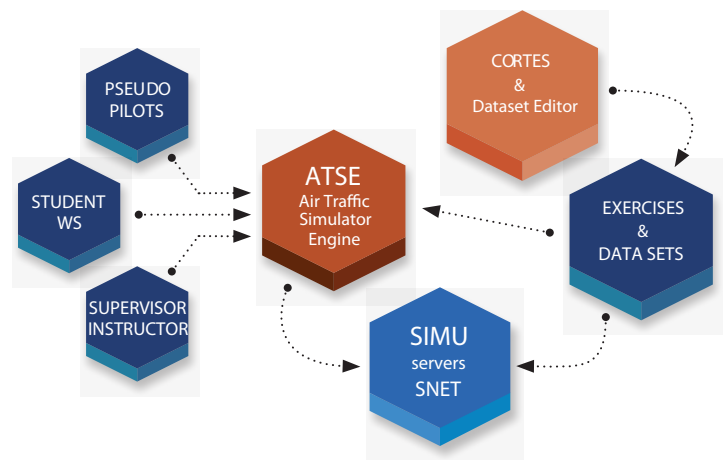


# ATC SIMULATOR

Comprehensive simulator for ATCO training in region (ACC), approach (APP), airport (TWR)

CS SOFT simulators follow the concept of Hi-Fi (high fidelity). They accurately copy ATCO's workplace (user interface, environment, communication with pseudopilots). An actual traffic and aircrafts flow are simulated with a great precision, as well as with the feasibility of dynamic correction of traffic density, meteorological data, pseudopilots intervening, etc. The system offers record and replay tools.



## TECHNICAL FEATURES

### You get a comprehensive simulator consisting of:

- Air Traffic Generator
- SDP
- FDP
- CWS – EC, PLC
- Instructor, Coach
- Pseudopilot
- Exercise controller – environment simulation
- Exercise preparation
- Simulator administration

### Variable use

- Possible to use for ACC, AAP, or TWR
- Additional to ALS ATC system
- Universal display – for aviation

schools and training centres, where a specific FDP features of particular system are not necessary - general ATCO training

### Complete training

The simulator can be used for all kinds of training:

- Ab initio (from the beginning)
- Follow-up training
- Advanced radar
- Retaining programs
- Examination practice

### Lifelike character

The flight trajectory is designed based on the flight plan, aircraft technical parameters and selected meteorological data.

Precise work with the module of

exercise preparation, real traffic data is used.

### Record and replay

The simulator also features recording of the exercise, the evaluation and replay. It is equipped with a controlling workplace with straightforward operation features (pause, revert to a preceding situation in the simulation, faster or slower practice).

### Training variability

The simulator can perform exercise with different number of generated aircrafts and different level of difficulty; starting from the easiest, over to more complicated, up to critical situation management. It is able to repeat the practiced situation or play it in slow-motion.

## USER FEATURES

### Highly modifiable CWS

Thanks to wide configurability, the HMI can be easily customized and adapted faithfully to a lifelike ATC environment.

Electronic strips display.

### User-friendly controlling of pseudopilots

The interface is designed to minimize the number of steps necessary to control the flights, and to enable the operator to control as many flights as possible.

The data and orders given by the operator are monitored for syntax correctness, so the operator receives no possible error reports.

### Wide range of practice settings

The number and parameters of aircraft, their flight plans, actual flight routes, take-off and landing behaviour, the weather, etc.

### General information system

Provides information of both static character (AIP, maps, ICAO doc., RTF bank, locations, etc.) and dynamic character (weather, NOTAMs, meteorological news, restricted airspace, etc.).

### Solution fitting your needs

Thanks to our simulator you are able to provide a high quality ATCO training covering all your needs:

- Practical presentation of ATC concepts application.
- Introducing students to 4D surveillance situation.
- Teach the technology of ATCO thinking.
- Work under time pressure
- Priorities and expectations of the flight development.
- Peculiarities during the flight
- New procedures, their feasibility, tuning.