

Internet and Intranet GIS Services

Having helped a broad spectrum of customers implement GIS solutions for over a decade, ESRI (UK) fully understands the factors necessary for success.

ESRI (UK) Consultancy Services is the largest single pool of GIS expertise in the U.K., including GIS and Business Analysts, System Designers, Application Developers and Project Managers.

Based in offices around the U.K. we offer a range of services, including Desktop and Internet based GIS development, Technical Architecture Studies and Start-up and Strategic GIS Consultancy.

All project life cycle tasks including requirements analysis, system design, programming and testing are carried out in accordance with the ESRI (UK) Quality Management System. The appropriate tools and techniques are determined individually for every project. ESRI (UK) has extensive experience of PRINCE, DSDM, UML and other software engineering and project management methodologies.

This brochure details Internet and Intranet related services that are available. For details of our full range of consultancy services, please refer to the Consultancy Services overview brochure or the other sheets within this series.

The Internet/Intranet is a powerful distribution medium for global or organisational information. Using this technology, organisations can deliver up-to-date geographic and tabular data and web enabled geographic services to their staff, other organisations and the public.

A Complete Service

ESRI (UK) has been designing and building websites, Intranet applications and hosted web services for the last four years and offers the following services:

- Website/Intranet Design
- Internet/Intranet Development
- Systems Integration
- Website hosting
- Application Service Provision

Website & Intranet Design

The design phase of an Internet application is critical given the variety of technologies available and the more restrictive user interface facilities offered to the developer. ESRI (UK) has a wealth of experience in designing and implementing multi-tiered architectures including server-side processes, components and services and client-side applications, user interfaces and servlets. Many of these design tasks have included 3rd party application servers and a wide range of web servers across the Windows and UNIX platforms. ESRI (UK) use a variety of web design tools to rapidly prototype user interfaces and application logic.

Internet & Intranet Development

ESRI (UK) has delivered many Internet and Intranet applications including embedding web services within a desktop client/server architecture. Industry standard Internet development environments are utilised (such as DHTML, ASP, JSP, JavaScript, VBScript and Java) within a comprehensive framework to deliver high quality systems in less time using iterative and incremental development methodologies.

A comprehensive test-bed facility is utilised to ensure that applications work across multiple clients (web browsers, WAP, Digital TV) and web servers.

Systems Integration

Integration of web services with other systems is critical for the successful delivery of integrated front and back office systems. ESRI (UK) utilises the industry standard eXtensible Mark-up Language (XML) to integrate geographic services with other applications such as Call Centre Applications and Customer Relationship Management (CRM). ESRI (UK) is aware of and utilise open standards affecting the industry, such as the Open GIS Consortium Geographic Mark-up Language (GML) and the electronic-Government Interoperability Framework (e-GIF). For example, ESRI (UK) wrote the XML schema for BS7666 (under contract to IDeA) which has now been adopted as an e-GIF standard.

Website Hosting

As well as designing and implementing Internet websites, ESRI (UK) can also host websites and offer 24 hour, 7 days a week administration support. Guaranteed Internet bandwidth provision can be provided within a very secure and safe server environment.

Application Service Provision

Many organisations do not have the expertise or infrastructure to support the development and maintenance of web-based services. ESRI (UK) offers a number of hosted services utilising the provided organisational data. ESRI (UK) manages the website construction, data management and system administration to provide a comprehensive full service delivery.

As an example, ESRI (UK)'s MapsDirect hosted service takes data from Local Authorities and creates a number of personalised applications for the citizen, such as fault reporting, councillor mapping, events mapping and service location



CASE STUDY

UK digital Energy Atlas and Library (<http://www.ukdeal.co.uk>)

The UK Digital Energy Atlas and Library (DEAL) website promotes and facilitates access to data and information relevant to the offshore exploration and production of hydrocarbons on the United Kingdom Continental Shelf. It was developed jointly by the British Geological Survey (BGS) and ESRI (UK).

The site utilises ArcIMS and Coldfusion to present a large selection of reference information and a multi-vendor data products catalogue in an accessible and easy to use format. A key part of the functionality is the generation of Coldfusion reports that are launched via the mapping interface, this required close communication between the two technologies and is facilitated via ArcIMS's Coldfusion connector. The site has been live for two years and has been well received within the industry.

For more information

ESRI (UK) offers a wide range of high quality services to enable you to maximise the benefits of your geographic information. Other services include desktop, database and Internet based applications development and advice, studies and consultancy on strategic and technical implementation.

For further information, please contact your account manager, visit our website at www.esriuk.com or contact ESRI (UK) on 01296 745500



ESRI (UK)
Consultancy Services
Prebendal House, Parsons Fee
Aylesbury, Buckinghamshire HP20 2QZ
e-mail: info@esriuk.com
Tel: 01296 745500 Fax: 01296 745544
www.esriuk.com
www.data-store.co.uk

