



ICARUS

AIR TRAFFIC SIMULATOR

Thanks to a powerful customizable simulation environment, the **ICARUS** simulator, a simulation system for Airspace Management, represents one of the most advanced teaching aids, where future Air Traffic Controllers and Airport Operators can be trained in a virtual world, safe, able to faithfully represent all the main dynamics of [Air Traffic Management](#).



It is possible to equip the system with virtual reality devices (**VR HEADSET**), which allow 360-degree immersion within the simulation. The simulator is then completed by an advanced tablet-based communication system that allows you to simulate both [T/B/T radio frequencies](#) and the use of telephones.



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A fundamental role in the development of **ICARUS** and its functionalities was covered by the Air Force, specifically the **R.A.C.S.A.** (Airspace Control Training Department).

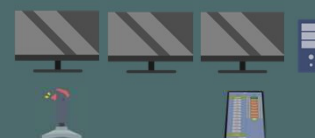


Control Tower

It offers a panoramic view of the virtual environment through **3 monitors/TVs** (generally 50" or larger), allowing the student to observe the entire panorama at a glance.

Pilot Setups

They offer students the opportunity to control one or more aircraft using on-board instruments, such as **RADAR** and **PAR**.




Teacher Setups


The station that **manages the entire simulation** through various functions such as weather conditions management, aircraft positioning and their assignment to pilots and radar display.

Radar Setups

They offer students the opportunity to experience the closest thing to a real surveillance **RADAR**, complete with all the conventionally used functions and symbols.



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