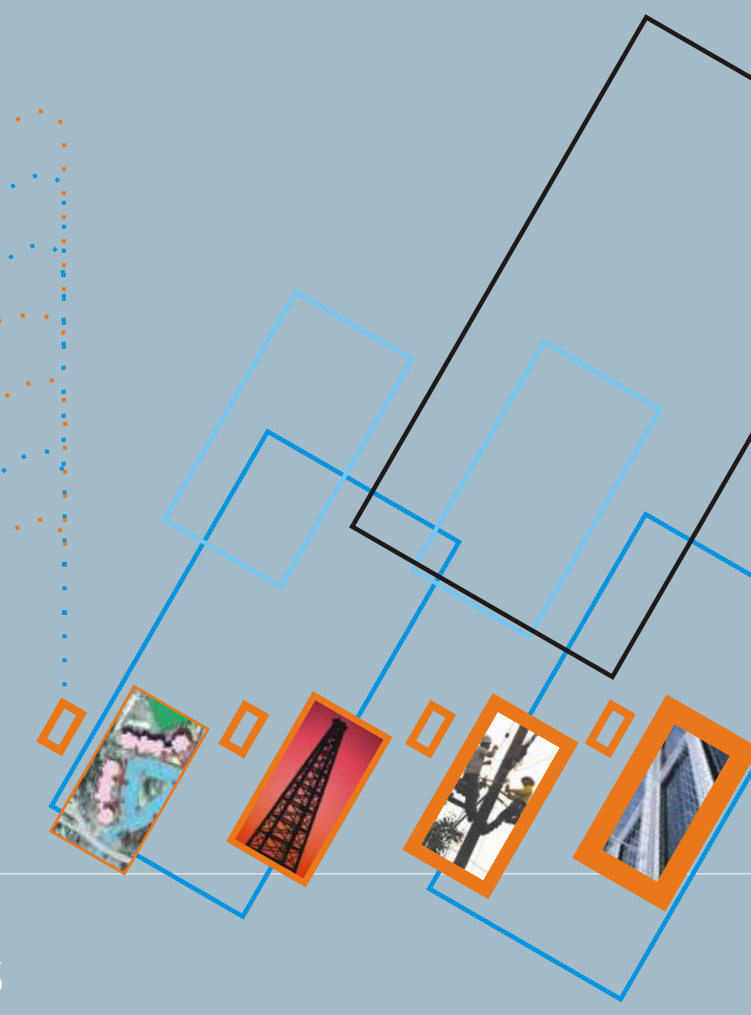


Data Conversion
 Data Migration
 Data Maintenance
 Application Development
 Photogrammetry
 Mapping
 Outsourcing



Avineon, Inc.

Head Quarters
 4825 Mark Center Drive, Suite 700
 Alexandria VA 22311
 703-671-1900

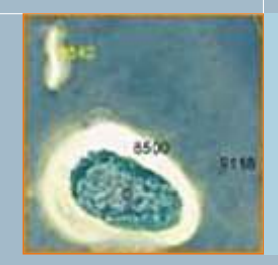
Florida Operations
 15500 Lightwave Drive, Suite 200
 Clearwater, Florida 33760
 727-539-1661



Geospatial Solutions



Avineon, Inc., a world leader in Geospatial Solutions for the industry and government, uses the best available tools to model, design, implement and maintain a wide spectrum of applications. With documented ISO 9001:2000 procedures, Avineon creates the geospatial solutions that make the most effective use of clients' geospatial, facility and business information. Avineon has offices in Alexandria, VA, Chicago, IL, Clearwater, FL, Huntsville, AL, and Juno Beach, FL; staffing at customer sites nationwide; in Surrey, United Kingdom; and a major data conversion and software development facility in Hyderabad, India.



Avineon specializes in the generation, manipulation, management, and maintenance of data for GIS and other information management systems, and offers the full range of services necessary for successful geospatial data implementation to various local, state and federal government agencies; telecommunications and large utility companies; and the private sector.

Avineon Geospatial Solutions



An ISO 9001:2000 Registered Company

Data Conversion

Whether converting hard copy maps to digital formats, surveying the customer's site, collecting data, or validating existing maps or drawings, Avineon has the resources, and processes to meet the clients needs for conversion services and data integration. Using a wide range of tools from the leading GIS vendors, Avineon converts drawings, schematics, and maps to systems including AutoCAD, CADTEL, ESRI, GE Smallworld, Intergraph, and MicroStation so that spatial data can be better visualized, distributed, analyzed, and maintained.

Data Migration

With strategic affiliations and business partnerships with AM/FM/GIS industry leaders such as ESRI, GE Smallworld, and Miner & Miner, Avineon has been providing conversion and migration services to various clients for many years. It is with this knowledge, training and experience, we are able to make a significant contribution to many different migration projects. Because geospatial systems are complex and require high functionality, all migration and conversion efforts need to be undertaken by firms with strong understanding and capabilities in providing these services. We at Avineon have this experience to ensure all projects are executed and delivered with confidence and accuracy.

Data Maintenance

Following data conversion, changes to facilities networks, cadastral fabric and landbase necessitate continual digital file updates. Some clients perform maintenance activities in-house. Others elect long-term, outside maintenance, while some opt for outside maintenance only to eliminate backlog during their AM/FM/GIS start-up period.

When using Avineon's system for maintenance, the client's GIS resides on our hard drives, and digital data is updated from as-built work orders or other sources. When using a client's system for maintenance, Avineon accesses the database through a high-speed dedicated link and uses source records and work orders to make on-line database modifications. For periodic updates, digital files are sent to Avineon with outstanding as-built work orders. We post the work orders to the digital files, run verification programs, conduct manual checks, and return the updated file to the client.

Application Development

Avineon offers application development and related professional services in GIS. Avineon has a wide range of experience, from developing specialized applications and solving problems for a specific industry to developing institutional applications suited for a large organization's day-to-day operations.

Our staff is regularly developing complete systems using the state-of-the-art software that involve the full suite of commercial database management systems and programming languages. Avineon's programming services staff have proven expertise in a variety of GIS and related technologies. These include traditional GIS, Enterprise GIS, Desktop Mapping, Internet Mapping, Spatial Data Warehousing, and GIS Training and Operations Support.

Photogrammetry

Avineon's photogrammetric services include ground control survey, fully analytical and digital aerial triangulation, stereo compilation, digital terrain modeling (DTM), digital elevation modeling (DEM), planimetric mapping, and digital orthophoto production. Avineon's photogrammetrists create planimetric and topographic maps, landbases and rectified imagery. In addition, we have completed the development of several parcel databases designed for use by property appraisers. We acquire aerial imagery using our nationwide network of aerial photographers and digital imagery acquisition companies. All photogrammetric projects are managed by ASPRS Certified Photogrammetrists (CP) and Professional Surveyors and Mappers (PSM).

Avineon is a leader in the production of county-wide vector base maps, digital orthophotography and related GIS databases. We have completed the base mapping of many counties and other agencies. Frequently these projects require the following workflow: mission planning, establishing a ground control point network, aerial photography acquisition using airborne GPS and Lidar, aerial photographic scanning, aerial triangulation and QC, analytical or softcopy stereo compilation, CAD to GIS translation and rigorous quality assurance for each task.

Environmental & Resource Mapping

Avineon offers extensive experience to clients interested in the acquisition of aerial imagery, map and GIS data aimed at environmental concerns. We are experts in field reconnaissance, wetlands mapping, vegetation mapping and monitoring, in-field GPS mapping, environmental resource inventories, and the trend analysis of environmental themes over time. Avineon adapts mapping techniques and products to the specific needs of environmental clients such as federal, state, municipal, and county agencies. We are able to bring a variety of photogrammetric and image processing mapping tools to projects requiring the detailed mapping of environmental features. Clients such as water management districts, natural resource agencies, planning agencies, and agricultural firms frequently rely on data developed by Avineon in order to make informed decisions related to environmental goals.

Outsourcing Services

Many U.S. corporations have successfully adopted the "offshore approach" to sharpen their competitive edge to face increasing global competition. The offshore outsourcing of key technical and production services dramatically reduces costs. Combined with superior U.S. management and core staff, lower costs can be realized without compromising quality or turnaround time.

Avineon can offer the benefits of outsourcing services by adding an extension to your own Engineering Department, with professionals who are experts with your applications and standards, at a significant savings in cost and time, with substantially higher throughput, and with specific attention to quality.