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CYIENT

Aerospace Loads Engineer (Team Lead)

Job Information

Hiring Company
Cyient K.K.

Job ID
1490789

Industry
Automobile and Parts

Company Type
Large Company (more than 300 employees)

Job Type
Permanent Full-time

Location
Aichi Prefecture

Salary
Negotiable, based on experience

Refreshed
January 21st, 2025 10:00

General Requirements

Minimum Experience Level
Over 10 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

Position: Aerospace Loads Engineer (Team Lead)
Location: Nagoya
Language: Bilingual

Job Description:

We are seeking an experienced Aerospace Loads Engineer (Team Lead) to join the Cyient team remotely in the US. Ideal candidates will have experience working across all aspects of aircraft loads analysis, across all phases of the aircraft life-cycle, from concept generation to certification and entry into service. You have also developed technical requirements for Loads discipline and taken responsibility for managing them throughout the life-cycle. You also have good understanding of aircraft development processes (e.g. ARP4754). Ideal candidates also have a fluency in the Japanese language.

This position is an remote/WFH position. However, there is some travel expected to Nagoya, Japan. All candidates must have a valid passport to travel, and be open to a 1-2 month project kick-off/training program in Nagoya.

You Will:

- Work across all aspects of aircraft Loads analysis, across all phases of the aircraft life-cycle, from concept generation to certification and entry into service.
- Generate technical requirements for Loads discipline and take responsibility for managing them throughout the life-cycle (capture, mature, validation and verification).
- Work across multiple disciplines and harmonize technical challenges across multiple teams.
- Use your deep knowledge in one-of Part/CS 23/25/27/29 and experience to develop means of compliance for requirements relating to Loads.
- Develop techniques from blank sheet to aid aircraft design, integration and testing.
- Quickly learn from team members about differences with conventional fixed/rotary wing aircraft.
- Use your understanding of rotor blade aerodynamics and rotor dynamics, to a level that impacts Loads analysis.

Required Skills

You Will Need:

- Bachelor’s degree or higher in Mechanical Engineering/Aerospace/Aeronautical Engineering or related discipline.
- Minimum of 10 years experience in Loads analysis for certified aerospace vehicles.
- Good understanding of aircraft development processes (e.g. ARP4754).
- Deep knowledge in one-of Part/CS 23/25/27/29 and experience in developing means of compliance for requirements relating to Loads.
- Loads knowledge and experience for multi-copters. If no practical experience, then at least an understanding of theory and the challenges associated with certification (and major differences to conventional f/wing or r/wing).
- Experience with Interactions of Systems of Structures regulations and/or computing loads for aircraft with fly-by-wire control system.
- Understanding of aerodynamics of multi-copters and impact on Loads requirements and analysis

Company Description