

Mechanical Stress Engineer (m/f)

EUROCOPTER - An EADS Company

REFERENCIA : 10205624

PARA SOLICITAR EL PUESTO : <http://eads.contactrh.com/jobs/4330/3136167>

TIPO DEL CONTRATO : CDI

LOCALIZACION : Marignane 13725, France

NIVEL DE LOS ESTUDIOS : Bac +5

ANOS DE EXPERIENCIA : 2-3 ans

FECHAS : À partir du 01/05/2013

SECTOR : Industry (Aeronautical/Spatial)

FUNCION : Studies - research (R&D Engineer/Researcher)

SOCIEDAD :

In 2011, Eurocopter confirmed its position as the world's number one helicopter manufacturer with a turnover of 5.4 billion Euros and a 43 % market share in the civil and parapublic sectors. The Eurocopter group employs approximately 20.000 people. Eurocopter's strong international presence is ensured by its subsidiaries and participations in 21 countries.

DESCRIPCION DEL PUESTO :

Within the Eurocopter R&D division, you will join the Dynamic Systems department, as a Stress Engineer where you will more specifically work within the service tasked with defining, sizing and certifying the Rotors in development.

Your main activities will include:

- sizing the mechanical components for rotors in the development phase
- preparation, follow-up and analysis for rotor part fatigue tests
- preparation, follow-up and analysis for flight tests with pilots in order to process the load necessary for the calculations.
- analysing the constraints and justifying part resistance (composite and metallic assemblies) under fatigue and static loads.
- preparation of data for detailed calculations and documents to be provided to the authorities, meeting cost, maintainability, structural integrity, manufacturability, performance and safety objectives
- analysing incidents occurring on helicopters in-service and responding to customer support requests
- supporting production for processing nonconformities
- developing methodologies and scientific calculation

This position represents an opportunity to:

- work on vital parts in a high technology environment,
- manage designs up to their production,
- show your creativity in the materials field.

PERFIL :

You graduated from an engineering school in mechanics or structure mechanics.

You have at least 3 years of professional experience in the mechanical sector, ideally in the fields of aeronautics, spatial or automobile.

You have acquired skills in the following areas:

- proficiency in using finite element modelling software (preferably Samcef and Hypermesh)
- sound skills in materials resistance
- sound skills in mechanics (systems behaviour and operation)
- good understanding of composites and metallic materials (desirable).
- knowledge of fatigue (desirable).
- knowledge in design (desirable)

You are adept at making proposals, you are organised and enjoy innovation. You have excellent leadership skills, you are meticulous and have great interpersonal skills.

This position requires an advanced level of English.

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