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# Example of Propulsion Engineer Job Description

Our company is hiring for a propulsion engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for propulsion engineer

* Interface with our world-class production team to ensure that your designs are successfully translated into the fleet of rockets that is revolutionizing access to space
* Per-mission analysis on attitude control systems, propellant conditions, tank pressurization systems to maximize performance while staying robust
* Definition of requirements for Propulsion Systems
* Development of complex specifications for Propulsion Systems and its sub-components including necessary calculations and system design
* Preparation of concepts and studies for Propulsion Systems concerning system configurations, control strategies, protection schemes and EMC/EMI
* Coordination of the Propulsion functionality with auxiliary power supply systems
* Coordination with mechanical design for incorporation of the respective systems into
* Rail car design
* Preparation of proposal documents
* Coordination of the Propulsion system within a project team

## Qualifications for propulsion engineer

* Able to provide support to the propulsion test team to insure development and certification test engines are assembled and safely tested with required instrumentation on schedule and on budget
* Build constructive working relationships with diverse technical and laboratory teams
* Supports fielded systems to assure continued reliability
* PhD degree in Mechanical or Aerospace Engineering with experience in research and/or teaching in a propulsion-related area
* Typically requires a bachelor’s or master’s degree in engineering or a related technical discipline from an accredited institution and progressive engineering experience as follows
* At least 2 years experience in electrical power systems, in industrial environments