



Job Description: SR R&D Mechanical Engineer – WD30135995

Link to apply: https://jci.wd5.myworkdayjobs.com/JCI/job/Marinette-Wisconsin-United-States-of-America/Product-Design-Engineer-II_WD30135995

Who we are:

At Johnson Controls, we're shaping the future to create a world that's safe, comfortable and sustainable. Our global team creates innovative, integrated solutions to make cities more connected, buildings more intelligent and vehicles more efficient. We are passionate about improving the way the world lives, works and plays. The future requires bold ideas, an entrepreneurial mind-set and collaboration across boundaries.

What you will do:

Johnson Controls is seeking a hands-on Mechanical Engineer to join our Special Hazards Fire Suppression New Product Introduction (NPI) team at our R&D facility in Marinette, WI. This role focuses on the design, development, testing, and certification of clean agent, inert gas and dry chemical fire protection products. Responsibilities include development of mechanical hardware including concept generation, detailed design, prototyping, and design verification testing, regulatory approval testing, and launch support. This is a mostly on-site position (not remote) and is not eligible for Visa sponsorship.

How you will do it:

- Work with a team of passionate engineers, program managers, product line managers and other professionals to create world class life safety products.
- Analyze high level market requirements to establish design direction.
- Prepare design concept diagrams, detailed drawings, and specifications.
- Analyze designs for feasibility, cost optimization, vibration tolerance, mechanical stress, fluid flow, heat transfer, and other parameters.
- Direct and coordinate prototype efforts.
- Plan and execute test programs; analyze test data to optimize designs.
- Maintain a working knowledge of manufacturing methods; design products for manufacturing efficiency.
- Maintain knowledge of industry technology trends.
- Maintain knowledge of regulatory requirements and test standards.
- Prepare and present reports and presentations.

What we look for:

- Bachelor's Degree in Mechanical Engineering from an accredited university
- 6+ years of experience in mechanical engineering, mechanical product development, fire protection engineering, or a related technical discipline.
- Design verification and regulatory testing experience
- Familiarity with a structured product development process
- Able to apply engineering principles and mathematics to project work



- Demonstrated team leadership skills for broadly scoped/cross functional/large projects
- Self-motivated and driven. Able to complete work on time and at high quality levels. Able to work in a collaborative team environment.
- Strong written and oral communications skills. Able to convey detailed technical information.
- High attention to detail and solid organizational skills.

Benefits include but are not limited to: Medical (FSA & HSA), Dental, Vision, Health Support Programs, Well-Being Program, 401K and more.

Get excited!! Check out our Fire Suppression Products

Overview: <https://www.youtube.com/watch?v=csYRckrI9X4>