



Company Overview

Introduction

Founded in 1999, Igence has amassed over 25 years of expertise and 1000+ man-years in software development. We have successfully delivered more than 300 projects focused on system modernisation, software package integration, real-time control system visualisation, and pushing the limits of performance through high-quality, custom software solutions.

We specialise in delivering tailored software across both Industry and Defence sectors, providing services for Proof of Concept, Bid Support, Emulators/Simulators, Prototypes, Demonstrators, Control Systems, and system integration to meet specific project needs. Whether developing a bespoke solution or bridging disparate software systems, Igence ensures that our clients achieve their project goals with precision.

Our team can work from our own facilities in East Grinstead, UK or directly on your site. We are flexible in how we engage, either managing an isolated project or augmenting your in-house team as needed.

We are proud to be the first company with an MOD-accredited cloud-based DART (DISX) network, which supports Official Sensitive+ projects.

Our success lies in our approach: focused, adaptable, and committed to high standards. We are capable of working with you to define the Scope of Work and Technical Specifications, allowing us to offer Fixed Price contracts if preferred. Of course, we also maintain the flexibility to adjust as requirements evolve.

As a Small and Medium Enterprise (SME), we place a strong emphasis on security, with regulated home office requirements to protect Official and Commercially Sensitive work. Our development processes follow Agile or Waterfall methodologies, depending on the specific needs of each project.

Scope of Projects

Igence has participated in a diverse range of projects and programs, often undertaking critical work packages to support project teams in specialised areas. Our expertise includes the integration of software packages, signals, and data fusion to enable visualisation of complex systems in command and control environments, such as Ground Stations and Mission Control systems.

We are experts in data fusion, offering users comprehensive visualisations of complex systems. Additionally, we have deep experience across various software and systems environments, including Cybersecurity and advanced software engineering tools.

For several years, we have utilised machine learning in various projects, understanding how AI can complement and enhance project capabilities.

Software Engineering Capability Domains

Control Systems Design	Expert
Autonomous / Remote Control 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
Uncrewed Vessels (AUV, USV, Drone)	Expert
Artificial Intelligence & Machine Learning	Proficient

If you have a specific project in mind, contact us to discuss your technical requirements. We can provide guidance on timing, availability, and costs to deliver a timely solution.

Systems & Software Engineering Expertise

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		

Our development team at Igence brings a wide array of software engineering skills and technical expertise. We also have a network of pre-qualified associate engineers and specialists that we engage on a project-by-project basis for additional bandwidth or specialised knowledge.

Given that our clients often have specific requirements — such as software preferences or the use/exclusion of particular tools — our broad expertise allows us to meet the specific demands of various environments and industries.

While we serve a range of sectors, we have built a strong reputation within the Defence sector, particularly in areas such as Aerospace, Maritime, Land Systems, Weapons, Drones, Autonomy, and Radar.

Our clients include industry leaders such as BAE Systems, Raytheon, Roke Manor Research, Thales, Ultra, Lockheed Martin, MBDA Missile Systems, and Cobham Aviation, among others.

Associate Contract Engineering Services (ACES)

Through our ACES program, Igence provides access to a pool of highly specialised engineers and domain experts. Whether your project requires a particular skillset or additional resources, we can supply these specialists to work on-site, both inside and outside IR35.

If you're looking for bespoke software solutions, integrated systems, or need support for complex projects, we invite you to get in touch. Our team is here to discuss your requirements and provide tailored solutions that meet your exact needs.

For more information please contact david.loftus@igence.com or robin.lodge@igence.com.



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