

Safety Engineering and Management

Providing domain experienced safety experts that add tangible value, focusing on pragmatic and cost effective solutions from requirement definition to project disposal



Persides' safety experts excel at engaging with their customers, to offer proven, common sense and pragmatic approaches to the management of safety. Systematic approaches to identifying and analysing hazardous events are used in harmony with sound domain specific engineering understanding and tailored solutions to help control, manage and eliminate safety risk.

Capability Overview

The identification, assessment and management of risks are core business activities in many organisations. There is growing use of safety management techniques to improve personnel and equipment safety. Primarily this is through the structured identification and implementation of risk reduction measures and application of Project Management methods to capture and manage risk and uncertainty inherent in all projects at all stages of the life cycle.

Persides has a proven track record of working within customer organisations to define realistic safety requirements in the subjective areas of accident tolerability and Safety Integrity Levels for systems of systems and software intensive programmes. These safety activities, in addition to defining a robust Safety Management System, are the foundations for the construction of justifiably strong and defensible safety case.

Management

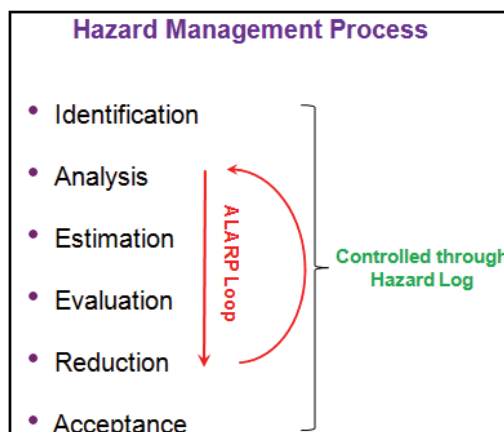
Persides can lead or assist in reducing project safety risk and through-life cost by ensuring that:

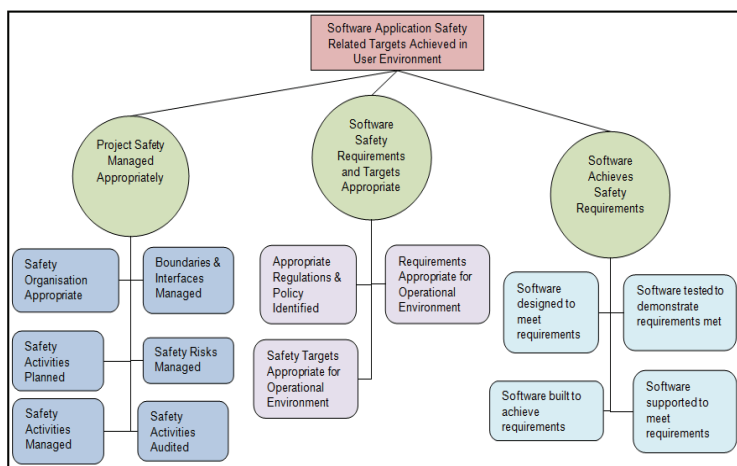
- Safety requirements in SRDs and procurement specs are tailored to the complexity of the programme
- Solutions have safety considerations incorporated into their design (Services and Products)
- Suppliers, sub-contractors and OEMs are contracted to comply with appropriate safety legislations, policy and procedures
- Safety Acceptance is an integral and planned element of project Integration, Test and Acceptance (ITEA)

Persides recognise that robust safety management is a demanding responsibility and dependent upon the application of sound analytical, creative and engineering skills, based on extensive technical and domain knowledge. Understandably, there is not one safety management approach that fits all situations and customers have very specific requirements to consider.

Safety People, Process and Tools

Persides' engineers are a blend of ex military, practitioner and graduates who are equipped with the tools and skills required to deliver leading edge safety services. We invest heavily in developing our own processes and keeping up to date with emerging legislation and innovative approaches to safety engineering. This investment will continue over the coming years ensuring that we maintain our edge and continue to offer our customer best of breed capabilities.





Typical Safety Case Argument Structure

In supporting our customers to achieve their Time, Cost and Performance milestones all of our consultants are competent project managers, whom conduct their activities in-line with PRINCE 2 or APM practises. Moreover, Persides continues to provide a truly independent service, as the Company is not owned, even in part, by another organisation

Our Experience

We have a considerable track record of providing system safety management and through-life support to the MoD, its Prime Contractors and other major civil and defence companies on key procurement and research programmes across the complete life cycle. Amongst many others, our key customers and key programme areas include:

- Technology Demonstrators
- Thales
- Power Generation
- Safety Related Software
- Software Testing
- QinetiQ
- Aircraft Weight and Balance Applications
- UAVs
- ABSL Power Solutions
- Technical Readiness Trials
- Hydrogen Fuel Cells
- Sighting Systems
- UK MoD (FATS 3 Registered)
- NATO
- Electronic Warfare
- Communications
- Specialist Military Vehicles

Persides is an established, expanding and respected company that prides itself on having a pragmatic and proactive approach, whilst focusing on customer service and through-life support. In supporting our safety Subject Matter Experts we provide an in-depth reach-back capability within the key aligned specialities.

Why Persides?

Persides is a growing force in the defence, security and aerospace markets offering high calibre consultancy services and innovative technology products for the electronic systems and software sector. Persides is an independent and proactive company that is committed to understanding our customer needs and delivering customer satisfaction.

How our expertise can help you

Persides' safety specialists are suitably qualified, experienced and dynamic engineers with an unwavering focus on attention to detail and our customers' needs. As the Subject Matter Experts we will proactively manage and progress the safety activities necessary to meet your business, team or operational needs. Our engineers and managers will integrate seamlessly into your team and ensure that cost-effective safety programme is delivered. Our core safety knowledge and capabilities include :

- Def Stan 00-56 and 05-123, POSMS, JSP375, 418, 430, 454, 553, 602 and 815
- Defining Project Safety Strategy
- Defining Safety requirements and acceptance strategies
- Safety proposals for hardware and software procurement programmes
- Regulation, policy and legislation requirements scoping
- Independent Safety Advice and Audit
- Hazard identification, analysis and management using CassandraTM
- Safety Case construction and Safety Case Reporting
- Establishing and managing Safety Management Systems and planning through-life safety activities
- Legacy equipment and trials Safety Cases
- Cost Benefit Analysis
- Working with Safety Integrity Levels (SILs) and IEC 61508
- Fault Tree Analysis (FTA) and Failure Modes, Effects and Criticality Analysis (FMECA)

Persides

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