

**ERA**  
TECHNOLOGY

Independent Safety Assessment



**Independent, unbiased and cost effective assessment to help our clients demonstrate:**

- The safety plan and strategy is appropriate, sufficient and effective to ensure that a safety case argument can be developed
- The activities undertaken, both for safety and development:
  - are in accordance with standards
  - demonstrate that hazards have been identified through a systematic and comprehensive approach
  - show that the risks associated with the hazards are identified, mitigated and as low as reasonably practicable (ALARP)
  - provide sufficient evidence to support a safety argument
- The safety argument is robust, that rigorous processes have been implemented and that the argument is supported by evidence of compliance to standards.



**Assuring safety**

ERA Technology provides:

- A comprehensive, realistic and independent review of safety activities
- Pragmatic and constructive feedback whilst maintaining impartiality
- High quality reviews in a timely manner to align with project timescales

- Regular, ongoing reporting to ensure timely rectification of issues and continuous improvement of the safety activities.



**Our approach**

**Safety and Development Lifecycles**

The assessment approach will review all of the activities of the safety and development process to ensure that the appropriate safety requirements are identified, implemented correctly and that suitable tools and techniques are adopted.

**Safety Submissions**

ERA will provide a comprehensive, pragmatic, independent report on all the activities reviewed. Support is provided to the client in their submissions to the regulatory authorities to aid the issuing of the safety certificates necessary to operate the systems or products.

**Our experience**

ERA has over 20 years experience of independent assessment of safety related systems and is accredited to act as an ISA to Network Rail both in the UK and Worldwide. ERA has a broad scope of domain knowledge covering signalling systems, software, electrification, permanent way, rolling stock and telecommunications.



**ERA Technology Ltd**

Since its foundation in 1920, ERA has evolved from its roots as a research association to become a centre of excellence in engineering technology with a strong brand and reputation, sitting at the forefront of specialist asset integrity service provision.

ERA is committed to delivering professional services to our customers across all business sectors, assisting them in reducing technical and commercial risk, improving the operational performance of their assets and developing and enhancing the competitiveness of their products and systems.

ERA Offers the Following Services:

**AccessERA**

(Publications, Training Courses, Newsletters & Information Services)

**EMC and Radiocomms**

(EM Management, Measurement and Modelling)

**Engineering Consultancy Services**

(Condition Assessment, Power Systems Analysis, ERACS Software, LV Electrical Product Testing, Failure Analysis and Materials & Design Consultancy)

**Reliability and Failure Analysis**

(Forensic, Analytical and Environmental Compliance Services)

**Safety Engineering**

(ISA, Safety Management Consultancy, Safety Process Audits, Software Assurance, Product Safety Assessments and Standards Compliance, RAM Engineering and Assurance).

For further information please contact:

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