

Course

High Performance Single-Pilot Aeroplane

Course Description

The **High Performance Single-Pilot Course** comprises multimedia-based training, textbooks, question bank and classroom presentation for the following learning subjects:

➔ **AIRFRAME AND SYSTEMS, ELECTRICS, POWERPLANT**

Alternating current - general
Generators
AC power distribution
Pressurisation
Turbine engines
Aircraft oxygen equipment

➔ **PERFORMANCE CLASS B - ME AEROPLANES**

Performance of multi-engine aeroplanes
not certificated under JAR/FAR 25

➔ **METEOROLOGY - WINDS AND FLIGHT HAZARDS**

Jetstreams / Clear Air Turbulences
Standing waves
Flight hazards

➔ **BASIC RADAR PRINCIPLES**

Basic radar principles
Airborne radar
SSR

➔ **PRINCIPLES OF FLIGHT - AEROPLANES**

Transonic aerodynamics
Mach number / shockwaves
Buffet margin / aerodynamic ceiling

Quality & Standards

The **High Performance Single-Pilot Course** provided by infoWERK is in accordance with the regulations for Flight Crew Licensing according JAR FCL.

The multimedia-based training is in line with the recommendations of the Aviation Industry Computer-based Training Committee (AICC).

Doppler Radar

Objects moving toward antenna increase waves' frequency



Objects moving away decrease waves' frequency

