

## Job Title: Junior Mechanical Design Engineer

### Overview:

We are seeking a talented and motivated Junior Mechanical Design Engineer to join our team. This role offers the opportunity to work on cutting-edge projects, designing, prototyping, and testing innovative systems. You will collaborate with a multidisciplinary team to deliver solutions for challenging engineering environments.

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### Key Responsibilities:

- **Design and Prototyping:** Create mechanical designs and build prototypes that align with project specifications.
  - **Testing and Evaluation:** Conduct rigorous prototype testing and performance evaluations to ensure reliability and compliance.
  - **Documentation:** Maintain accurate and up-to-date design documentation, ensuring traceability and adherence to industry standards.
  - **System Integration:** Support system integration tasks, including collaboration on electrical and mechanical interfaces.
  - **Testing Implementation:** Develop and execute test plans, analyse data, and contribute to iterative design improvements.
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### Qualifications and Experience:

- **Education:** Bachelor's degree in Mechanical or Mechatronic Engineering (or equivalent).
  - **Technical Skills:**
    - Strong understanding of engineering design principles and material selection.
    - Proficiency in 3D CAD software (e.g., SolidWorks, AutoCAD, or similar).
  - **Experience:**
    - 2+ years of relevant industry experience, including internships or co-op placements.
    - Experience in any of the following areas is a strong advantage:
      - Design for harsh environments
      - Electrical engineering or collaboration with multidisciplinary teams.
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### What We're Looking For:

- **Problem-Solving:** Strong analytical and critical thinking skills to identify and resolve design challenges.

- **Communication:** Excellent verbal and written communication skills to present ideas and document work clearly.
  - **Teamwork:** Ability to work both independently and collaboratively in a team environment.
  - **Adaptability:** A proactive, self-motivated mindset with a willingness to learn and take on new challenges.
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### Why Join Us?

- **Innovative Work:** Contribute to exciting projects in cutting-edge engineering fields.
- **Growth Opportunities:** Gain hands-on experience and grow your career in a supportive environment.
- **Collaborative Culture:** Join a team that values creativity, diversity, and teamwork.

### About Konree Innovation:

Headquartered in Ireland, in culturally vibrant Galway city at the ATU iHub, Konree Innovation is developing technology-based pest management solutions for salmon aquaculture, initially targeting sea lice.

Salmon aquaculture produces a healthy, nutritious, low carbon footprint animal protein and this **industry can support a healthier planet, lower carbon economy and climate change via a dietary shift away from high carbon animal proteins**. The main salmon producing regions of the world are: Norway, Chile, Scotland, Canada, Iceland, Faroe Islands, Tasmania, New Zealand, and Ireland. However, the sea louse, a regulated pest is the #1 biological obstacle preventing the industry from growing.

Galway-based Konree Innovation is an exciting startup in the aquaculture technology area. Our aspiration is to make a global impact by helping solve one of the most persistent problems in salmonid aquaculture, the sea louse. By doing so, we will play our part in helping to transition planetary food production from high carbon footprint animal proteins toward a much lower one and ultimately playing a part in Climate Action.

Do you want to join us and make a positive impact on the planet?