



Upside and Downside of VR in Cabin Crew Training

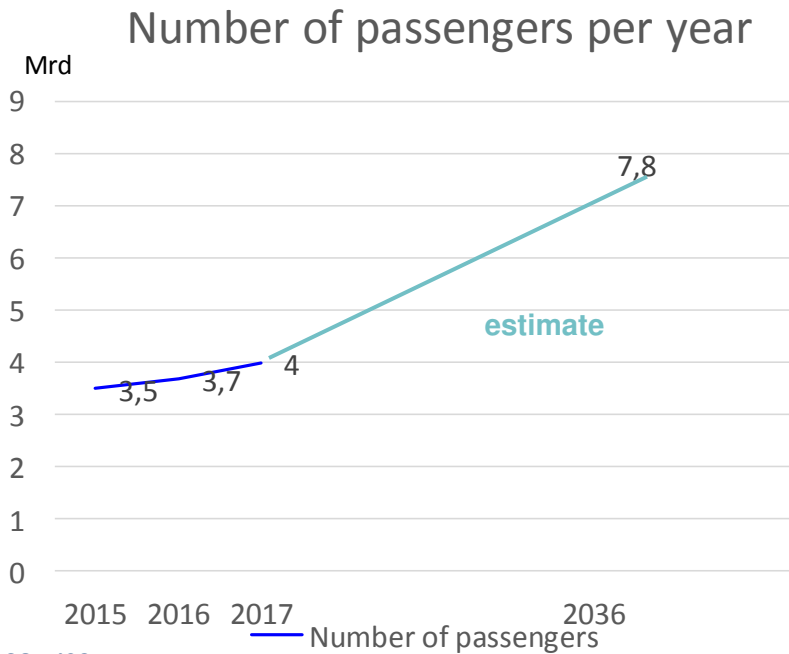


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Flight attendants will increase



Passengers double from 2017 to 2036

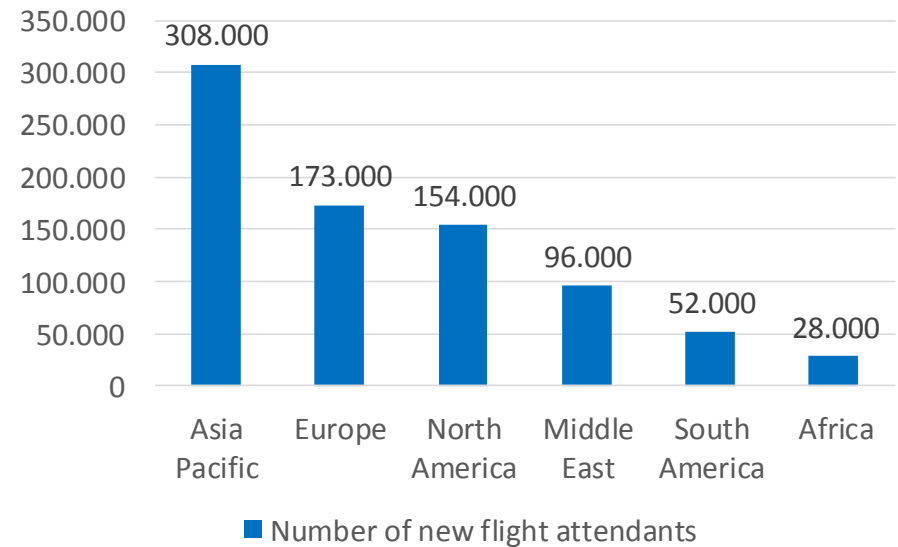


source:

<https://de.statista.com/statistik/daten/studie/374860/umfrage/flugverkehr-entwicklung-passagiere-weltweit/>
https://www.dfs.de/dfs_homepage/de/Presse/Publikationen/Mobilitaetsbericht2016_web.pdf

Ca. 811.000 new flight attendants to be trained

Number of new flight attendants per region



source:

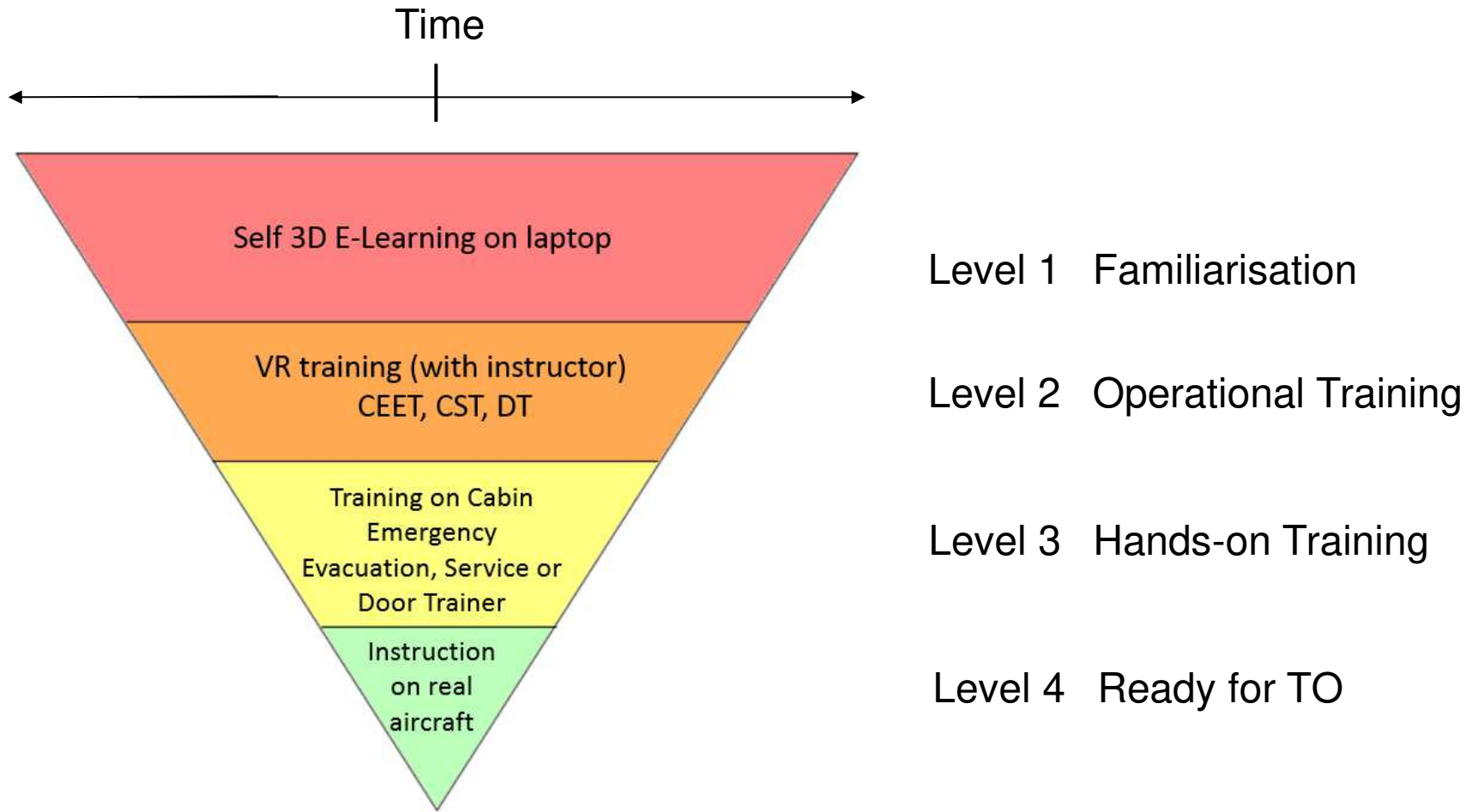
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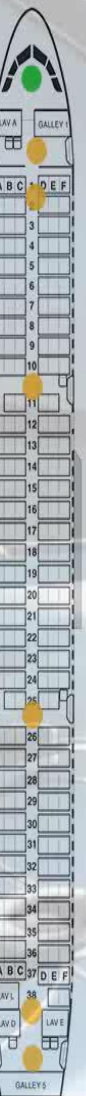


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Operational cabin crew training can be done in four levels





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Simulating ground landing:

With:

Oven fire

Stop simulation



Training Scenario:
Forward Galley Oven Fire

Effectivity of VR for cabin crew training



Study of University of Udine

48 cabin crew

24 users received instructions by traditional training

24 users received instructions by virtual reality training



“only 8 out of 24 members obtained maximum score, and scores for the remaining 16 members included also values as low as 1 and 2.”

“22 out of 24 group members obtained maximum knowledge score (4), while the remaining two members obtained 3.”

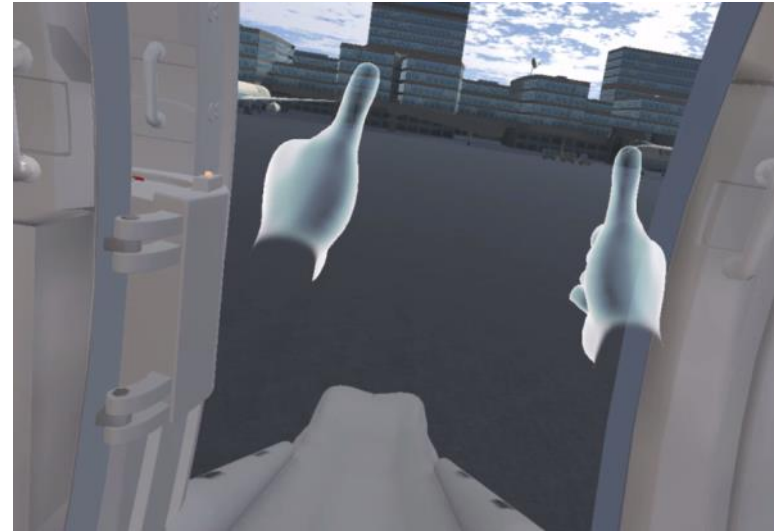


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What are the advantages?

- ✓ Fast learning
- ✓ new simulation scenarios i.e. slide/raft training, bomb alert or terror attack
- ✓ Very realistic environment and sounds
- ✓ it reduces the number of mistakes by more than 50%
- ✓ Increase of confidence levels of Cabin Crew
- ✓ Replaces recurrent training (only once every 3 years recurrent training is required on real simulators)
- ✓ Saves time and resources with savings of 1k€ per Cabin Crew per annum



What are the disadvantages?

- ✓ No real forces
- ✓ Very forgiving
- ✓ Insufficient for crash landings

