IT Development Brokerage Service Information Brochure

The brokerage service provides access to external specialist consultants for database design; SQL server administration and usage; and application development.

Features

✓ Access to specialist consultants in four areas:
   1. Database Design
   2. SQL Server administration and usage
   3. Application development

✓ Ready-procured external consultancy expertise through a framework
✓ Assisted contract management
✓ Pre-defined service levels
✓ Ability to host assets on University servers, or, where appropriate, through external providers.

The service is available to staff at Newcastle University leading projects and running services requiring managed assets such as websites, databases and applications.

Costs

1. Initial scoping and IT Service consultation: no cost
2. Consultants delivery: Between £450 and £700 (excl VAT) per day dependant on the supplier used and the specialism required.
3. Other Costs: Dependent on the work being requested these could include, for example, external domain hosting, software licences, content licensing, etc.

The Suppliers

Information about the four suppliers included in the service is provided on the following pages.

Further Advice and Information

1. Contact the IT Service Desk on 85999 or it.servicedesk@ncl.ac.uk to request a consultation.
CREATIVE & DIGITAL DESIGN CAPABILITIES

• Concept Creation
• Total Brand Solution Design
• Website & Microsite Design
• Responsive and Multi-Platform Design
• Interactive Presentations and Components
• HTML5 Banner Ads
• Front-End Tablet Magazines
• Blog/Open Source Platform (set-up and management)
• Bespoke Animations
• Interactive Learning Tools & Digital Sales Aids
• 3D Art, Illustration and Animation
• Movie Editing

STRATEGIC

• Full strategic planning capability
  o Digital Engagement,
  o Encompassing planning,
  o Creation, Actualisation and Evaluation.
• Research & Development
  o Feasibility
  o Concept / Prototyping

FRONT-END DEVELOPMENT

• X/HTML5 / Web Apps.
• CSS3
• JavaScript Applications
• Dynamic Responsive Design
• Cross Browser, Cross Platform, Cross Device

SERVER SIDE / SOFTWARE DEVELOPMENT

.NET & JAVA SPECIALISTS

• Bespoke Software Development: Web Application, Messaging System & Databases.
• Bespoke CMS (Content Management Systems).
• Bespoke and integrated E-Commerce Solutions.
• Full Systems Integration: The sharing of information can take place from one system to another and with other supporting internal / external services.
• Client Support Systems. Designed for a professional customer support service and therefore improved customer loyalty. Including Business Intelligence Systems (BI) such as SharePoint or MS Dynamics CRM.
• Online Continuing Professional Development (CPD) & E-learning Systems.
• Sales Tools: Online Presentation & "Tender Builder" Software. Central repository of product and sales information to aid members to create their own presentations.
• B2B: Trade transaction processing and documentation systems. Including integration with shipping, port and UK customs systems.
• Testing, Reporting & Statistical Analysis Tools Including the appropriate use of mobile and website applications to provide secure access to the relevant information.
• Database Design and Construction.
• Intelligence monitoring systems.

CLOSING NOTE

Boxmodel are digital and software specialists, fusing commercial strategies with cutting edge creative and software skills. With decades of digital expertise and knowledge we can offer partner capabilities beyond that seen by many. The key is that we are continually carrying out R&D and implementing many cutting edge solutions both in-house and for our clients and partners. With correct planning, expertise and management anything is possible.
Although Data Architects is a young company, formed in 2007, its consultants provided a service for many years through the Data Management Service. DMS was a 'third strand' unit providing chargeable services within the University but primarily to external clients. The company has grown sustainably each year since then.

Data Architects is deeply committed to high quality systems design. Our wide ranging backgrounds and research experience ensure that we are able to fully understand the client’s needs. This results in design and structure that will really work and which will be extensible as the future brings new needs and ideas. Our strength is in our commitment to understand the real entities involved in every case and to use this to create solutions that best fit our clients and their requirements.

All of the team have significant HE experience and a comprehensive understanding of how universities work in terms of research, teaching and administration.

We build our systems to work for the client, and to last.

**Services we offer include**
- Application Development
- IT Consultancy
- Data Management
- Research Databases
- Administration Systems

**Examples of our Newcastle University systems**

**Newcastle Brain Tissue Resource:** A Brain Bank database which not only maintains the information about the tissue in storage but includes clinical data and allows searching for tissue based on coronal level, Brodmann Area and brain function.

**Out of Hours Working System:** A simple web application replacing building signing in books for out of hours work.

**Postgraduate Researcher Development Programme:** This system manages the PG training programmes in HaSS and SAgE: student bookings, attendance and feedback.

**Isotope Stock Inventory System:** Providing an online portal for recording the disposal, storage and transfer of radioactive materials around university sites. Provides means for checking totals against limits and authorisations, including tailored notifications should any be close to being exceeded.

We also provide systems and services to other Universities in the NE and nationally, small businesses and charitable organisations. Examples include the UK Cetacean Stranding database (www.ukstrandings.org) and an interactive web portal containing data on the life-history, ecology and geography of all mammals (www.utheria.com).

**Contact Details**

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www.dataarchitects.co.uk

0333 200 5448
Introduction

Ecommnet is a company with extensive expertise in complex software development and system integration. Our work encompasses web, mobile web and applications for desktop and backend database manipulation.

Our software development expertise has been successfully deployed across a diverse range of verticals including: financial services, manufacturing, civil engineering, transport, tourism, social media, education, e-commerce and medical. This diversity is highly valued by our clients since the experience gained in one sector can often be used to deliver innovative solutions to the challenges posed in another.

Database design

Ecommnet have designed and developed many relational database-based solutions for a wide range of customers. This work has covered many database types and scenarios, from data driven web sites using MS-SQL or MySQL through to complex integration projects using legacy databases, XML feeds and compact mobile relational database systems.

Content Management Systems for websites and applications

We have delivered many successful web and mobile development projects using CMS technology. We can customise and build upon off-the-shelf features already offered by the CMS to create the best possible content management system for our clients’ specific requirements.

We have a number of our own software modules which have been developed as “plug-ins” to provide significantly enhanced functionality, in particular for video processing, social media integration, mapping and location-based tools.

Our resulting CMS solutions support simple and straightforward publishing, editing and modifying of content, to be repurposed across desktop, tablet and mobile views of sites. They support full control and management of documents, images and media, including versioning, archiving, and workflow.

Mobile Applications

Ecommnet have designed and built a number of diverse mobile applications which leverage our UI design, database, mapping, multi-media, social and CMS skills. These include applications for stockbrokers, medical systems, tourism, travel journals (see Off Exploring), attraction guides (see Discover Margam App), road maintenance and e-learning.

Summary

Ecommnet should be considered for projects with the following requirements:

- High quality front end/ UI/UX design
- Sophisticated social media functionality
- The capture and/or delivery of video content across multiple platforms (PC, Mac, Smartphone tablet etc)
- Interactive mapping functionality
- Location based functionality
- Database driven websites
- CMS based projects which span web, mobile web and mobile applications
- Responsive website design
- Integration with back end or legacy databases
- Mobile application development
- Complex or demanding security
1. Introduction
Perfect Image is a full service IT Company based in Newcastle and is a Microsoft Partner in recognition of our extensive knowledge and of the quality of our work.

Our teams include a range of technical specialists (developers), user interface designers and support engineers. We also have a very experienced team of project managers and IT consultants ready to help drive your projects.

We want to develop trusting and valued relationships with our clients. Our methods aren’t focused on us, they are focused on you. We adopt a consultative, clear thinking approach, taking the time to help understand your objectives before we define the best solution for you.

We can work collaboratively with your internal IT/development teams, any of your external suppliers and even with any other IT providers you work with. We have a proven track record of creating strong strategic partnerships with our clients.

2. Expertise & Skills
As part of the requirement to be a preferred supplier to Newcastle University we focus on the following;
- database design;
- Microsoft SQL Server administration and usage (SSRS, SSAS, SSIS);
- application development;
- website design and support.

The Perfect Image focuses on technologies that offer best practise solutions for our clients and continually invest in training and development to always keep up to date. As a result we highly skilled in the following;
- C# (.NET v2 to v4.5);
- VB.net;
- ASP.NET MVC (all versions up to and including version 4);
- WPF;
- JSON;
- jQuery & jQuery UI.

3. Summary
Our culture is defined by our attitude to our clients and the quality of our work. This has always been of paramount concern and the success of this approach is demonstrated by the long term valued-added relationships we have with clients in sectors such as High Education, Public Sector, Business Services and Manufacturing.

We are very interested in working closely with you and look forward to understanding if there are projects we can work together and help you deliver.