



## JOB DESCRIPTION FORM

IDENTIFICATION			
Job Title:	Post Graduate Trainee Engineer		
Unique Job Code	CPL-PGT002	Date	11-10-2022
Business Area	Engineering	Work Time	Full Time (Flexi)
Contract Type	Permanent	Location	Warwickshire

PURPOSE
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### ROLE

The Post Graduate Trainee Engineer (PGTE) will work under the supervision of a Senior Engineer on component design projects. Components can be for either external clients or for internal Coexlion projects. Projects will predominantly be in the domain of electric motorcycles and scooters. The Post Graduate Trainee Engineer will be involved end-to-end, from concept initiation until design validation stage, and where possible the exposure will be as diverse as possible covering different system areas, materials, and manufacturing processes.

The PGTE will be an integral part of the global engineering team and will work on real projects and will be given real responsibilities that will increase along with their growing knowledge and experience. They will work closely with their colleagues in both the UK and India to deliver engineering solutions that meet overall project requirements cost, quality and program timing.

The successful applicant will have achieved high standard of academic proficiency and demonstrated a passion for engineering through their extracurricular activities.

The PGTE will report to the Managing Director. In addition, the PGTE will be assigned a mentor who will assist their on-the-job development.

The role may require travel to clients and vendors both within and outside of the UK.

### KEY TASKS & ACCOUNTABILITIES

- Work within an allocated budget and timeline for deliverables.
- Manage workload and escalate appropriately to supervisor when there is a risk of deviation to Cost Time or Quality.
- Contribution in team discussion and offering new ideas and innovations.
- Applying engineering principles and executing calculations accurately.
- Where required support production with face-to-face contact with the vendor base.
- Support validation and testing activities.
- Be familiar with company processes and best practices.
- Document and report in a robust and professional manner.
- 3D CAD design, adhering to best practices for parametric modelling.
- 2D drawing creation in line with international drafting standards.
- Use of CAE for structural analysis and optimisation of designs.



## REQUIREMENTS

### KNOWLEDGE, SKILLS & EXPERIENCE

- Enthusiastic Engineer, projects in the domain of design or automotive engineering is an advantage.
- Familiarity with international drafting standards and GD&T.
- Familiarity with DFM/DFA/DFS considerations.
- Familiarity with main cost drivers in engineering design.
- CAD proficiency in Creo is an advantage.
- Experience of Matlab Software is an advantage.

### QUALIFICATIONS

- Bachelor/Masters Degree in a Mechanical/Electrical/Electronic/Mechatronics/Robotics engineering from a well-established college.
- Practical skills and hands-on experience are both highly valued in your application.
- Participation in Formula Student, or similar competitions is highly valued.

## PERSONAL ATTRIBUTES

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The successful candidate will have a passion for engineering. We are not looking for 9am to 5pm engineers who leave their engineering enthusiasm in the desk drawer at the end of the day. If you go home at the weekend and spend your time maintaining / modifying your own car/bike; or if you spend your spare time racing or rallying; or even if you are an avid F1 fan and you read all the technical insights; then you are our kind of person. We believe that innovation comes from a cross pollination of ideas. You won't find anything new in a textbook, so we want you to be out there trying new things. If you join our team, we won't shackle you to a desk and crush these dreams, we will actively encourage and support you where we can.

### VALUES

Coexlion delivers '*Excellence through collaboration.*' The core values below inform how we think, behave, and deliver this engineering excellence. We are looking for candidates who naturally align themselves to these coordinates.

#### - COLLABORATION

We are a team. Our engineers are not judged on their individual contributions, but on the positive effect that they have on those around them.

#### - COEXIST

We Coexist with Nature; we believe in a future where the pursuit of technical advance is not at the expense of the environment. We strongly believe in the coexistence of humanity; we are a multi-cultural, global company. We welcome and respect everyone equally.

#### - ACCOUNTABILITY & TRUST

We stand for honesty and integrity. We trust our employees to take responsibility for their own conduct and deliverables. We show this through flexible working patterns and absence of "clocking in." In turn we expect self-motivated, punctual, and dedicated team members.



- **ACHIEVING**  
We get things done. We don't sit in meetings, passing the buck, talking over the issues. We own the problems; we take action, and we get it done.
- **EXCELLENCE**  
Our solutions are not quick fixes or short-term gains. We take the long-term view, and we do it right. We take pride in doing things well. We aim to be the best.
- **INNOVATION & EFFICIENCY**  
Every decision we take we ask ourselves; Can it be better? Is there waste? How can we be more efficient? This drive for improvement fuels our innovation.

#### DISCLAIMER

A large part of Coexlion is client driven, therefore responsibilities and accountabilities may from time to time change to meet client requirements.

This job description may not detail some duties allocated to the post holder, nor cover duties of a similar nature, commensurate with the role, which may from time to time be reasonably required by the relevant manager.