



## **Job Description- Product Design and Manufacturing Engineer**

**Job Position:** Product Design and Manufacturing Engineer

**About Arralis:** Arralis is a rapidly scaling technology company, providing world leading expertise in RF, micro and millimetre-wave technology. Arralis' core focus is in W, Ka and E bands where it is building fully integrated RF front ends. Arralis designs and manufactures MMICs, modules and antennas for these bands and provides fully integrated systems for vision and radar applications. Arralis' products, which are the ultimate in precision and innovation, are used in both global and space environments where accuracy and reliability are critical.

**Location:** Limerick, Ireland.

**Terms:** Permanent, full time.

**Salary:** Competitive.

**Start Date:** Position is available for immediate start

### **Responsibilities:**

The role has direct involvement in the development of new products in a forward-thinking company (From R&D to Mass Manufacturing). As an engineer/designer you will bring products from conception, to development to production. You will join a team with an interest in creating next-generation platforms and technologies for the global market.

The role suits a strong Engineer/Designer with product/part design and manufacturing experience. Your day-to-day role will focus on the design and development of mechanical parts, system housings and system solutions from early design stage to release, including sustaining engineering and management as the product goes out into the market. Bringing products to production stage.

### **Address**

Arralis Ltd.  
Tierney Building,  
University of Limerick,  
Limerick,  
Ireland.

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info@arralis.com  
www.arralis.com

### **Registered Address**

Arralis Ltd.  
Deloitte & Touche House,  
Charlotte's Quay,  
Limerick,  
Ireland.

### **Company Directors**

Gillian Yeung (Canadian)  
Stephen Gilmartin

**Skills / Experience:**

- Previous Engineering/ Product Design/ Industrial design/ Manufacturing experience (Ideally 3 years min.)
- Good mechanical design mindset.
- Experience in DFM.
- Proficient with Solidworks or similar CAD software.
- Produce detailed drawings for production.
- Ability to work effectively alone and as part of a team.
- Previous experience with RF or electrical systems an advantage but not a requirement.
- CNC/ 3D printing experience an advantage but not necessary.

**Work activities**

- Designing and developing new parts, systems and solutions from concept to production.
- Meeting clients and colleagues to discuss design brief and modifying ideas according to feedback received.
- Align with internal cross-functional teams and contract manufacturers or vendors to ensure system design, architecture, and verification/validation meets design input.
- Researching/ reverse engineering similar products to generate new ideas.
- Making detailed sketches of ideas by hand and using CAD.
- Understanding technology, production methods and materials (such as milling, metals, plating, electronics, 3D printing etc.).
- Choosing materials, organising and ordering parts, producing working models of designs and overseeing the testing prototypes.
- Working within budgets and to deadlines.
- Creating documentation to support product design, manufacture, product validation, marketing etc.



- Develops processes, materials and solutions through in house and out of house development paths.
- Evaluate external technologies and strategically identifies opportunities to implement them.
- Create concept product visualisations/ renders.

If you have the above experience and wish to apply for this role, please forward your CV and Cover Letter to [info@arralis.com](mailto:info@arralis.com)