



**Job Title:** R&D Mechanical Engineer

**Start date:** asap.

**Location:** Edinburgh

**Salary:** according to experience

### Job Description

ACT Blade Ltd develops and commercialises the ACT Blade technology, a lightweight wind turbine blade. At this stage, the company is developing the ACT Blade product. ACT Blade is looking for an R&D Mechanical Engineer with expertise in FE Analysis and composite material design and proven experience of fast prototyping and manufacturing systems.

The candidate must have good attitude to carry out challenging tasks and be flexible with good communication skills.

### Key responsibilities

- As part of the ACT Blade R&D team, the R&D mechanical engineer will be responsible for:
  - Performing structural analysis using established tools
    - to influence design decisions
    - to demonstrate structural integrity against product requirements
    - to analyse structure failure
  - Look to increase efficiency of structure
  - Define design and technical requirements for fast prototyping and product
  - Communicate effectively with colleagues and clients (internal and external)
  - Ensure projects are delivered to client's standards to cost and budget
- Be able to make decisions and solve problems (problem solving and decision making ability)
- Works under supervision but uses initiative

### Basic Requirements

- Bachelor's degree (BA/BS) from a 5-years university or MSc equivalent in Mechanical/ Aerospace/ Material Engineering.
- A minimum of two years of working experience using 3D CAD and FE-Analysis tools, Non-Linear analysis
- A minimum of two years of working experience with prototyping
- Some experience with the analysis of composite materials and Composite Structures
- Must be fluent in English and able to write reports
- Ability to integrate in a dynamically evolving team

### Preferred requirements

- Composite structure design for light and flexible structures
- Structural Dynamics
- Aero-structure interaction
- Wind turbine blade design

To apply, please send an introduction letter and your CV to Dr. Sabrina Malpede [s.malpede@actblade.com](mailto:s.malpede@actblade.com).