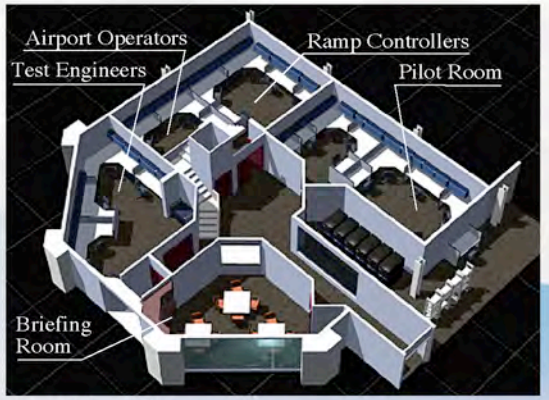
"NASA FutureFlight Central is a world-class air traffic control test facility dedicated to solving the safety and capacity challenges of our nation's airports."

Nancy Dorighi, Manager
NASA FutureFlight Central

A New Approach to Airport Planning

NASA FutureFlight Central is a full immersion virtual airport environment where planners, managers, controllers, pilots, and airlines can work together in real time to evaluate changes to an airport. Your team can test proposed airport layouts, new procedures and technologies in a live, risk-free environment.



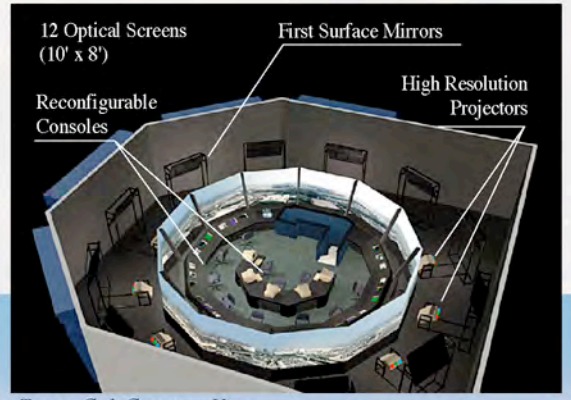
First Floor Cutaway View

Tower Cab Features

Full-scale tower cab configurable to match any control or ramp tower

360-degree out-the-window view of a high fidelity 3D representation of your airport

Simulation conditions: weather (fog, rain, snow), cloud cover, time-of-day (dawn, day, dusk, night)



Tower Cab Cutaway View

FutureFlight Central Capabilities

"Live action" simulation supporting all interacting positions: TRACON, tower, ramp, and pilots

Customizable to your airport, your tower, your fleet mix, and your operating procedures

Real-time peak traffic scenarios simulating the most complex airport operations

Comprehensive aircraft performance modeling

Digital radio and voice communication system

Video/audio recording and playback from any controller, ramp tower, or pilot eyepoints

Data collection/analysis of aircraft movement