



Job Description

Vehicle technician

Key Responsibilities

Assemble and maintain suborbital space planes and supporting systems. Candidate will be responsible for but not limited to the following tasks:

- Conduct systems integration and space plane assembly
- Perform maintenance and modification work for vehicles and support systems
- Develop test rigs for component and system tests
- Assist in component and subsystem testing
- Assist in space plane flight testing

Required/Essential Skills

- Experience in mechanical, electrical and fuel system assembly work
- Familiar with aircraft assembly methods
- Understanding of basics of flight dynamics, mechanism and avionics of airplane and rocket
- Experience in CAE design (3D CAD software proficiency)
- Able to read technical/manufacturing drawings
- Able to read wiring diagrams and schematics
- Understand various materials and components, their properties and manufacturing processes (metal, plastic, FRP, etc.)
- Able to craft and build test parts and equipment by hand

General Skills and Competencies

- 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

- English proficiency (equal or above TOEIC 550, TOEFL iBT 57 points)
- Degree from an accredited institution, with concentration in Aeronautical, Astronautical, Aerospace, Electronics, Telecommunication, or Mechanical Engineering
- General knowledge in mechanical system design, FEA, and kinematics
- Familiar with various fabrication methods (CNC lathe, milling, 3D printing, composite material layup, etc)
- Familiar and experienced with various welding techniques (arc welding, TIG, spot welding, friction welding, etc)
- 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 careers@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 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.