igence®

Company Overview

Introduction

Since 1999 Igence has accumulated some 25 years experience and 500+ man years of software capabilities. Igence has delivered 200+ 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, and are **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 offer 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 project's 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 including Cybersecurity and software engineering tools.

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

System & Software Engineering Skills

The Igence development team has a wide range of software engineering capabilities and specific skills. In addition we have a pool of known pre-qualified associate engineers and specialists that we use on a 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 a wide range of project or environment specifics.

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

Clients include BAE Systems (various divisions), Raytheon, Roke Manor Research, Thales, Ultra Electronics, Ultra PMES, Ultra CSS, Rolls Royce, Lockheed Martin, MBDA Missile Systems, and Cobham Aviation.

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

Contract Engineers

Igence has a 'pool' of known contract engineers that we use to supply highly specialised skills to our clients.

In addition we can supply these technical or domain specialists for projects onsite through our Associate Contract Engineer Services (ACES) program.

Please contact us to discuss your specific project details and technical requirements. We can then advise you on timing, availability and costs to help you achieve your objectives.

For more information please contact dane.knight@Igence.com.