

Piping Stress Analysis Engineer

Location: Bristol
Hours: 40 hours per week
Contract: Permanent

Sonovision, an ORTEC Group company, are a multi award-winning company who provide product design, document engineering and marketing services to global OEMs across a wide variety of sectors including Defence, Aerospace, Energy and general Industry.

A key strategy for Sonovision is the expansion of our core engineering portfolio with our existing client base, in particular, the Energy sector according with ORTEC strategy.

The role:

As part of the expansion of our Engineering and Projects activities, we are recruiting a Pipe Stress Analysis Engineer to support us in our growth in the Nuclear Energy sector. Sonovision will provide a Training program based on ORTEC experiences in French Nuclear engineering.

Key Tasks and Responsibilities:

Reporting to the Executive Team, fulfil the role identified below

Carry out the following activities:

- From the extractions of the 3D model on PDMS (AVEVA), analyse the behaviour of the networks of piping under different conditions (normal, disturbed, exceptional and accidental)
- Check the regulatory criteria associated with these situations according with RCC-M code
- Check the flexibility and the forces transmitted to the various elements of the network, in particular to components and supports
- Complete the associated final calculation notes
- Transmit the efforts on supports to the support calculation team
- Transmit datasheet to equipment and contract teams

The right candidate will have the following skills and background:

- Minimum of 2 years' relevant experience within an engineering environment, with Energy industry (Oil & Gas or Nuclear) experience.
- Mechanical Engineering bachelor's degree (as minimum) or equivalent qualification / experience
- Experience working on mechanical analysis (Finite Element Method, Beam Theory, Steel Structure Calculation)
- Experience working within a multidisciplinary team with engineers and designers, in the production of design deliverables for projects within the Oil & Gas and energy sectors.
- Piping and process equipment design and layout, primarily for the oil and gas sector, but experience in other sectors useful

- Checking the quality of subcontractor design work to ensure compliance with agreed client design specifications.
- Knowledge of development programming is a plus
- Understanding of process requirements, ability to interpret process P&ID's
- Ability to interpret piping isometrics
- Excellent inter-personal and relationship skills
- Creative and ambitious, you want to join a company where performance is rewarded and team spirit takes precedence.
- Autonomy, a sense of innovation, strength of proposal, a culture of commitment, open-mindedness, listening and customer skills
- Knowledge of codes: RCC-M, ASME, EN-13480 is a plus
- Knowledge of French language is a plus

Please note, candidates must successfully undergo UK Security Vetting before they can be appointed. The level of security needed is Security Check (SC).