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SenseAbility
TACTILE TECHNOLOGY

NAVIGATE THE COMPLEX WORLD OF TERMINOLOGY, ACRONYMS AND JARGON

Aviation English for Technicians & Engineers
made easy via 3D interactive images

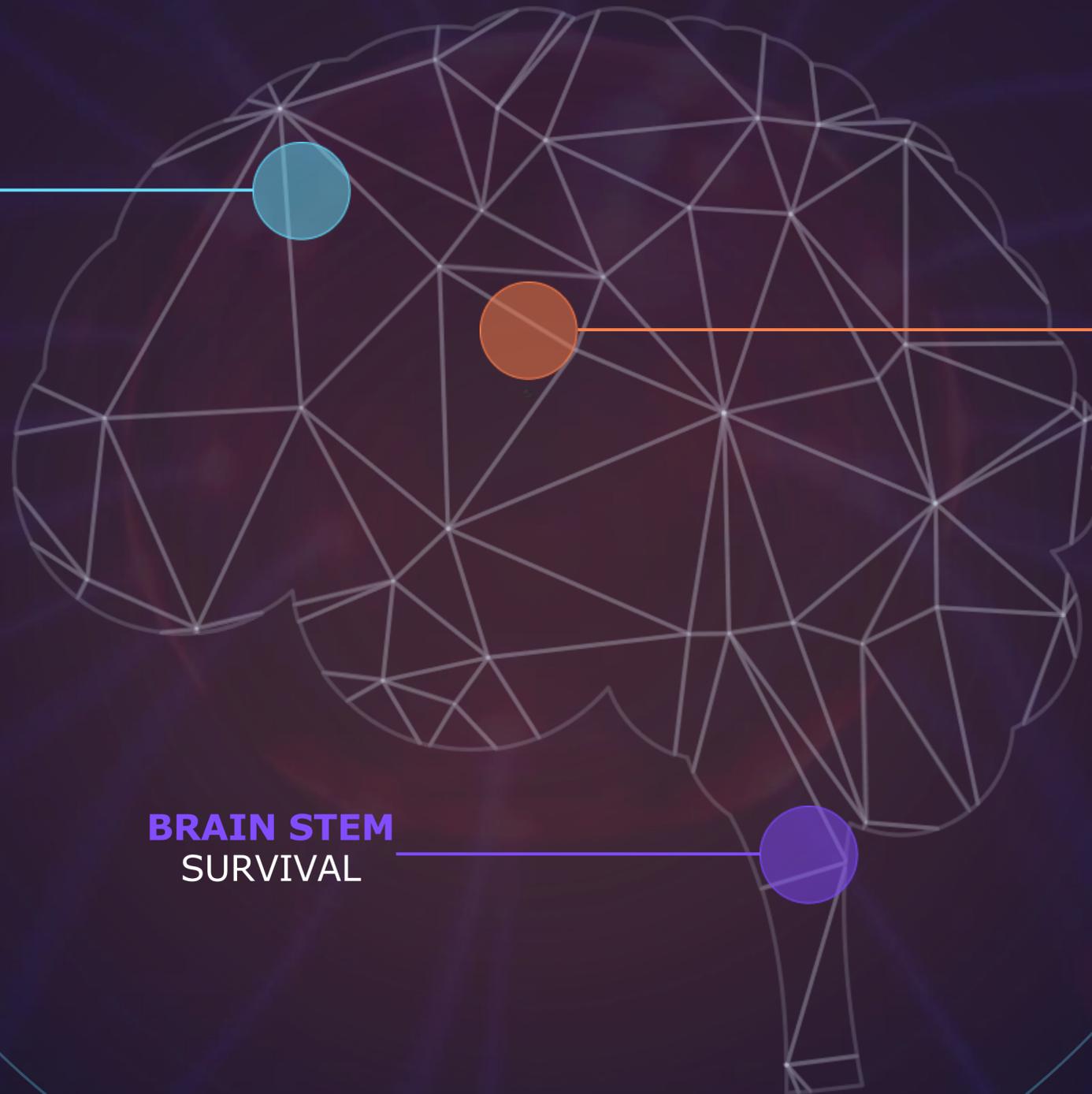
Anca Gosling

Director Content Training & Development



YOUR BRAIN

NEOCORTEX HIGHER-
ORDER THINKING



LIMBIC BRAIN
EMOTIONS & MEMORY

BRAIN STEM
SURVIVAL

ATC – Air Traffic Control or Air Traffic Controllers

ASR – Airport Surveillance Radar

CAT – Calibrated Air Speed

QRH – Quick Reference Handbook

FF – Fuel Flow

PPR – Prior Permission Required

IFR – Instrument Flight Rules

PET – Point of Equal Time

LOC – Localizer



Aeroclass's mission is to create premium-quality aviation training accessible and affordable.

Learn anywhere/anytime from the greatest aviation minds.



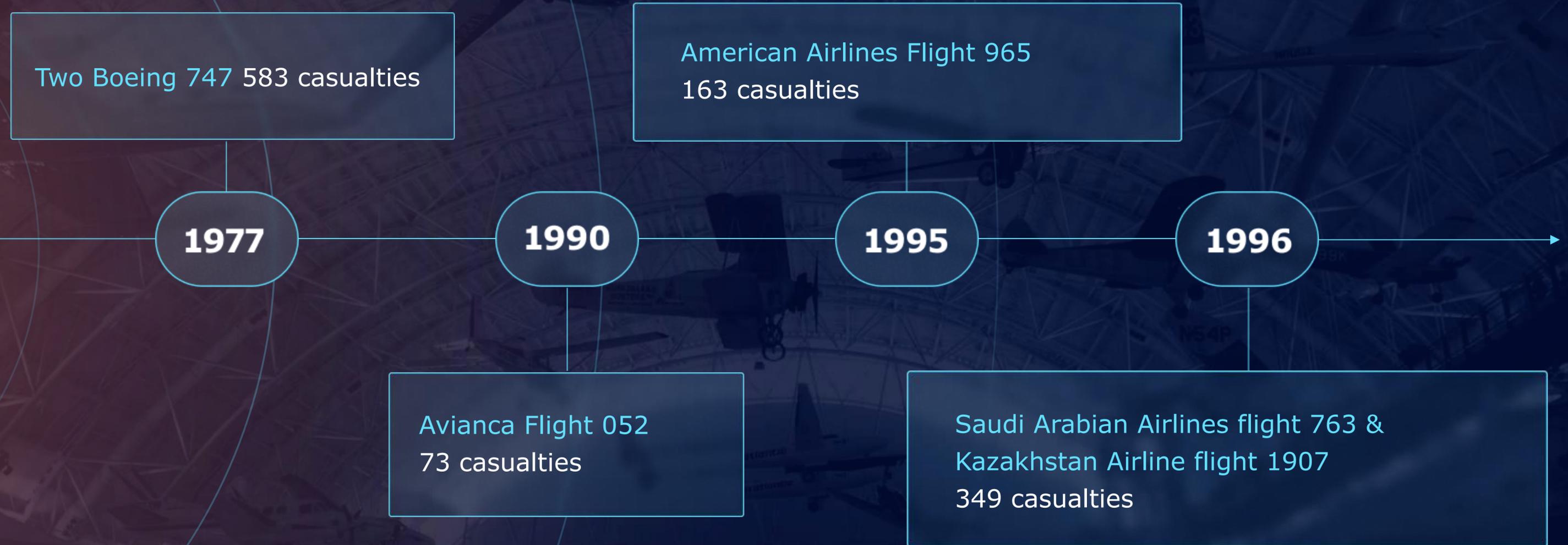
PAST

VS.

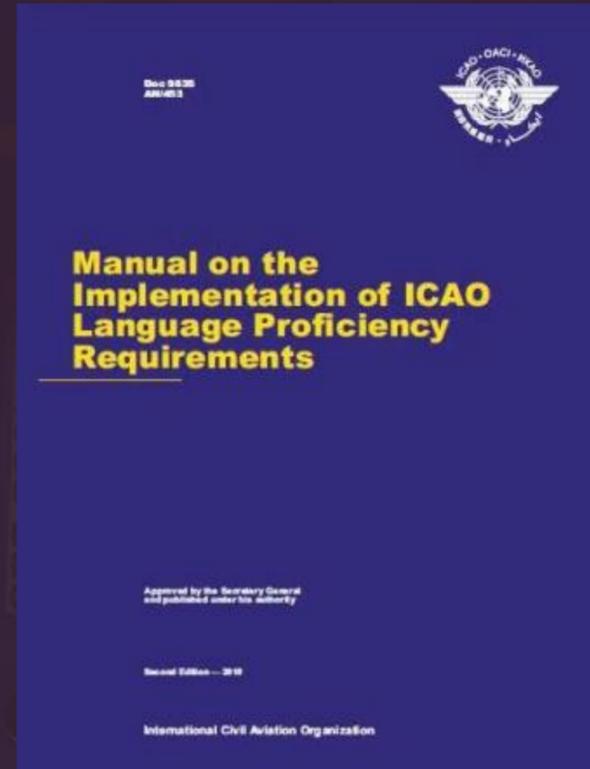
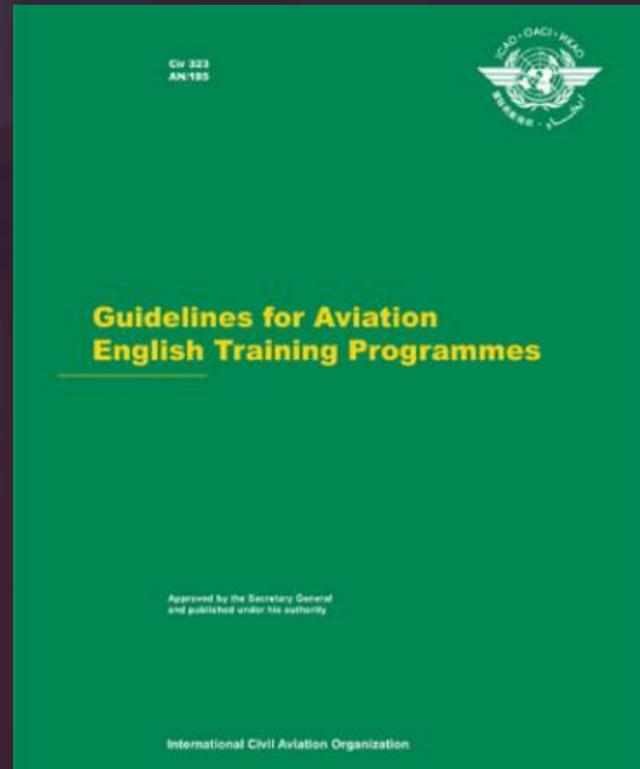
PRESENT



WHY DO WE NEED A LANGUAGE OF THE SKY?



REGULATORY DEVELOPMENTS



- Pronunciation
- Structure
- Vocabulary

- Fluency
- Comprehension
- Interactions
(while communicating).

TRADITIONAL AVIATION ENGLISH TRAINING

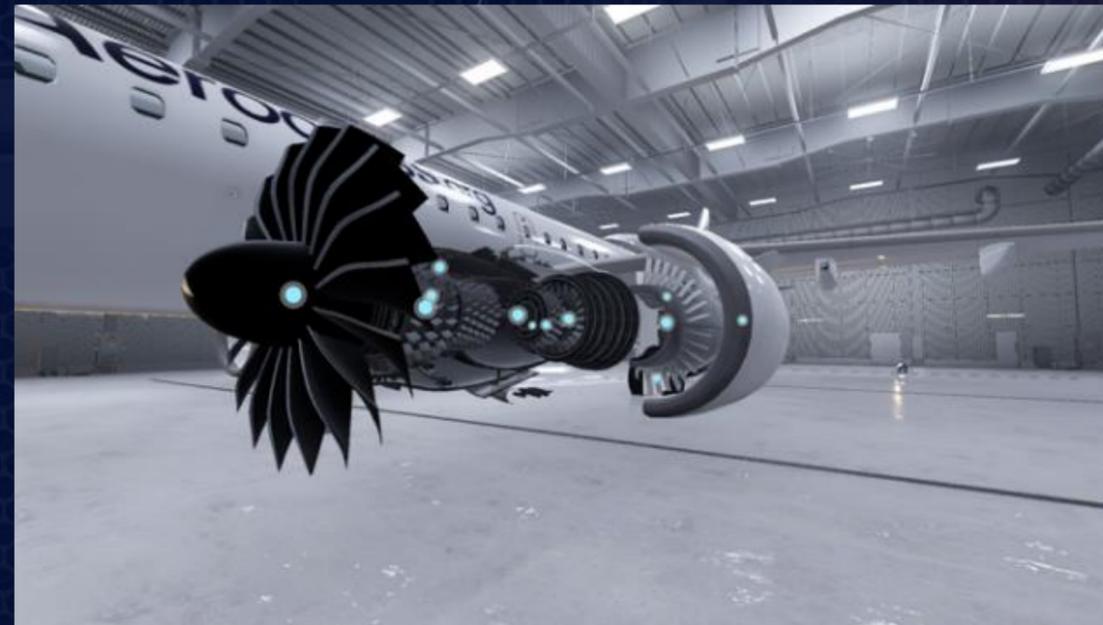
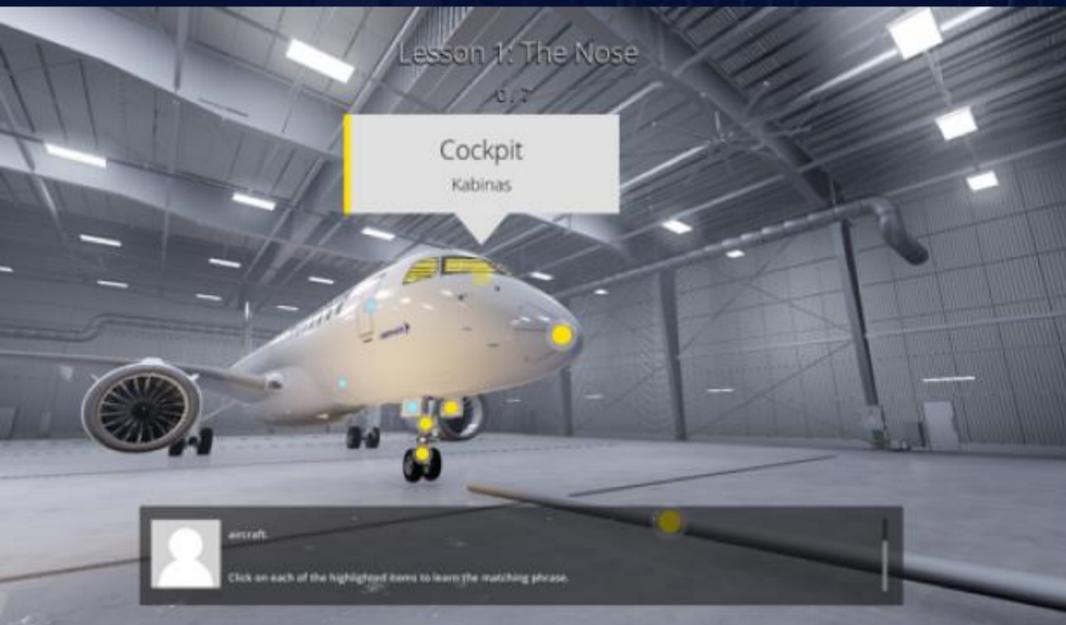
Textbooks

Lack on interactivity

Memorization

Classroom

WHEN TECHNOLOGY PLAYS A ROLE IN AVIATION TRAINING



Technology is particularly effective in addressing language skills such as listening, comprehension, vocabulary building, pronunciation and grammar application. They can considerably reduce the time required in the classroom and allow trainers to make more appropriate use of this time.

- ICAO



Lesson 1: The Nose

0 / 7



DEVELOPMENT STAGES






Sensise
TACTILE TECHNOLOGY



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INSTRUCTIONAL DESIGN



Participants:

- Have a basic understanding of conversational English
- Want to progress to ICAO language proficiency testing
- Like self-directed learning, digital navigation & gamified entertainment and challenges

ASSESSMENTS TESTS

1st level

Seek & gather vocabulary

2nd level

Recollection of vocabulary terms

Example

You collected the word 'aileron'. Please move back to the aileron and click on it.

3rd level

Task to use the vocabulary in a work situation

Example

Go to the left-hand engine intake and locate the large screwdriver that is on the floor. Then, take it to the cockpit.

3 BEST WAYS TO LEARN A LANGUAGE



Learning becomes self directed & challenged



Revisit scenarios, revise key concepts & repeat tasks



Safe space for learning, practice and interaction

Of all the information transmitted to brain,
90% is visual.

As opposed to text,
visuals are processed
60,000x faster.

Human eye can register
36,000 visual
messages every hour.

CONCLUSION

1.

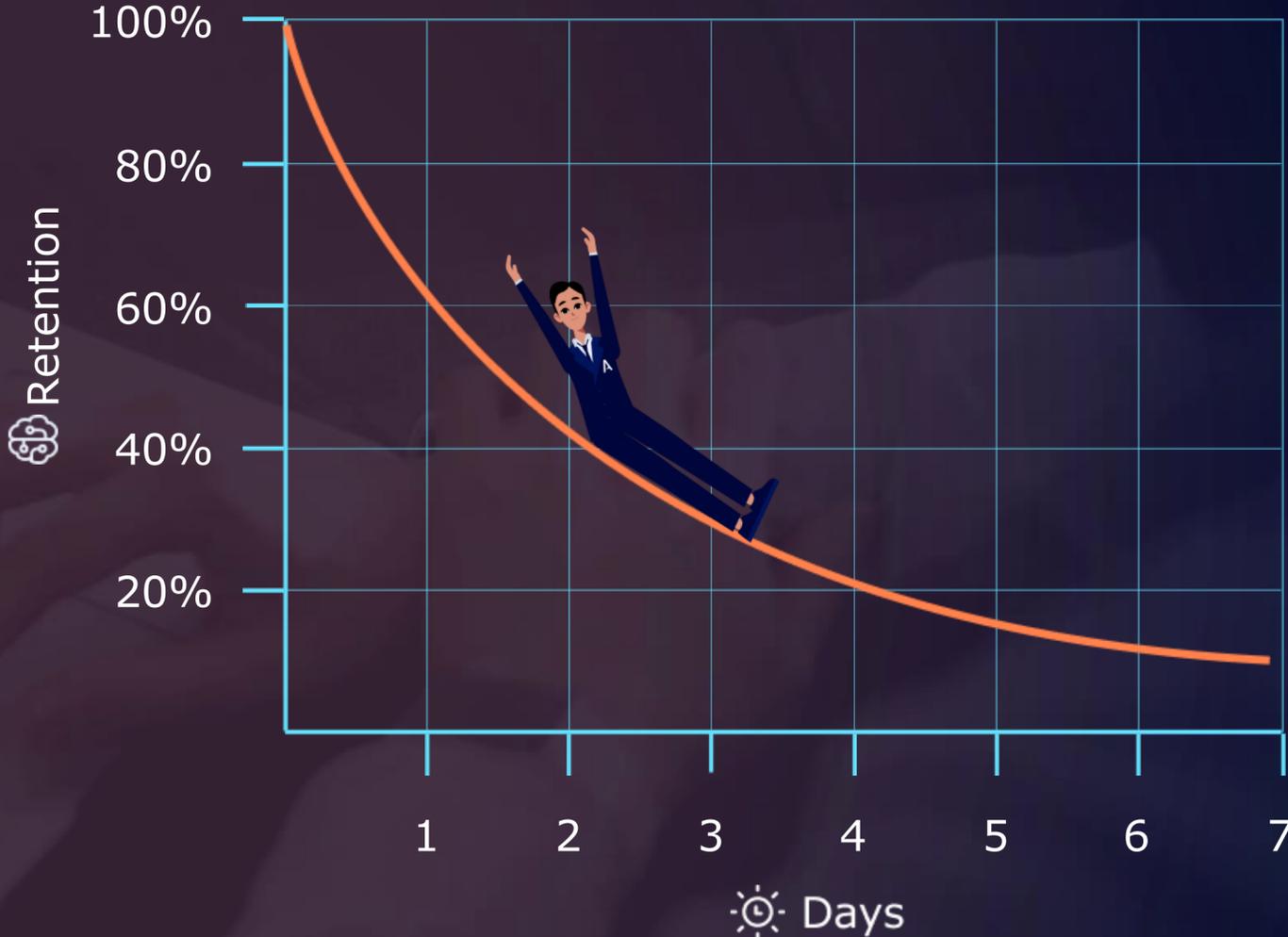
Aviation English Language acquisition is an ongoing process

2.

Learners need to be emotionally involved, motivated and stimulated in a rich learning environment

3.

The Next Generation of Aviation Professionals (NGAP) expect to use technology when learning aviation English



THANK YOU



Contact us

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