JOB DESCRIPTION

| **Title** | MECHANICAL ENGINEER - INTERMEDIATE | | |
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| **Reports To** | [INSERT TITLE] | | |

**Job Purpose**

The **Mechanical Engineer - Intermediate**  is responsible for the technical design and integration of mechanical systems for both new and existing projects.

This position is responsible for all stages of [Organization Name]’s production cycles, from research and design to manufacturing, installation, and evaluation.

**Duties and Responsibilities**

Responsibilities include, but are not limited to the following:

* Evaluate project requirements.
* Perform evaluation of mechanical components, devices, and engines.
* Collaborate with clients and managers to agree on budgets, timelines, and specifications.
* Use computer-aided design/modelling software, maintain and modify equipment to ensure its safety, dependability, and efficiency.
* Coordinate with suppliers in conducting relevant research, developing and implementing designs and test procedures.
* Present designs to managers and clients.
* Test, evaluate, modify, and re-test products.
* Write reports and documentation.
* Provide technical advice and data analysis and interpretation.
* Additional related duties as assigned.

**Key Qualifications and Competencies**

* Bachelor's degree in mechanical engineering or in a related field such as mechanical engineering technology.
* XX years of engineering experience.
* Certificate of authorization required.
* Strong understanding of engineering concepts and experience designing mechanical systems and products.
* Excellent mathematical skills, including the ability to solve problems using advanced mathematical principles and statistics.
* Knowledge of CAD software such as SolidWorks, AutoCAD, or others.
* Outstanding technical and problem-solving abilities, as well as reasoning ability.
* Ability to write clear and comprehensive technical documentation.
* Ability to communicate effectively and clearly.
* Must be self-motivated and an excellent team player.

**Working Conditions**

* This position is set in an office environment.
* The standard workweek for this position is [insert #] hours.
* The standard business hours for this position is [insert core hours].
* Overtime and hours worked outside of the standard work schedule may be required.
* Extended periods of sitting.
* Proper use of personal protective equipment (PPE) on job sites.