



Airspace Simulation and Modeling

Partnering with you on complex airspace simulations.

Jeppesen is a leading developer of advanced airspace and airport simulation, decision support and scheduling systems. Using our sophisticated range of software products, combined with more than 80 years of expertise in the aviation industry, we offer unsurpassed consulting solutions to customers around the world.

- ✔ **Simulation experts** – The Jeppesen Total Airspace and Airport Modeler (TAAM®) software used by our consultants is the same product we develop and license for customer use. This gives our consultants an unparalleled understanding of TAAM, a close connection to our developers, and ensures our teams understand and act on your needs. We develop “what-if” scenarios and simulation study alternatives, compare results with known baseline conditions, analyze study outcomes and train users around the world in basic and advanced TAAM features.
- ✔ **Experience** – Our consultants have extensive ATC, operations research and project management experience from every region of the world and have performed studies for global aviation organizations on six continents in more than 20 countries.
- ✔ **On time, on budget** – Our team has an outstanding track record of completing demanding simulation projects on time and according to your exact specifications.
- ✔ **Highly responsive** – Jeppesen consultants are experienced and well-equipped to address your airport and airspace needs and challenges. We can help you define the problem, build a business case and recommend the best simulation methodology.
- ✔ **Customer-focused** – We provide regular project reports and interim results for full engagement throughout the project. From problem definition to presenting results to senior management, Jeppesen consultants possess the qualifications and dedication required to meet your specific needs and we’re ready to assist you anytime, anywhere.

Air traffic solutions

- ✔ Capacity analysis and projections

- ✔ Schedule analysis
- ✔ Environmental impact of noise and emissions
- ✔ Airspace and ground movement studies
- ✔ Procedure optimization and delay reduction analysis
- ✔ Disruption management

Airport management solutions

- ✔ New infrastructure analysis, including new airport layouts, proposed terminals, runways and taxiways
- ✔ Capacity analysis and projections
- ✔ Master plan validation
- ✔ Passenger and baggage flow simulation
- ✔ Security procedures analysis
- ✔ Ground movement studies resulting in complete airport analysis

Proven history of success

Jeppesen consultants have a proven track record helping major airports, airlines and air navigation service providers achieve substantial financial savings, operational efficiency and reduced operational and project risk:

- ✔ Analyzed a Middle-Eastern country’s planned airport design to identify potential capacity issues and airline delay constraints

Airspace Simulation and Modeling

- ✔ Identified infrastructure limitations in an Australian airport's master plan
- ✔ Assisted a major U.S. airline in minimizing the impact of disruption during the construction phase at a hub airport, and helped another identify more efficient ground movements through a schedule analysis
- ✔ Studied an Asia Pacific airport to evaluate locations for a low-cost carrier terminal as well as to help them prepare for A380 operations
- ✔ Performed major analysis of entire airspace regions to help countries prepare for higher traffic—projects included analysis of flight procedures, study of the impact of RVSM, ground capacity and movement studies, master plan alternative review and more

Learn more about what we offer.

For more information, please email sales.gma@jeppesen.com