Job Description for
Design Technologist
The Design Technologist reports directly to the Principal Engineer or Design and Drafting supervisor.

Responsibilities/Duties:
(Responsibilities include, but are not limited to the following)

Design and Development:

- Mechanical and/or electrical system design and analysis.
- Concept generation.
- Assist with product development and design for contract requirements.
- Ensure design is in accordance with applicable codes.
- Prepare and review design documents, drawings and specifications.
- Produce layouts and design concepts.
- Provide technical input for various projects.
- Perform and check standard engineering calculations and detail design work.
- Initiate new design ideas.
- Prepare and participate in design reviews as required.
- Prepare Bill of Materials to accompany drawings.

Project Management:

- Ensure all schedules and deadlines are adhered to.
- Attend design and project meetings.
- Ensure all problems are addressed and resolved quickly and efficiently.
- Prepare reports and presentations for various projects.
- Assist with the preparation of proposals.
- Liaise with clients as required and document all activities.
- Ensure proper documentation of all work, products and relevant activities.

Other:

- Travel as required.
- Adhere to all environmental, health and safety regulations and follow the environmental and quality management systems.
- Other duties as assigned.
Job Specification for
Design Technologist

Experience:

1. Mechanical Design (Critical), Electrical Design (Not Critical)
2. Industrial Design
3. Relevant working experience.
   - Experience 2D and 3D CAD software (preferably AutoCAD and Inventor).
   - Able to read and interpret engineering drawings and specifications.
   - Good technical knowledge of electro-mechanical systems.
   - Experienced with DFMA principles.

Characteristics:

- Excellent ability to organize, prioritize and multi-task.
- Excellent oral and written communication skills
- Excellent interpersonal skills and ability to work as part of a team
- Excellent drafting (CAD) skills
- Able to work with minimal supervision
- Detail oriented
- Analytical and creative thinker
- Initiative
- Solid Judgment
- Strong problem solving skills