

## **Title: Structure Analysis Engineer**

### **Responsibility:**

Perform pre-design trade studies for aircraft structure. Construct and analyse finite element models in support of design / stress architect activities. Calculate internal loads used for aircraft sizing and predict global stiffness to calculate external aircraft loads. Perform non-linear stress analysis, improvement in fatigue methods and development and investigation of repairs.

### **Domain expertise required:**

Aeronautical / Mechanical Engineer with experience from aircraft industry.

### **Technology expertise required:**

Strength of materials, aircraft sizing principles, linear and non-linear stress analysis, structure fatigue and repairs. Working knowledge of NASTRAN / ABAQUS, PATRAN / HYPERMESH, PYTHON / FORTRAN, CATIA V5.

### **To apply:**

Send your latest CV to [structure.aeci@airbus.com](mailto:structure.aeci@airbus.com)