

Human Factors

Enhancing design, efficiency and safety

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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 establishes the link between the human and work environment to minimise human error and optimise the positive contribution human input can make to enhancing the reliability of a system.

Orano Projects has worked with clients across the civil nuclear and defence sectors to design systems and tasks that support the people who operate, manage and maintain them. We ensure 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 proportionate 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.

With a long history of delivering high-quality nuclear safety support and advice across the nuclear industry, Orano Projects' team of Chartered Ergonomists and Human Factors specialists have extensive experience in supporting projects across the safety case and design lifecycles

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 expertise for a range of complex, multi-disciplinary projects, giving us a clear understanding of the role and of Human Factors in nuclear safety.

With the majority of the team at senior consultant level and above, we build strong relationships with other technical disciplines. Working closely with clients, we ensure proportionate and focussed assessments are delivered to the required standards. We take a holistic approach to understand the 'bigger picture' and deliver optimised solutions.

What do we offer?

Applying proven Human Factors data collection methods and assessment techniques, the Orano Projects team is able to support assess all of the following areas:

- Human Factors integration in equipment, workspace/ workplace, and procedure design
- Training and competency assurance
- Environmental ergonomics
- Use of Personal Protection and Respiratory Protection Equipment
- Safety management systems
- Organisation, management and safety culture
- Teamwork and communications
- Human Reliability Analysis
- Verification and validation
- Independent peer review
- Human Factors training
- Nuclear and radiological hazard assessment



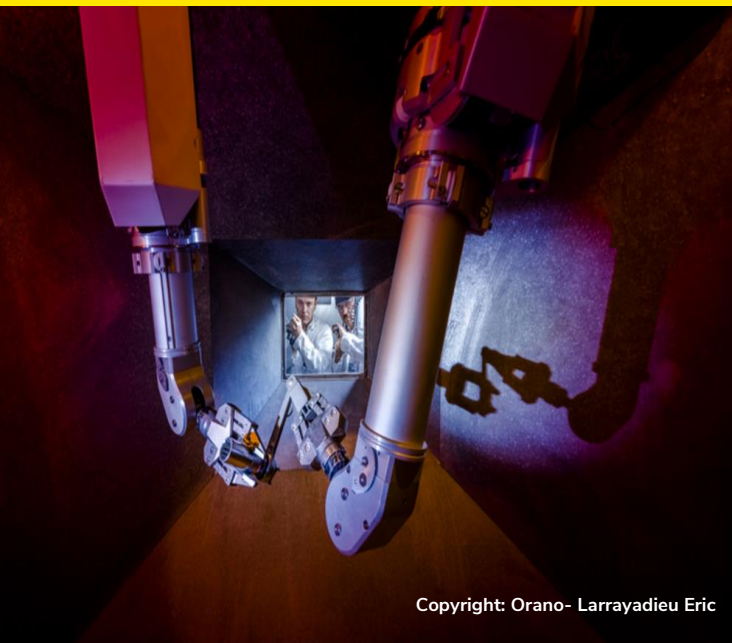
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Why choose

Orano Projects?

Orano Projects offers a systematic and comprehensive understanding of the factors that affect human performance, optimising the safety and working environment of each individual facility design. The practical, hands-on approach of our highly experienced team delivers a holistic 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 to fit the specific needs of the client.



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Orano Projects Limited is a wholly owned subsidiary of Orano, providing specialist technical consultancy and expert engineering services to the UK nuclear industry. With a track record of over 40 years operating in the UK, we combine unique knowledge and experience to offer the best value

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