Phixos has both the pedigree and capability to deliver outsourced work packages covering full lifecycle high integrity software and firmware solutions into the Aerospace, Rail, Space, Automotive, Defence, Medical and Energy markets since 1990.

Our permanent team of engineers based in Worcester provides a highly skilled engineering capability with wide experience across domains, industry standards, processes, languages and tool chains, along with a depth of knowledge in high integrity development and verification principles. We are able to bring to bear this high calibre of engineering capability quickly and effectively to make a real difference to your project across the safety critical spectrum including DO-178, ECSS-E-ST-40, ISO 26262, BS EN 50128 and IEC 62304.

The relationship between supplier and client is key to providing a framework upon which to deploy our proven capability, allowing us to build a solution that meets the project’s needs. This partnership along with shared project goals sits at the heart of any work we undertake as we are able to remain flexible and responsive as the clients requirements evolve, ensuring we are collectively working towards project success. This is underpinned by the excellent management rigour and ownership we apply to all of our projects to ensure regular and open reporting, planning and risk analysis ensuring both the supplier and client can make informed decisions and respond to changes in the interest of the project.

As control complexity in systems increases, significantly more complex software solutions are required or even a software solution is required where one didn’t exist previously, this step change in complexity may be new to some industries or products but our diverse capability and experience puts us in a unique position to share best practices and develop a software system that meets your requirements both from a functional and compliance point of view.

With a proven track record of delivering software solutions to budget, on time, right first time and to the highest industry standards, coupled with an independent approved ISO 9001:2015 and TickIT Plus Quality Management System and a robust management approach enables us to offer a flexible solution ranging from full lifecycle development and verification to single phase work packages across all of the safety critical standards and associated industry sectors.

Our Markets

Applying our expert knowledge and experience in the development and verification of high integrity, real time embedded safety critical applications to all our markets:

- Aerospace
- Space
- Defence
- Energy
- Rail
- Medical
- Automotive
Services

• Software standards and process creation and approval
• Project planning and estimation
• Tool selection
• Requirements management
• Software architecture
• Software design & implementation
• Static analysis
• Software verification & validation
• Independent software quality assurance
• Legacy system support
• Project management
• Independent software development and verification
• Consultancy

Why Outsource?

• Strategic partnership for long term benefit
• Manage peaks in resource needs
• Prohibitve internal infrastructure
• Internal capability gaps
• Allows refocusing of internal staff on core products and disciplines
• Retain process, tool and application knowledge
• Continuity of resource
• Minimise recruitment and training costs
• Ensure on-time project delivery
• Transfer and management of risk
• Cost savings

Why Phixos?

• More than 25 years of high integrity real time embedded experience
• Focused on client/supplier partnerships with shared goals
• Exemplary project planning and risk management
• Detailed reporting to allow for informed decision making
• Safety critical expertise up to DAL A / SIL4
• Security conscious
• Guaranteed quality
• UK based and security cleared
• Long term knowledge retention
• Flexible, responsive to changing project requirements
• Quality system and TickIT plus, externally accredited to ISO9001:2015
• History of right first time delivery and project success

Previous Software Projects

EN 50128 SIL 4
Legacy support including requirement capture to integration test for a track detection system.

DO-178 DAL A
Full lifecycle development and verification for an engine control system for a major engine supplier.

DO-178 DAL B
Full lifecycle development and verification for a Military rotorcraft sub-system.

IEC 61508
Architecture, model based design, auto code generation and test for a wind farm grid integration.

IEC 62304 class C
Requirement verification, software test and hardware software integration test for a dialysis machine.

ISO 26262
Specialist ISO 26262 Software and unit test consultation, before program initiation.

Contact us

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