

AVT Simulation utilizes the latest technology to develop and design areas for high fidelity Flight, Maritime, and Gaming Databases for a wide variety of training based solutions. It is necessary to have realistic exercise areas that correspond precisely to the environment one will experience in real life. With the advances in simulator capabilities users should expect the highest quality training environment so they stand out from their competitors. AVT's database group engineers are well versed with many of the industry's Image Generators (IG) and Database Generation Systems (DBGS) modeling tools that allow AVT to be a valuable low cost solution for meeting demanding training requirements, program budgets, and schedules for government and commercial projects.

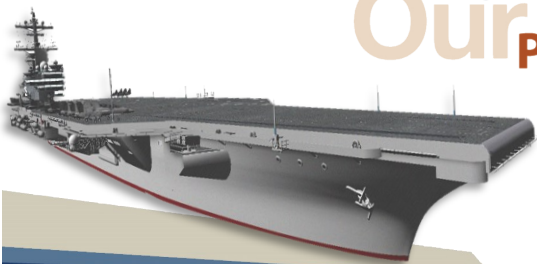
## Customized Area Development

From our experience working with government customers, we have developed rigorous test procedures to ensure a complete final product. AVT will work to design an area specification that meets your company's needs. Our team of expert modelers can output highly realistic and accurate visual details, research requirements, and terrain.

## Other Services

- Correlated Database Development
- FAA Level D Airfield Development
- Maritime Database Development
- Legacy Database Conversion
- Serious Game Development
- DBGS Training and Support
- IG Platform Independent
- 3D Model Development
- Medical Simulation
- Visual Engineering

Your Project  
Our Priority



## Database Maintenance Program

Investing in a Database Variable Term Support Contract ensures that your databases are always current and allows expansion of existing database regions. With this plan you pay for the hours you need to provide the best quality simulation training available.

Our Engineers have a wide range of backgrounds from flight to nautical to game and have experience developing for many engines such as Havok® Vision™, Transas® NTPPro™, Bohemia® VBS™, FlightSafety® VITALX™, and more.



AVT's library consist of VBS, Havok, and Maritime visual databases and over 350 Airfield models that include up to date navigational information, 3D buildings, and feature content.



AVT Simulation designs and develops area terrains for high quality Flight Databases for training based simulations. It is necessary to have realistic exercise areas that correspond precisely to the environment one will experience while maneuvering in real life. With the latest advances in simulator capabilities users should expect the highest quality training environment so they receive accurate data and feedback. AVT's database group engineers are well versed with many of the industry's Image Generator (IG) and Database Generation Systems (DBGS) modeling tools that allow AVT to be a valuable low cost solution for meeting program budgets and schedule needs for government and commercial businesses.

## Customized Area Development

- Highly realistic terrain with visual details enable an immersive training environment.
- Experienced creating FAA Level D airfield models
- Correlated visual, sensor, and SAF databases development.
- Experienced with database acceptance testing and integrating on many of the industry's image generator platforms.
- AVT has a large terrain library that includes geo-specific airfield models, culture features, geo-specific features, clutter objects and moving models to help reduce production cost.

## Database Maintenance Program

AVT's maintenance program provides flexible system support to our customers. As demonstrated by our success on the KC10 program, AVT demonstrated that investing in a Database Variable Term Support Contract ensures that your databases are always current and provide the quality you need in order to deliver the best simulation training available.

- Update databases to match the latest version of your simulators software.
- Enhance an existing database to customize it for different users.
- Pay for only the hours you need for the work you want.

AVT's **Airfield Library** contains over 350 geo-specific high fidelity areas that include accurate and up to date airfield lighting, 3D buildings, ground feature content and moving

## Platform Experience

- Diamond Visionics® Genesis™
- Fidelity® FidView™
- Quantum 3D® Independence®
- FlightSafety® VITALX™
- Havok® Vision™
- MetaVR™
- Rockwell Collins® EPX
- RSI® Raster xT™
- Havok® Vision™

Your Project  
Our Priority



AVT Simulation designs and develops area terrains for high quality Maritime Databases for training based simulations. It is necessary to have realistic exercise areas that correspond precisely to the environment one will experience while ship handling in real life. With the latest advances in Maritime simulator capabilities users should expect the highest quality training environment so they receive accurate data and feedback. AVT's database group engineers are well versed with many of the industry's Image Generators (IG) and Database Generation Systems (DBGS) modeling tools that allow AVT to be a valuable low cost solution for meeting demanding training requirements, program budgets, and schedules for government and commercial projects.

## Customized Area Development

- Highly realistic visual details and depths that enable accurate berthing maneuvers. For high level of detail sections, bathymetry is output with a very high fidelity.
- Navigational aids are replicated to the actual size, shape, color, and other local criteria based on supporting photographs and List of Lights publications.
- Our team will work with you to design an area specification that meets your company's needs and requirements.
- Implement AutoCAD plans into an area to test a design layout for new terminals and channels for research.
- AVT has a team of expert modelers which allows us to get started quickly and finish before your deadline.
- From our military experience we have developed a rigorous test procedure to ensure you are delivered a quality product that works the first time.



Your Project  
Our Priority

## Database Maintenance Program

AVT's maintenance program provides flexible system support to our customers. Investing in a Database Variable Term Support Contract ensures that your databases are always current, and provides the quality you need in order to deliver the best simulation training available.

- Update databases to match the latest version of your simulator's software .
- Latest Local Notice to Mariner can be applied to ensure your areas are up to date.
- Expand an existing database to allow customers to utilize new areas.
- Pay for only the hours you need for the work you want.



### Our Database Library

is available for the Transas® NTPro.

These areas are continuously updated with the latest LNM and expanded to include new areas and details.

