igence

the adaptable software people

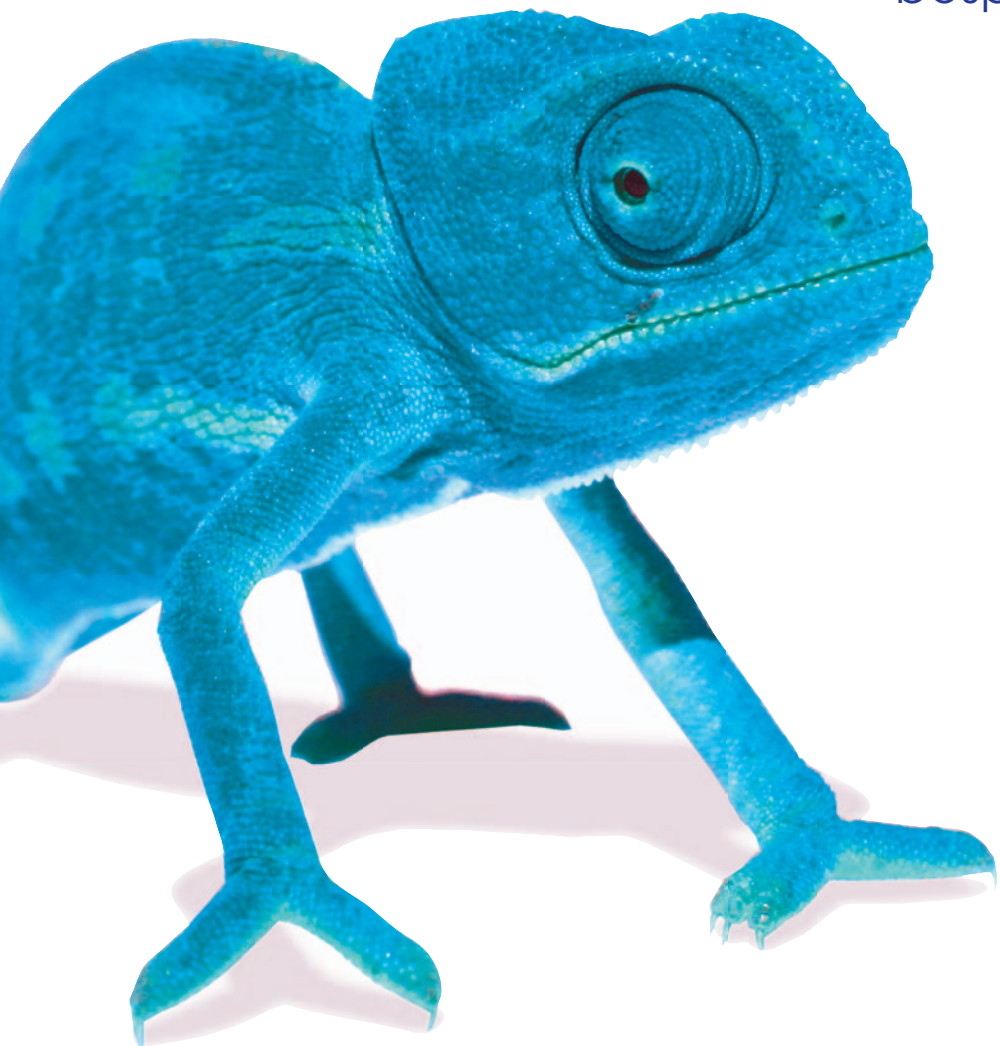
defence systems

igence developers have worked on many of the major uk and european defence projects of the last twenty years.

igence is therefore uniquely positioned to provide our clients with all of the design and development skills they need to deliver their software projects.

each igence developer brings their own area of specialisation and our cross training program aims to maintain all developers at expert level. our small teams:

- **liaise** directly with clients to elicit requirements
- **provide** advice and guidance on appropriate functionality
- **utilise** evolutionary prototypes to test and refine assumptions and finally transition to a stable and complete solution.



bespoke **software** engineering

quite simply, bespoke software engineering is what we do.

we are a team of highly experienced developers who dedicate themselves to your task – be it providing niche software development or even rescuing a doomed project. we are also proud to be one of the few remaining software out-sourcing consultancies that is not offshore.

whether your software is at the concept stage, in need of specialist development support or even unstable and heading for failure we can keep you on track with the software you need, when you need it.

the igence development process - how we work

small teams of highly experienced developers, supported by business personnel, work directly with our clients. this close working relationship means that clients can expect to receive a level of technical and commercial service that traditional software houses are unable to match.

our process recognizes two fundamental truths about software development;

- it is extremely hard to establish precisely what is required.
- when requirements are established only very experienced teams can actually deliver real software.

evolutionary prototyping

we firmly believe that flexibility is the key to establishing requirements because we can adapt to changes as a project progresses. this is why evolutionary prototyping forms the core of our development process. using this technique we employ short development cycles followed by client review, modification and final release. in this way we are always building from a stable foundation of functionality that meets our clients' expectations.

the igence framework

a key component of igence's development success is the igence framework. this is a tried, tested, documented and re-usable library of software components that has been optimised for performance over a number of years and enables our developers to rapidly prototype a software project. this ensures that we develop the system that our clients really need and therefore make software better. all igence projects are built on the framework, which provides robust and re-useable components in three principal areas, user interfacing, communications and data modelling.

software rescue

software rescue is proof of the speed, agility and robustness of our process. the media is full of stories of failed software development projects, which are usually characterized by being poorly and incompletely specified with changing requirements and shortening deadlines. igence has built its reputation on rescuing failing projects of this type. some 50% of our projects to date have been rescue operations where our most experienced teams have used our development process to bring failing projects in on time, on spec and on budget.

if our skills and experience match your **requirements please get in touch.**

contact dave knight on 01342 870800 or dave.knight@igence.com

our defence experience

AMS

- Combat Management System for Astute class submarines.
- software infrastructure and device drivers for Seawolf Mid-Life Update.

BAE Systems

- various projects in the advanced cockpit research laboratory.
- battlefield simulation system.
- high order language upgrade project for Harrier GR9.
- operations room command system for Type 23 ASW frigates.

Marconi Avionics

- Sky Guardian 2000 Radar Warning Receiver for Sea King.

Plextek

- a novel HMI for their innovative BLightER radar system

Racal Radar Systems

- navigation subsystem of the Searchwater 2000 MR Radar for Nimrod MRA4
- tracking subsystem of the Searchwater 2000 MR Radar for Nimrod MRA4
- HMI development for the Mission System Operator Console on the Sea King AEW Mk7

Racal Avionics

- Data Transfer Device for the Royal Navy's Lynx Mk 8 SATURN radio system.

Siemens Plessey Systems

- AWS Tracker for the Norwegian Navy.

Smiths Aerospace

- Tornado Wingsweep system.
- electrical load management system for Hercules C130J.

Thales Aerospace

- test set mmi for ground and flight trials of Searchwater 2000 MR
- Yellow Gate Simulator for use in the development of LRU updates for the RAF's E3D Sentry aircraft.

Thales Underwater Systems

- acoustic data processing for the Sonar 2193 "Hunt" mine detection system.

Thorn EMI

- range tracker for the MLRS Terminal Guidance Sub-Munition.
- counter battery radar.
- dominee navigation trainer.
- data logging systems for Manta and Sceptre.

Ultra Electronics

- design and development of the Watchkeeper data link emulator

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