



Job Description

Integration/Systems Engineer

Key Responsibilities

Integrate every systems and ensure proper interoperability between every equipment used in engine test bed and future pulse development engine. Candidate will be responsible for but not limited to the following tasks:

- Integrate systems and subsystems related to pulse detonation engine to assure engine test bed reliability
- Manage engine system design iterations and its parts number based on milestone
- Coordinate with UAS development team to integrate propulsion system with space plane
- Verify, validate and assure system interoperability between components
- Create and develop overall system concept for future pulse detonation engine
- Develop plans to test full system integration
- Collect and analyze data from engine test firing.
- Assist in space plane assembly

Required/Essential Skills

- Knowledgeable in basics of flight dynamics, mechanism and avionics of airplane and rocket
- Strong understanding and extensive experience designing and programming algorithms in C, C++, Matlab and embedded coding languages
- Work experience in design and testing laboratories
- Bachelor's degree from an accredited institution, with concentration in Aeronautical, Astronautical, or Electronics Engineering

General Skills and Competencies

- English proficiency (equal or above TOEIC 550, TOEFL iBT 57 points)
- Able to find, analyze and solve problems independently
- Proactive and have flexibility to move and/or support other teams
- Capable of working under pressure and for extended hours when necessary
- Capable of working in fast paced dynamic environment
- Capable of making of and adapting to quick design changes.

Preferred Skills and Experience

- Master's degree from an accredited institution, with concentration in Aeronautical, Astronautical, or Electronics Engineering
- General knowledge in mechanical design, thermodynamics, fluid mechanics, electrical engineering, and control engineering
- Experience in piloting RC/Drone (fixed wing)
- Familiar with aircraft assembly methods
- Knowledge of Japanese is not required but useful

Location

Hekinan city, Aichi prefecture, Japan. Occasional trip and short term stay may be required.

Intake process

Download required application documents on the link below

Fill documents and send to info@pdas.co.jp

https://pdas.co.jp/documents/PDAS_member_documents-set.zip

Candidate that pass document screening will be contacted to schedule interview.

Please address any question to info@pdas.co.jp

About PD Aerospace

PD Aerospace is a space start-up company that was founded in 2007. PD Aerospace is developing a fully reusable space plane equipped with original technology engine (technology successfully tested in 2017). PD Aerospace is currently developing unmanned space plane to cultivate core technology and planned to start commercial manned spaceflight.