How new technologies (automation, digital, AI) will support further enhancement of flight safety?

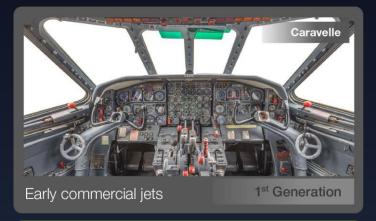
November 8th, 2023

Nicolas RANQUE - AIRBUS - Ho Flight Operations Architecture





Four Generations of Commercial Jet Aircraft



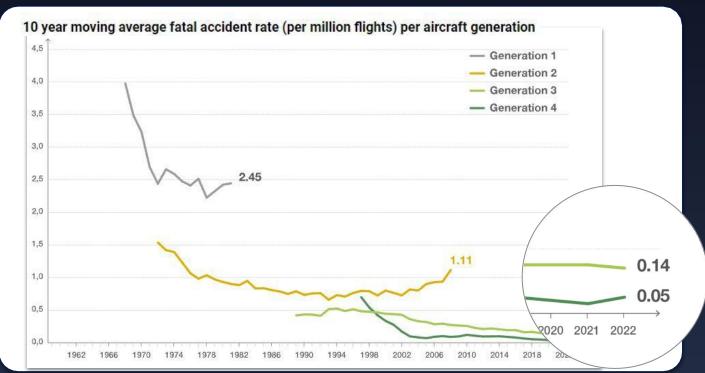








Fatal accident rate evolution







Opportunities brought by new technologies : automation



Automated Emergency Descent





AP / TCAS

AIRBUS



Opportunities brought by new technologies : automation



AP in protections



Pilot focus on mid term thanks to fully automated "fly"

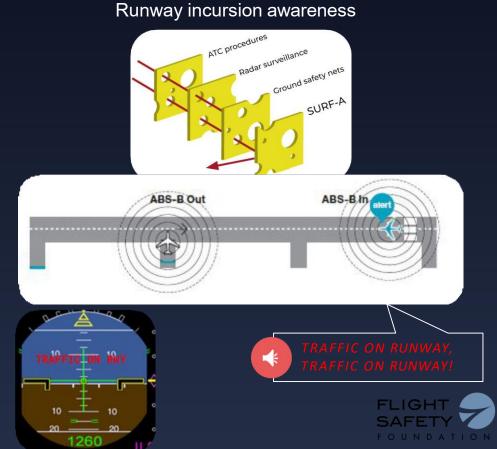




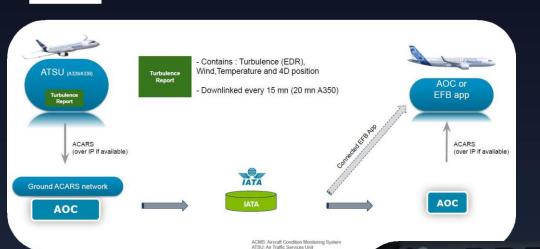
Opportunities brought by new technologies : digital & connectivity



Predictive maintenance



Opportunities brought by new technologies: digital & connectivity





Collaborative Turbulence Map

Collaborative runway state report



Collaborative weather threats awareness





Opportunities brought by new technologies : Al (machine learning)



Pilot vigilance system







Automated vision based landing



AIRBUS

A collaborative work

Regulation



Airlines

Aircraft



