



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, 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 including Cybersecurity and software engineering tools (over the page).

| 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 |

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 have 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 and specialists 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 a broad 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, Cobham Aviation, etc.

Igence Software skills

| | | |
|--------------------------|---------------------------|----------------|
| C++ | VxWorks | Embedded Linux |
| C# | SNMP | Linux/Windows |
| C | RADAR | |
| Java | Static analysis tools: | |
| Javascript | cppcheck | LDRA |
| Python | plint | 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

ACES

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

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



Certificate Number 4084



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