Air traffic simulator

The flight simulator technology L-410 UVP-E20 is designed for wide use in the field of solution and support of various scientific research tasks in the environment of air transport operations. The technology is characterized by a unique feature of integration of 3D laser data and orthophoto images. Therefore, several research tasks are focused on the validation of modeled airports and facilities as part of an import into an existing field database. Another way of using TTpS technology is the area assessing the human performance of aircraft crews. Due to the possibility of simulating standard airplane failures, the simulator is a suitable tool for objective measurement of pilots' reaction time and distribution of their attention, through a block of interfaces based on eye track technology. Research tasks are focused on security and the associated risk analysis and testing of various navigation procedures or new pilot training curricula.

Technology for research in the field of traffic simulators - Flight development system simulator (TTpS)