



SUPPORTING
EUROPEAN
AVIATION

Fly AI like a “Sully”

AI: a help or a factor in the loss of skills?

Benjamin Cramet
11th March 2025

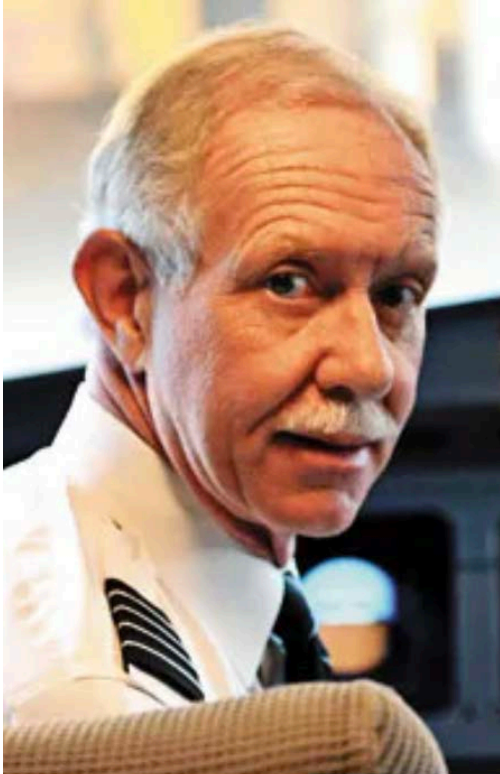




Remember him ?



What made him special ?



Combat
experience

Military-Civil
Pilot
experience

Expert in
human factors
and safety

Mastery of
gliding and
energy
management



2 ways to cope

Augmenting
Humans

with machines doing
the dirty work
to boost productivity

Improve
Humans

use technology
to develop new skills

« [Human enhancement through evolutionary technology](#) », *IEEE Spectrum*, vol. 4, n° 9, New York, Sept 1967.
Soft Architecture Machines (1976), Nicholas Negroponte



What do they say about it ?



**AI must be a support tool, not a human replacement.
Maintaining critical skills and ongoing training.**



**Importance of system reliability
and the role of ATSEP in monitoring and maintaining AI.**



**AI to improve ATM, but operators need to be trained to interact with it
Develop AI supervision, audit and validation skills**

New skills for ATCO and ATSEP



System will be wrong

Human and cognitive skills

Critical thinking and rapid decision-making

Stress management and vigilance in the face of faulty AI

Adaptability to changing systems

System needs to be trained by humans

Technical skills

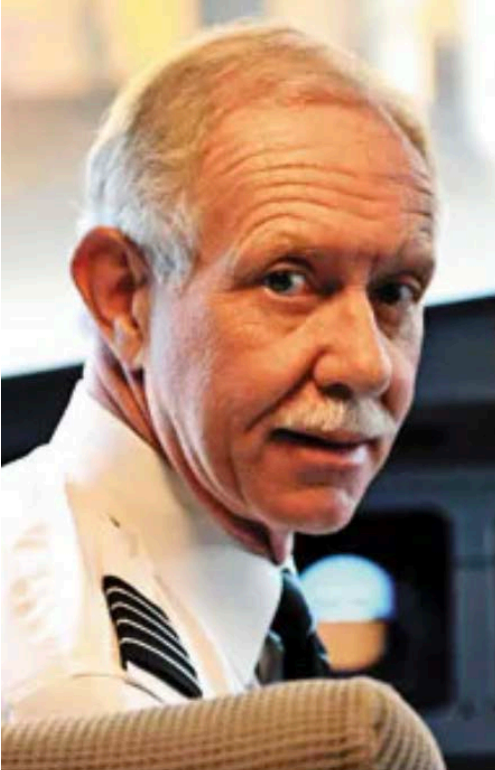
Understanding AI algorithms and their limitations

Monitoring and validating decisions made by AI

Managing algorithmic errors and biases



Play it like “Sully”



AI should not reduce human expertise but amplify it.

Need for new training for ATCO & ATSEP.

Importance of maintaining a culture of safety and continuous learning.

**Well-integrated AI can make every ATCO and ATSEP a ‘Sully’:
able to handle the unexpected with mastery and expertise.**

Fly AI like a “Sully”

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