

igence

the
adaptable
software
people

getting results

bespoke software engineering

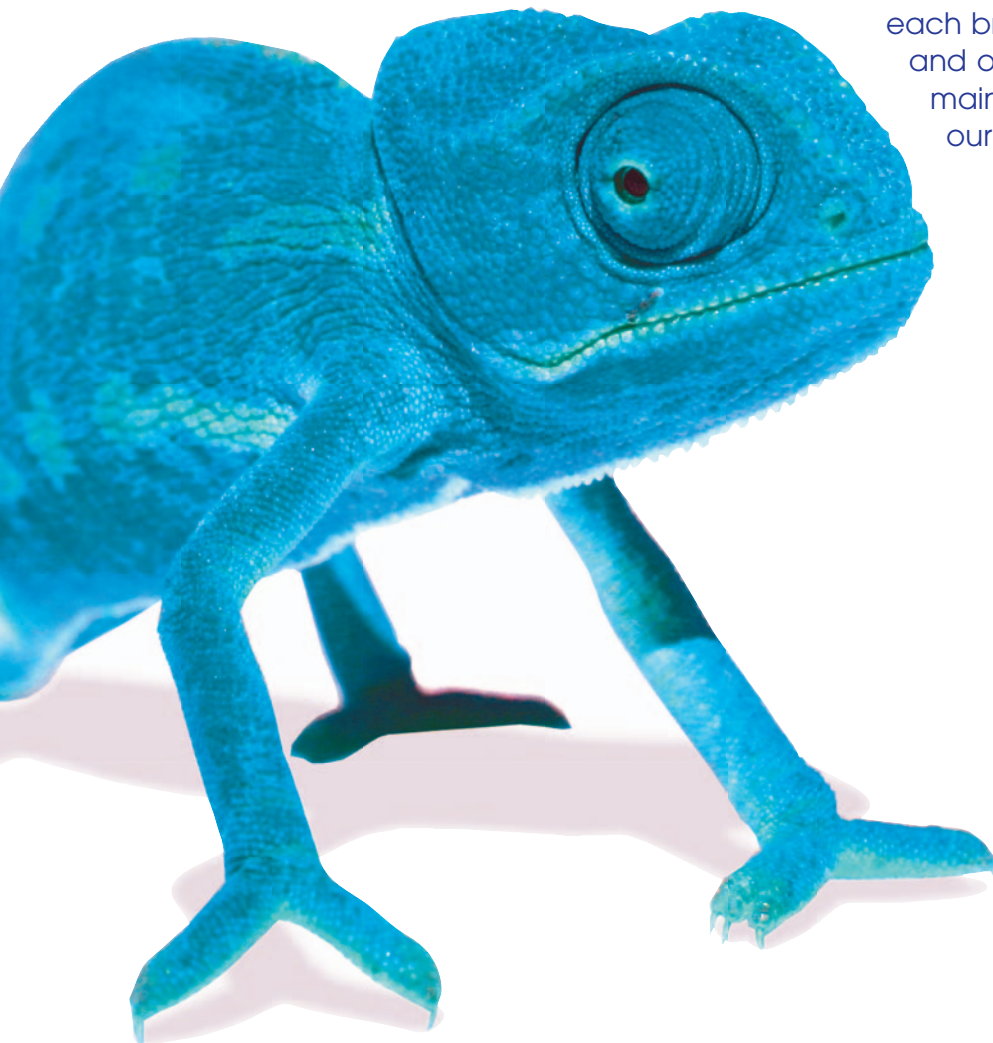
what is bespoke software engineering?

quite simply it's what we do. we are a team of highly scientific and innovative developers who dedicate themselves to your task – be it rescuing a doomed project or solving a detailed problem. you could say we are one of the few remaining software outsourcing consultancies which is not offshore. in fact we're based near gatwick airport.

the majority of our developers have gained substantial software and systems development experience from working on major projects in aerospace, defence and public infrastructure.

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

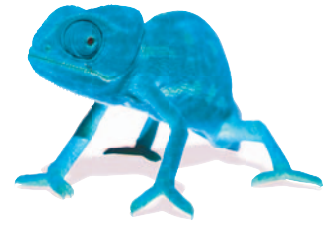
- **liaise** directly with clients to elicit requirements
- **provide** advice and guidance on appropriate functionality
- **implement** prototypes to test and refine assumptions and finally transition to a stable and complete solution



www.igence.com

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. igeance 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.



problem	scenario		statistics	
	original issue	igeance solution	original issue	igeance solution
code size and maintainability	inexperienced developers who didn't understand object orientated development completed the original implementation. as a result the code was bloated, slow and crashed at every opportunity. the code was so big and unmanageable that our client decided that it was uneconomic to change the existing implementation. as an example 40 files had to be edited to add a single button to the display!	we were contracted to re-write the application. our developers are highly experienced in object orientated techniques and the resultant code was therefore significantly smaller, faster, more robust and manageable. as a result of our success we were used on further occasions to add enhancements to the application	more than 300,000 lines of code.	less than 20,000 lines of code.
cost	this application was approximately 60% complete when we were asked to step in and rescue the project. with 40% of the functionality missing, the client had already spent much more than the original budget and had just been presented with an estimate for fixing existing defects!	we re-implemented the application with 100% functionality, for less than the cost quoted to fix just the outstanding defects in the original application. any defects in our implementation are fixed for free!	£250,000 @ 60% complete. estimated additional £85,000 to fix defects.	£80,000
time to implement	our client informed us that an average of about 15 people had taken four years to implement this project, which still wasn't complete!	we re-implemented the project with two (and sometimes three) developers in less than two years	more than 60 man years.	less than six man years.
speed of execution	this application was appallingly slow in every way. a representative time to measure was the start up time, especially as the programme frequently crashed and required restarting.	our re-implementation launches quickly and is far more responsive.	five minutes to start up!	five seconds.
defects	the project was late and had to be delivered to avoid rapidly accruing penalties, even though there were many outstanding defects and deficiencies. the system comprised many client machines, but only 60% were installed when rollout had to be suspended to prevent the network from becoming completely overloaded.	we re-implemented the application, with fewer bugs and those we had were fixed more quickly. we had fewer bugs in total than the original system had remaining when it went live!	more than 2,000 bugs in the live system.	less than 100 bugs at any one time during development with most fixed before system went live.
installation time	this project had many of the qualities described in the scenarios above. it was no surprise to us that the application was bloated, needed more memory than the target machine had and took an age to install. this is a major consideration when there are many client machines to maintain, networks are slow and technician time is expensive.	although we rescued the project for other reasons, a secondary benefit was the ease with which machines could be installed and upgraded because we employ a simple "drag and drop" process. we'll never understand how the original system was so unwieldy.	four hours. with many machine re-boots to install.	two minutes to "drag and drop" and then configure the machine.

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

contact dave knight on **01342 870800** or **dave.knight@igeance.com**



igeance limited, ladycross farm, hollow lane, dormansland, surrey rh7 6pb
t: 01342 870800 e: info@igeance.com w: www.igeance.com

Registered office: 7a The Broadway, Cheam, Surrey SM3 8BH Registered no. 3829804



4084/04