

Geospatial Application Development Services

AN AVINEON GIS SOLUTION

GIS APPLICATION DEVELOPMENT AND ENHANCEMENT SERVICES



SW-CMMI Level 3, ISO 9001:2000

SERVICE BENEFITS

- CMM Level 3 assessed.
- Over 20 years of experience integrating strategic business systems.
- Detailed collection and coordination of project stakeholder needs.
- Mature GIS application development framework ensures client review and acceptance at multiple project phases.
- Leveraging COTS application programmer interfaces and custom software development.
- Extensive web architecture experience and rapid legacy system migration.
- Technology experience across multiple IT/GIS platforms, languages, and enterprise environments.

THE CHALLENGE

New geospatial application frameworks such as the Open GIS Consortium, Federal Enterprise Architecture, technical and data reference models, and enterprise architecture integration have created demand for higher level geospatial application development skills.

Standard-based software engineering is becoming a more complex process that requires not only domain (GIS) knowledge and COTS customization experience, but also the ability to develop new applications that adhere to these standards while ensuring interoperability, user adoption, and satisfaction.

That's where Avineon can help.

Avineon's programming staff has extensive experience with COTS GIS technology and frequently assists our clients in developing and customizing GIS applications to suit their particular operating conditions and needs.

Our unified processes enable our developers to work closely with client technical staff to focus on key business needs whilst implementing our CMM Level 3 development and quality assurance systems. In this, our goal is simple, to develop software that's both cost-effective and does not become shelf ware.

AVINEON'S SOLUTION APPROACH

Avineon offers a full range of GIS application development services:

- Applications Requirements Definition
- GIS Applications Design
- Rapid Prototyping
- Application Development
- User and System Documentation
- Enterprise Architecture Implementation
- Customization and Integration of OGC Compliant Products
- Web Enabling and Web Services

Web enabling and GIS application development are two Avineon core capabilities. Our web services experience includes installation and configuration of COTS web and application servers, and advanced customization of vendor internet map servers. We use COTS products such as ArcIMS, ArcServer, .NET framework with Active X connector, Java Script, Java Applet, VB Script, XML, GML, and J2EE to develop custom applications and integrate GIS with client legacy systems. We also are experienced in AutoDesk application development for AutoCAD Map and MapGuide, and we have implemented on the Oracle Spatial (9i and 10g) platform for numerous clients.



AVINEON[®]

Visualize IT. See IT Through.

Geospatial Application Development Services



WHY CHOOSE AVINEON AS YOUR SERVICE PROVIDER?

Experience

- PEPCO VuGIS
- US Navy AVNAVTERP
- Andrew Corp. ADC
- Anteon Corp.

Process

- Structured application design, development, test, and maintenance support services

Application Dev. Partners

- ESRI
- AutoDesk
- GE Smallworld
- Miner & Miner

Warranty

- One year performance guarantee on all products and services

GEOSPATIAL APPLICATION DEVELOPMENT DETAIL

Applications Requirements Definition - The structured process to collect, document, and trace stakeholder requirements for GIS application design and development. Development of project and application specifications database to ensure requirement traceability.

GIS Applications Design - Accomplishing the software design subsystems and developing a software design document that serves as a basis for system and software development. Working closely with client and end-user stakeholders to refine the scope and purpose of the application.

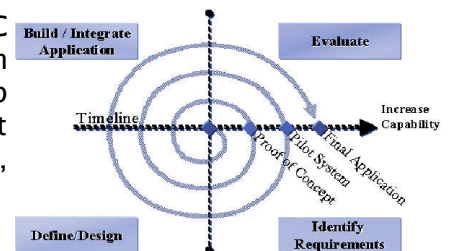
Rapid Prototyping - Rapid application prototyping can be implemented during an iterative design/development process & expedite system functional requirements definition and software architecture reviews during conceptual, preliminary, and formal design.

Application Development Services - The methodical process of turning the formal design into workable software units and developing the program modules for unit, integration, and regression testing. This includes system and software qualification testing as well as user acceptance testing.

User and System Documentation - Developing clear, concise test plans and procedures, user guides, and system administration and maintenance guides.

Enterprise Architecture Implementation - Implementing new geospatial applications within legacy system architecture such as ERP, CRM, outage management, and asset management.

Customization and Integration of OGC Compliant Products - Implementation and development of COTS and OGC web services. Integration of OGC compliant software such as Oracle with ArcGIS, ArcFM, or GE Smallworld.



Avineon UK & Ireland

271—273 King Street
London W6 9LZ
United Kingdom
Tel +44 20 82332835
Fax +44 20 87415296

Avineon France

110 Impasse John Locké
34470 Montpellier - Pérols
France
Tel +33 4 99642600
Fax +33 4 99642601

Avineon Benelux

Zodiakstraat 32
2500 Lier
Belgium
+32 3 4882227
+32 3 4882228

