

System Instrumentation and Control (I&C) Engineer

Location:	Bristol
Salary:	Competitive
Hours:	40 hours per week
Contract:	6 to 12 month PAYE Fixed Term Contract

The Ortec Group offers a high value-added engineering service. Founded on the expertise of engineers and technicians, combining knowledge of industrial sectors, field culture with more than 30 years' experience, Ortec Engineering is 40 agencies in France, a presence on four continents and two offshore production centres.

Design engineering provides a varied foundation of complementary skills to meet a broad range of traditional technical engineering needs. To facilitate discussions and to be more responsive and available, the Ortec Group has chosen local offices: located as close as possible to our customers, they bring together all the trades involved in a given project in one place.

The role:

As part of the expansion of our Engineering and Projects activities, we are recruiting Engineers to support us in our growth in the Nuclear Energy sector. We are looking for Engineers who have experience in the nuclear sector, either within the generation fleet, EPR nuclear new build (Olkiluoto, Flamanville, Taishan or Hinkley Point C) or other relevant nuclear site (Sellafield, ITER...)

Sonovision will provide a Training program based on ORTEC experiences in French Nuclear engineering if required.

Key Tasks and Responsibilities:

Reporting to the Business Unit Manager, fulfil the role identified below

Responsible for system design coordination activities:

- Defining the I&C functional requirements cascading nuclear safety, conventional safety, environmental and operational requirements into system design
- Application of internal engineering guidelines
- Defining the I&C logic using internal engineering tool DFD
- Writing the test procedure and testing the control logic using the internal engineering tool valid DFD and analysis of the FTP results
- Defining the human machine interface in the main control room using the internal engineering tool
- Documenting the I&C requirements in the respective parts of the System Design Manual chapters
- Performing technical peer reviews of I&C documents produced by other engineers in the team
- Management of system configuration including:
 - Managing requests for modification to system(s) issued by various external parties by producing specifications and following engineering cycle (I&C design changes specifications)
 - Analysis and verification of the applicability of these modification and challenging them as appropriate
 - Developing technical solution and presenting them to the client to help resolve technical issues (the best technical and cost effective solution)

- Utilising the electronic Engineering change Management tool (UK-DC and FUTE)
- Mentoring and support less experience engineers throughout the I&C sequence to update their system documentation
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The right candidate will have the following skills and background:

Essential:

- Instrumentation, Electrical or Process Engineering degree or equivalent qualification
- 5+ years' experience in Instrumentation and Control design and specification in relevant industry
- Ability to effectively manage own workload in order to produce high quality documents and respect deadlines
- Excellent interpersonal skills
- Ability to communicate clearly and accurately, both written and orally, in English
- Proactive and confident in communicating with others, particularly those based in remote offices including France, Germany.
- Proactive in developing positive working relations with others within the project
- Continuously looking for opportunities to improve quality of engineering studies and the subsequent documentation produced
- Eligible to live and work in the UK

Desirable:

- Knowledge of EPR system design principles, Instrumentation and Control architecture and Safety Classification
- Understanding of Safety Case construction and Nuclear Safety requirements placed on systems
- Experience of working on an operating nuclear plant or on a nuclear site
- Knowledge of effluent treatment systems and system design
- Knowledge of UK licensing requirements and its application within the HPC project
- Familiarity with Human Factors requirements
- Experience in the use of internal engineering tools (DFD, Conduite, validDFD, IDA)
- Ability to speak and write technical documents in French

Screening:

- Do you have minimum 5 years' experience?
- Instrumentation, Electrical or Process Engineering degree or equivalent qualification?
- Are you eligible to live and work in the UK, with a valid Passport?

If you are interested in joining our team, send your CV to:

Karen Angel

Email: karen.angel@sonovision.co.uk

Phone: 01462 673820

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