



Igence in Defence

Introduction

With over 25 years of expertise in the Defence industry, Igence has established a strong track record in the design, development, and delivery of advanced software systems. During this time, we have contributed to more than 100 defence-related projects for many of the sector's leading organisations. Our reputation is built on repeatedly delivering effective, reliable, and innovative solutions to complex and demanding customer requirements.

Project Experience

Many of our projects are classified as Official-Sensitive or Commercially Sensitive. Our work spans a broad spectrum — from routine operational capabilities to advanced research and pioneering technology development.

Notably, Igence has contributed to early-stage advancements in autonomy, cyber intrusion detection, and complex systems integration.



Image courtesy of BAE Systems

We have delivered solutions including, but not limited to:

- Command and control systems
- Ground station software
- Monitoring and diagnostics systems
- Training and simulation environments
- Cyber intrusion and security applications
- Data fusion platforms
- Software for aerospace propulsion systems
- Additional List X and specialist classified developments

All software is engineered to adhere to recommended cybersecurity and secure development standards.

Sector Experience

Aerospace

- Control and management systems for radar deployments across civil and defence applications.
- Research and development into Sense and Avoid processing for Unmanned Aerial Vehicles (UAVs).
- Simulation and training platform development for an Army ISTAR UAV programme.
- Helicopter pilot training system incorporating hostile fire simulation.

Maritime

- Engine monitoring and health management systems for submarine platforms and aircraft engines.
- System development support for the Navy X programme.
- Remote weapon control and automated defence support systems.
- Software support for the development of the BAE Systems Uncrewed P24 Rigid Inflatable Boat
- Search-and-locate Unmanned Underwater Vehicle (UUV) development.
- Automated and remote systems integration for a high-performance Unmanned Surface Vessel (USV).
- Development of ground station software for large Autonomous Underwater Vehicles (AUVs).

For more information, or to discuss your requirements, please contact
david.loftus@igence.com or robin.lodge@igence.com.



Igence Software Limited, Moor Hall, Sandhawes Hill, East Grinstead RH19 3NR
E: info@igence.com W: www.igence.com
Registered in England and Wales: 3829804

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