



# Example of Integrity Engineer Job Description

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Our company is searching for experienced candidates for the position of integrity engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for integrity engineer

- Analyze, evaluate and audit inspection information and compare with archived reports to ensure the adequacy and completeness of data
- Utilize systems, processes, and support the Subject Matter Experts (SME) to aid in decision making and potential Operating Area assistance
- Understand industry standards, applicable regulatory codes and requirements, and company standards
- Plan, communicate, and execute in accordance with expense and capital forecasting
- Attend training courses and conferences to stay up to date on asset integrity evaluation methods, welding trends and technologies
- Be able to become proficient with corrosion software RSTRENG, data integration software packages such as Pipeline Studio & Dynamic Risk, Arc View, and various integrity related software applications
- Assist the welding SME's with ongoing welder/welding inspector testing and certification, assist in maintaining the training materials, and stay abreast of industry best practices to insure that our program stays current
- Assist the welding SME's with ongoing population of the certified welder database, the welding inspector database
- Organising and participating in RBA/RBI sessions to determine the long term inspection plans
- Carrying out failure and risk analyses through performing FMECA (including subsea hardware and controls) to understand and manage the risk of each asset for the asset life cycle

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- Unigraphics NX solids experience
  - A minimum of a Master of Science degree in Mechanical Engineering or Electrical Engineering from an ABET accredited university (or equivalent)
  - Experience in an injection molding production environment
  - Five years of experience in injection mold design and build and 3D surfacing skills
  - Moldflow analysis experience
  - 5+ years of experience in signal integrity design and verification, including 2+ years in system level