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## Consultant - Engineering Design

Reports to: Principal - Engineering Design  
Location: London

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### Summary

Due to the growth of our clients and projects, PDD has an exciting opportunity to recruit a talented graduate Mechanical Engineer with good technical ability and communication skills to join our team. Leveraging your creativity and enthusiasm for design and engineering, you will collaborate with our team to develop technically challenging and innovative products from early ideas to production.

### Key Responsibilities & Accountabilities

- Create inventive, appropriate and practical technical concepts and assess feasibility
- Research, source and specify applicable technologies, suppliers, materials and processes
- Develop concepts into reliable and robust solutions; including 3D CAD modelling, math models and FEA/CFD, risk analysis and managing prototypes for testing
- Detail and specify design for manufacture; including engineering drawings, tolerances and specifications
- Create and control documents including presentations and reports
- Communicate and present work to clients
- Operate within the PDD quality system and wider regulatory framework
- Use our in-house workshop and prototyping facilities (run by technicians) to produce models, jigs and fixtures for testing and iterative design

### Requirements

Minimum requirements include:

- 1st or 2:1 Bachelor's/Master's Degree in Mechanical Engineering or equivalent
- Strong analytical capabilities including:
  - mechanism design
  - structural analysis
  - math modelling
  - tolerance calculations
- Excellent written and verbal presentation skills
- Familiar with 2D/3D CAD modelling (SOLIDWORKS preferable)
- Familiar with materials and processes including moulding, casting, machining and fabrication

Ideally you also have experience in the following areas:

- Familiar with FEA/CFD
- Familiar with programming (Python, C++, Arduino)
- System level design including electronics and software integration

## PDD

PDD is a design and innovation consultancy creating physical and digital products and experiences that drive our client businesses and delight their customers and users. We have been winning awards and serving our long-standing clients since 1980.

With studios in London, Hong Kong, Shanghai and Boston, and working in 6 continents, our experienced managers and talented researchers, designers and engineers help companies in the healthcare, consumer and industrial - commercial sectors to grow their businesses through innovation.

We ensure that product and experience solutions are successful by ensuring they are appealing to customers, are feasible and viable for clients to make and are responsible given regulation, society and the environment. Such success creates our future- and it's this sustainable 'win-all-round' business model that excites us- we call it 'Meaningful Innovation'.

We are committed to a workplace environment that promotes diversity across all our studios and this applies to the talent we hire, the customers we work with and the people we interact with on our projects. We offer competitive pay, a range of excellent benefits and opportunities for international travel. Working with us also opens up new networking opportunities and a chance to engage with colleagues at social events.

To apply for this position, please email [careers@pddinnovation.com](mailto:careers@pddinnovation.com) with a cover letter and your CV.

We look forward to hearing from you.

PDD Talent Management