



Swiss Aviation Education

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About Switzerland



Area: 41'285 km²
Population: 8.4 Millions

Capital: Bern
Largest City: Zürich

About Switzerland



➤ Swiss International Air Lines

Fleet size: 75

Passengers: 16.52 Mio (2016)



➤ Edelweiss Air

Fleet size: 10

Passengers: 1.3 Mio (2016)



➤ Helvetic Airways

Fleet size: 12

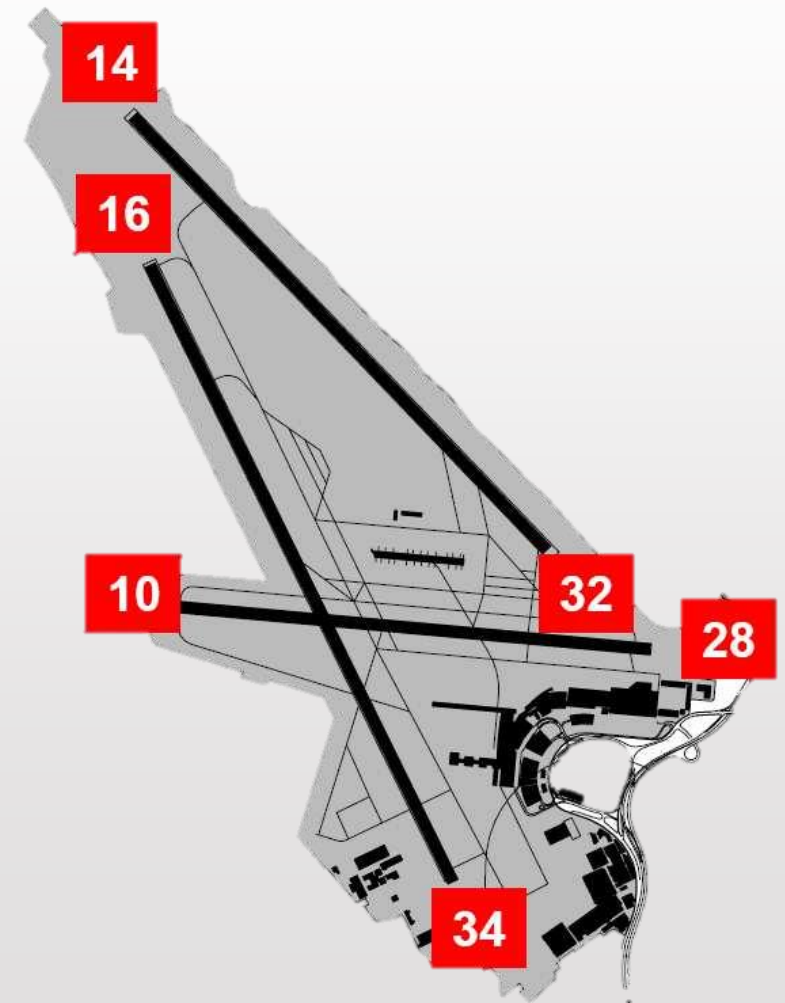
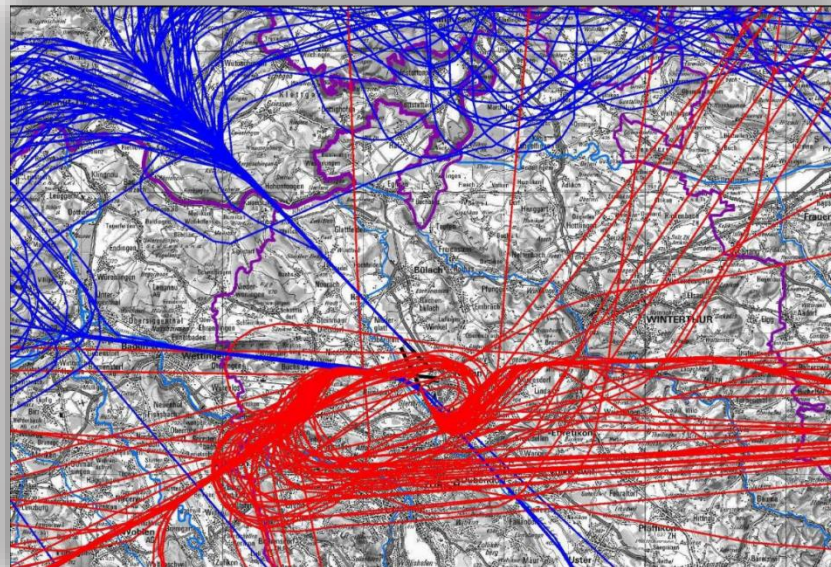
Passengers: 1.75 Mio (2015)

Challenges for Aviation



Zurich Airport

- Near the German border
- Densely populated
- Operation at max. capacity



Challenges for Aviation



- Highly complex airspace
- Mountainous terrain
- Complex approach and departure procedures

Aviation Education in Switzerland



No central Aviation school in Switzerland like Lennuakadeemia



Bachelor's Degree in Aviation

Pilot



- ▶ Aptitude test at Swiss International Airlines
- ▶ 18 months of theoretical and practical training. (60'000 CHF to be paid by occupant)
- ▶ Decision between Swiss International Airlines or Edelweiss Airlines.
- ▶ Possibility to study Aviation at ZHAW parallel. (3 ½ years)
- ▶ Private pilot license at different schools.

Fighter Jet Pilot for the Swiss Army



- ▶ Recruitment during the military service.
- ▶ Aviation studies at ZHAW for 3 ½ years at ZHAW including the pilot specification and practical training at Swiss International Airlines. (only until this year)
- ▶ Special training and type ratings in the Swiss Army.

ATC Controller



- ▶ Aptitude test at Skyguide Switzerland.
- ▶ Education at Skyguide Switzerland.

skyguide



Mechanic



- ▶ Education (Apprenticeship) at Swissport.
- ▶ Swissport is a well-known company operating at many airports in the world.



Aviation studies at School of engineering



Operational Engineering:

- Security- Safety- and Risk Management
- Airport Processes
- National and International authorities
- Air Transport Economics

Technical Engineering:

- Aircraft Systems
- Aerodynamics
- Maintenance and Repair
- Aircraft Certification

Pilot:

- Operational Engineering courses
- Theoretical part of pilot license
- During summer break, practice training at Swiss International