



# Human Factors

With a long history of delivering high quality nuclear safety support and advice across UK industry, AREVA RMC’s team of Chartered Ergonomists and Human Factors specialists have extensive experience in supporting projects across the safety case and design lifecycles. Considering all aspects of human performance, normal operations, fault diagnosis and recovery, maintenance activities, and emergency arrangements, we work collaboratively with site licensees to ensure a full understanding of our clients and their regulatory requirements.

***With an in-depth knowledge of UK nuclear regulations we are able to clearly demonstrate that safety cases have adequately modelled human involvement***

**Humans are critical to nuclear safety**

Enhancing design efficiency and safety, Human Factors is a vital component in developing a safety case that is accessible to the operator, while satisfying the requirements of the regulator. Our dedicated Human Factors team can help to establish the link between the human and the work environment, with the aim of minimising human error and optimising the positive contribution human input can make to the enhancement and reliability of a system.

**A highly skilled and experienced team**

Our team of Chartered Ergonomists are experienced in supporting projects at various stages of design. We have a strong track record in leading and delivering Human Factors for a range of complex multi-disciplinary nuclear safety projects, giving us a clear understanding of the role and contribution Human Factors must make to nuclear safety.

With the majority of the team at Senior Consultant level and above we build strong relationships with other technical disciplines and, by working closely with clients, ensure proportionate and focussed assessments are delivered to required standards. We take a holistic approach to understand the ‘bigger picture’ and deliver optimised solutions to challenges as they arise.

We have helped clients across the civil nuclear and defence sectors to design systems and tasks that support the people who operate, manage and maintain them, ensuring the demands of tasks are feasible and compatible with human physical and psychological limitations.

With an in-depth knowledge of UK regulations, we can demonstrate that safety cases have adequately modelled human involvement, particularly where human action is required to be proportional to the level of hazard to be controlled. We integrate our Human Factors and Human Reliability Assessments to maintain or re-instate safe conditions, and offer solutions where shortfalls have been observed.



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**What do we offer?**

Applying proven Human Factors data collection methods and assessment techniques, our team is specifically able to assess and support the following areas:

- Human Factors Integration in Equipment, Work Space/Workplace, and Procedure Design;
- Training and Competency Assurance;
- Environmental Ergonomics;
- Use of Personal Protection and Respiratory Protection Equipment;
- Safety Management Systems;
- Organisation and Management and Safety Culture;
- Teamwork and Communications;
- Human Reliability Analysis;
- Verification and Validation;
- Independent Peer Review;
- Human Factors Training;
- Nuclear and radiological Hazard Assessment.

**Why choose AREVA RMC?**

AREVA RMC offers a systematic and comprehensive understanding of the factors that affect human performance, optimizing the safety and working environment of each individual facility. The practical, hands-on approach of our highly-experienced team centres around a comprehensive and independent Human Factors review of facility design and the role of the operator, identifying any opportunity to reduce risk for our clients.

We also deliver a range of Human Factors training to a number of clients across the sector in Human Factors and Human Reliability Assessment, including bespoke courses.

For further information please contact your local office:

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AREVA RMC Ltd is a wholly owned subsidiary of AREVA and is a specialist consultancy to the UK nuclear industry. With a track record of over 30 years, it is the use of our knowledge and experience which provides the value.

**We work closely with our clients to ensure proportionate and focused HF assessments are delivered to meet required standards**



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