

Job Detail

Senior Level

Position Title	【Microsatellite】 Structural/Vibration Design Engineer
Recruiter Company	Robot Job Japan / Global Career Agent Inc.
Company Name	Company name is private
Activated / Updated	2024-04-18 / 2024-04-18
Job Type	Manufacturing (Automobile/Plant Engineering/Precision Equipment) - Basic Research and Development Manufacturing (Automobile/Plant Engineering/Precision Equipment) - Architect/CAD Architect/CAD Operator/Plant Architect Electronics (Appliance/Semiconductor) - Basic Research and Development
Industry	Manufacturing - Other
Location	Asia Japan Tokyo
Job Description	<p>As a seasoned Mechanical Engineer, your primary responsibility is to lead the design and analysis of the structural and vibration aspects of our mission payloads. This pivotal role encompasses enhancing current systems, proposing new concepts, executing mechanical design, and realization of functional devices and its tests.</p> <ul style="list-style-type: none"> - Design and evaluate structure to mitigate payload launch and in-operation vibrations - Evaluate payload in its environment (from structural point of view) - Communicate between payload and satellite bus stakeholders - Produce manufacturing documents - Handle manufacturing / outsourcing - Build a prototype and perform required tests - Participate in mission components assembly and integration tests.
Company Info	<p>Building earth-observation platform by microsatellite constellation. Propose solutions based on microsatellite data. Design and production of microsatellites and related components. Launch arrangements and operational support.</p> <p>For further job listing of Robotics, AI, IoT, New Mobility opportunities, please check http://www.gc-agent.com/robotjobjapan/</p>
Qualifications	<p>【Must】</p> <ul style="list-style-type: none"> - Bachelor's degree in engineering fields or physics. - 5 years work experience in mechanical design, with experience in: <ul style="list-style-type: none"> a) structural design b) vibration analysis c) implementation of vibration mitigation solutions (e.g. damping system, etc) - Ability to understand and define requirements - Ability to derive technical solutions from requirements - Experience in prototyping or designing from the ground up - Experience in vibration tests (sine wave / random wave as test content) <p>[Preferred]</p> <ul style="list-style-type: none"> - Master's degree in engineering fields or physics. - Experience in thermal analysis (creation of analysis model, temperature prediction analysis, modification of mechanical design based on analysis result) - Experience in thermal stress tests (equipment used is a thermal vacuum chamber or a constant temperature bath) - Experience in Python (or other data analysis tool) - Knowledge of mechanical design of optical telescopes - Knowledge of the properties of metallic and/or composite materials - Experience in mechanical assembly
Salary	JPY - Japanese Yen JPY 5500K - JPY 8000K
Salary Description	経験及び能力に応じて面談の上、採用時に決定 社会保険完備 交通費全給

Holiday Description	Five-Day Workweek Paid Holidays Congratulatory or Condolence Leave
Job Contract Period	Permanent

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