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# Example of Mechanical Systems Job Description

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

## Responsibilities for mechanical systems

* Provides startups and troubleshooting for a variety of commercial HVAC systems, meets with customers, evaluates their needs and makes recommendations
* Troubleshooting, diagnosis, and repairing of commercial air conditioning and multi-zone heating and cooling systems, make-up air units, air-handling units, unit heaters, boiler systems, and other systems as required
* Overseeing execution of product and technology roadmaps as related to Optical, Mechanical & Fluidics areas
* Drives technical decisions affecting product systems or subsystems within area of expertise and understands the impact of decisions outside of area of expertise
* Establishes design standards for department and determines appropriate use of tools and methods
* Demonstrates ability to foresee project/design risks/issues and devises mitigation strategies
* Partners with customers or program management to identify opportunities for product innovation or systems solutions and leads innovation that results in breakthrough solutions
* Collaborates with R&D, Operations, Quality Assurance, Regulatory, Marketing, Legal, and Business Development functions in support of cross functional product development efforts
* Assessment of emerging technologies that could accelerate our roadmap execution
* Functional management of a diverse technical team

## Qualifications for mechanical systems

* Minimum of 5 years of experience in roof systems components and subsystem engineering for serial production
* Proficiency in 3D modeling utilizing CATIA V5 is essential (minimum of 5000 hours or 3 years) within an automotive product development environment
* Ability to manage difficult projects with tight timing constraints
* 10+ years of experience in building systems with progressive career advancement
* Experience with common mechanical engineering software such as Trace 700 (Trane Commercial), Revit or AutoDesk
* Possess a well-rounded background in mechanical project design and delivery in order to meet various challenges