



Republic of the Philippines
Office of the President
Philippine Space Agency



Project Technical Specialist I

Status: Contract of Service

Monthly Salary: Php 47,606.40 (*inclusive of 20% premium*)

Item Code: COS-PTS1-136

Division: Spacecraft Payload and Communications Systems Development Division

Required Qualification:

Education:	Bachelor's degree in engineering and sciences such as in Aerospace Engineering, Mechanical Engineering, Structural Engineering, Physics, or other allied fields.
Experience:	1 year of experience in 3D CAD modelling and engineering drawings for fabrication
Training:	None required
Eligibility:	None required

Duties and Responsibilities:

- 1) Study references and documentation from previous projects regarding airborne hyperspectral payload and other optomechanics subsystem designs;
- 2) Provide inputs on the local design, development and implementation of an optomechanics subsystem;
- 3) Perform verification of design, via analysis and simulation, of the HYPI payload's structure and optomechanical parts.
- 4) Perform 3D CAD model simplification and preparation for Finite Element Analysis (FEA);
- 5) Perform or aid in structural, thermal, and modal analysis via FEA software (ANSYS or MsC software) and aid in the preparation of mechanical drawings;
- 6) Prepare technical specifications for the procurement of mechanical components needed for payload development;
- 7) Work closely with the Project Leader, Technical Lead, and Subsystems Lead regarding the plans, requirements, concerns, problems, and other project-related matters.
- 8) Provide regular reports or updates on the progress of the assigned tasks.
- 9) Submit pertinent documentation/s on the accomplished tasks at the end of the contract;
- 10) Must agree that all information shared to him/her is confidential and cannot be used for any other purpose, except those that are publicly available;
- 11) Perform other regular or special duties as may be assigned from time to time.

Applicants who have all or any of the following background are encouraged to apply:

Experience/ Training Background:

- Designing structural models via 3D CAD modelling software;
- Performing analysis via engineering simulation software;
- Performing environmental testing to products;
- Geometric dimensioning and tolerancing (GD&T) training would be a plus
- Satellite engineering or project experience/training is a plus

Competencies:

- Proficient in 3D CAD modelling (Autodesk Inventor, SolidWorks, etc);
- Proficient or knowledgeable in preparing engineering drawings for fabrication;
- Familiar with engineering simulation software (proficiency in ANSYS (Mechanical) and/or MsC software would be a plus);
- Proactive and take prompt action to accomplish tasks and meet goals and objectives in a timely manner;
- Must be able to report issues/problems, discuss, and communicate openly, thoroughly, and collaboratively;

- Thorough, pays close attention to detail, and strives to achieve accuracy and consistency in all tasks;
- Develops and maintains positive work relationships with others;
- Willingness to learn and acquire diverse skills over different fields.



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