



## **Job Description**

### **Integration/Systems Engineer**

#### **Key Responsibilities**

Work between engineering teams assuring everyone is working with up to date information and help to assure interconnectivity of various parts and subsystems of vehicles. Candidate will be responsible for but not limited to the following tasks:

- Integrate aircraft systems and subsystems and ensure their interconnectivity through design revisions.
- Manage space plane design iterations and its parts numbers and document the development process
- Coordinate with different engineering teams making sure everyone is working with up to date information, including teams external to the company
- Research and implement project, quality and engineering management systems suitable for young and small venture organization
- Assist in space plane mission and requirements definitions
- Develop flight tests parameters and flight plan to test full system integration
- Collect and analyze data from flight tests.
- Assist in systems integration and space plane assembly

#### **Required/Essential Skills**

- Knowledge of systems engineering
- Knowledge of various quality, project and engineering management systems
- Successfully completed a complex development project in a small organization, preferably as a lead
- Knowledgeable in flight dynamics, mechanisms and avionics of airplanes and rockets
- Experienced in CAE design (3D CAD software proficiency)
- Bachelor's degree from an accredited institution, with concentration in Aeronautical, Astronautical, Aerospace, Automation, Electronics, Telecommunication, Systems or Mechanical Engineering

#### **General Skills and Competencies**

- English proficiency (equal or above TOEIC 550, TOEFL iBT 57 points)
- Japanese proficiency (equal to or above N2 level)
- 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, Aerospace, Automation, Electronics, Telecommunication, Systems or Mechanical Engineering
- General knowledge in FEA, CFD, materials engineering, kinematics, thermodynamics, fluid mechanics, soldering, programming, electrical engineering, signal buses, radio frequency engineering, and antenna systems
- Experience in piloting RC/Drone (fixed wing) and flight tests
- Able to craft and build test parts and equipment by hand.
- Familiar with aircraft assembly methods

**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 [careers@pdas.co.jp](mailto:careers@pdas.co.jp)

[https://pdas.co.jp/documents/PDAS\\_member\\_documents-set.zip](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 [careers@pdas.co.jp](mailto:careers@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.