igence

Company Overview

Introduction

With 20+ years experience and 500+ man years of cumulative software capabilities, Igence has delivered projects in modernising systems, integration of software packages, enabling visualisation of real time control systems or pushing the boundaries of capability and performance by meeting our customers' expectations with high quality bespoke software solutions.

We provide quality bespoke software across Industry and Defence sectors whether for Proof of Concept, Bid Support, Emulators/ Simulators, Prototypes and Demonstrators, Control Systems or building the software bridge between different packages or systems to meet project goals.

Our team can work at our own facilities here at Igence or on your site. They can operate on an isolated project or act as additional team members for your in house project team.

We have a DART network capability, being **the first** company to have an MOD accredited cloud-based DART (DISX) network based development environment used on Official Sensitive+ projects.

Our success is based on our focused approach and quality. We are able to work with you to develop the Scope of Work and Technical Specifications if required. This enables us to give a Fixed Price contract if preferred. We do of course still maintain flexibility to react to changing situations and requirements.

For Project Management & development Igence uses either Agile or Waterfall methodologies whichever best meets a projects demands.

Scope of Projects

Although fully project capable, we are often requested to undertake specific work packages to support the project team in solving specialist 'project segments', for example, integrating different software packages and disciplines to enable visualisation of different types of data in a command and control system.

Igence has significant experience in different software and systems environments and software engineering tools (over the page).

Software Engineering Capability Domains	
Control Systems Design	Expert
Autonomous Systems	Expert
Digital Signal Processing	Expert
Safety Critical	Expert
Geospatial Integration & Visualisation	Expert
Real Time Systems	Expert
Embedded Systems	Expert
Bare Metal	Expert
Distributed/ Cloud Computing	Proficient
Firmware (e.g. FPGA development)	Proficient
Algorithms for Automation	Expert
Target Tracking & Data Fusion	Expert
Artificial Intelligence/ Machine Learning	Proficient

Please contact us to discuss your specific project details and technical requirements and we can advise you of timing, availability and costs to meet a timely solution to the work.

System and Software Engineering Skills

The Igence development team has a wide range of software engineering capabilities and specific skills as listed below. In addition we have a pool of known pre-qualified associates engineers that we use on a per project basis as required.

Our clients sometimes have specific operating environment preferences including the use or exclusion of software packages or languages. Consequently our broad knowledge and range of software skills enable us to meet the project or environment specifics.

Although we are Industry segment agnostic, we do have a strong track record in the demanding Defence sector (Land, Maritime, Aerospace, Weapons & Radar).

Clients include: BAE Systems; Raytheon; Roke; Thales; Ultra Electronics; Lockheed Martin; MBDA Missile Systems; Cubic Transport Systems etc.

Igence Software skills

C++	VxWorks	Embedded Linux
C#	SNMP	Linux/Windows
C	RADAR	
Java	Static analysis tools:	
Javascript	cppcheck	LDRA
Python	pclint	clazy
Assembler	clang-tools	
Crypto	Analysis tools:	
SQL	valgrind	gprof
ADA	coverage	nsight
Misra C	Compilers:	
Linux	gcc/g++, clang, Microsoft	
Windows	Build tools:	
AR/VR	cmake	jenkins
Real Time	git/ gitlab /	github
Geospatial/ GIS	Libraries/technologies:	
Luciad CPillar	Qt/QML	MQTT
Luciad Lightspeed/Fusion	X11	JSON
MapLink Pro	DDS	Doxygen
ogsEarth	Wix toolset	Boost
gdal/ogr	Modern	OpenGL

We also have a pool of domain and technical specialists available

For more information, or to discuss your requirements, please contact:
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