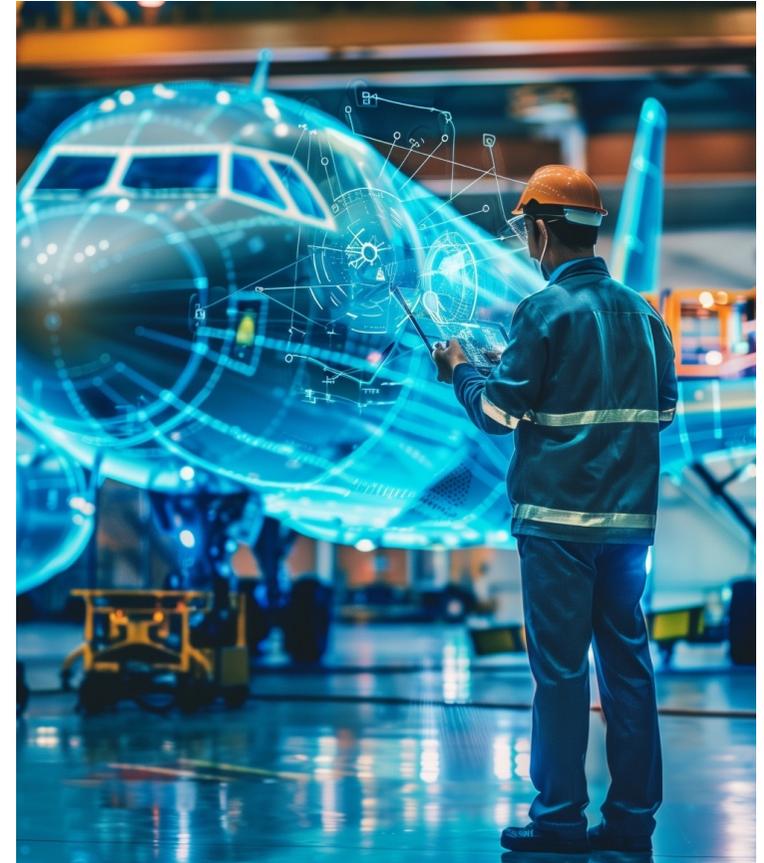
## Short term: disruptive





# 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

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