



# Nuclear Safety Cases

Offering comprehensive and expert safety case development services across the nuclear lifecycle, our consultants are based throughout the UK in close proximity to our major clients. Our highly experienced team has hands-on experience of both the civil nuclear and defence sectors, and translates this experience into the development of robust, modern standards safety cases for all stages of the nuclear facility life-cycle.

**AREVA offers a proven track record of producing high quality, readily implemented safety cases which deliver real safety benefit**

## Safety Case Development

At AREVA RMC we offer the capability to produce the full suite of nuclear safety case documentation, from preliminary safety reports for new facility designs through to decommissioning safety cases. We also have the capability to develop specialised safety cases for Radioactive Materials Transport and Radioactive Waste Management.

With wide experience of managing the development of safety cases in both civil and defence sectors, our teams draw on their in-depth knowledge of nuclear safety assessment, licensing requirements and regulatory expectations, to develop cases which are robust and thereby readily negotiate the challenges inherent in due process. This enables our clients to programme with confidence the design and realisation of new facilities or modifications to their existing facilities.

We are committed to the concept of safety-informed design and the integration of design and safety assessment resources that this demands. Our consultants, at all levels, are experienced in working in multi-disciplinary teams to achieve this end.

Our experience extends not only to the development of safety cases for all of the major nuclear site licensees but also to the development for our clients of their corporate procedures and methodologies for the

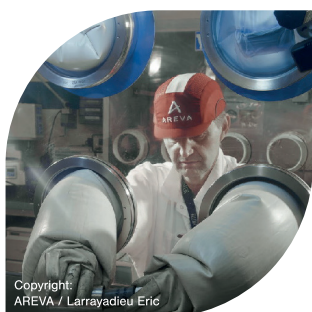
development and assessment of safety cases required by Site Licence Condition 14, and delivering training to clients' personnel on aspects of the safety case development process. In addition, we are committed to producing safety cases which not only permit our clients to discharge their legal responsibilities in this area but which also are readily implemented and facilitate the safe operation of plant thereby generating real safety benefits.

## Specialist Resources

In addition to nuclear safety assessors we have specialist resources which may be deployed in support of the safety case development process. Specifically we have dedicated in-house experts, in the following specialist areas:

- Human Factors and Ergonomics including Human Reliability Analysis;
- Criticality Assessment;
- Shielding Design and Dose Assessment;
- Radiological Protection;
- Waste Management and Decommissioning;
- Radioactive Materials Transport;
- Nuclear and Radiological Hazard Assessment.

With a knowledge of their field that is second to none, our safety case lead authors and managers are all Senior Consultants and above with extensive nuclear industry experience both in the production and assessment of nuclear safety cases.



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**Nuclear Safety Cases  
in all their forms are  
our core business**



### Why choose AREVA RMC?

#### It's what we do

Nuclear safety cases in all their forms are our core business. Our consultants are 'suitably qualified and experienced persons' (SQEP) in the safety case development process or specialist disciplines which support that process. We can provide consultants at all levels of seniority all of whom are SQEP at their level. Our new recruits benefit from a systematic programme of formal, in-house training in all aspects of nuclear safety assessment with learning reinforced by closely supervised on-the-job training on safety case projects.

Their technical development is closely monitored and recorded on a competency database to ensure an up-to-date record of individual competency is available to support the resourcing of individual projects. Our most senior consultants are respected specialists in their fields, with several having been appointed as Technical Authorities within the Company and recognised as AREVA Experts by the international AREVA Group.

We offer a wide-ranging and acknowledged safety case development and management capability, with consultants who have previously developed safety documentation for high hazard facilities.

#### In-depth understanding of the safety case development procedure

In addition to our consultants' practical experience of safety case development, senior members of our team have also developed corporate arrangements for safety case production for a number of nuclear site licensee companies. This ensures that our teams are led by highly experienced individuals with up to the minute appreciation of what constitutes a safety case developed to modern standards of good practice providing not only sound, informed project management, but also an unparalleled level of technical oversight.

### AREVA Risk Management Consulting Ltd

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### Commitment to quality

Our robust quality assurance systems and internal verification procedures ensure that all work, including safety case management and development, is undertaken and verified to the highest level, and fully meets the requirements specified by our clients. Our emphasis on quality ensures the safety case development process encompasses multiple layers of protection against failure (as expected by the nuclear regulator) thereby ensuring high reliability and consistency of product quality.

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.



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