

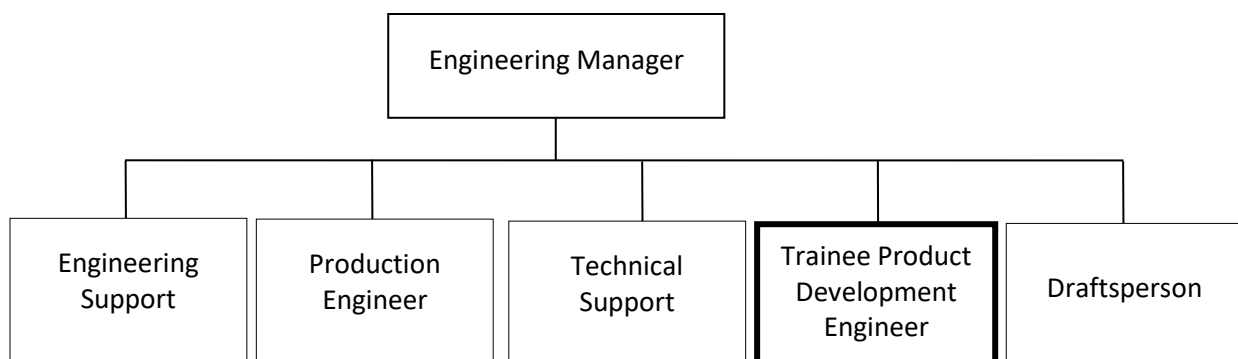
Job Description – Trainee Product Development Engineer

Job Title	Trainee Product Development Engineer
Location	Based in Sheffield
Responsible To	Engineering Manager
Date	May 2019

Job Purpose

To develop luminaires, luminaire components, lighting designs and other Abtech equipment as required.
 To be involved in manufacturing process development.
 To liaise with customers and suppliers.

Reporting Structure



Main Duties & Responsibilities

Design

- Develop conceptual designs to required specifications.
- Produce detailed drawings for prototype and component manufacture.
- Develop manufacturing and certification prototypes.
- Produce cost analysis reports.
- Develop designs for manufacture.
- Develop and maintain Bills of Material and costs.
- Develop and document manufacturing and testing processes and procedures.
- Engage with key stakeholders throughout the development process.
- Develop, and work to, timing plans for design and manufacturing.
- Create lighting designs to customer specifications.

Product Knowledge / Legislation

- Keep up to date with technical developments in various fields such as driver technology, LED technology, IOT, Industry 4.0 etc.

- Keep up to date with all international standards for Abtech products.
- Carry out competitive analysis.

Technical Support

- Liaise between sales teams and engineering department.
- Liaise with customers and suppliers.
- Generate and distribute technical information in a variety of formats.
- Carry out site visits.

Training

- Keep knowledge up to date on all systems including Efacs, Draftsight, Solidworks etc.
- Provide product training for customers.

General

- Ensure all KPI's and targets are met.
- To adhere at all time to all the Company's policies and procedures, including Health and Safety, Quality Assurance and Equality and Diversity.
- Any other duties which are commensurate with the post.
- A flexible approach to work and to work outside normal office hours when required.

Disclaimer

This job description is only a summary designed to indicate the general functions of the role. It is not an exhaustive list expected of this post and therefore the duties and responsibilities might differ from those outlined in this description. The company reserves the right to modify duties or job responsibilities at any time. Any job description provided to you by the Employer will not form part of your contract of employment unless specified otherwise.

Person Specification – Product Development Engineer		
Knowledge	Essential	Desirable
An understanding of basic electrical techniques and concepts	√	
A detailed knowledge of products and materials		√
Up-to-date technical knowledge		√
A general knowledge of manufacturing and production procedures	√	
A working knowledge of CAD 2D and 3D capability	√	
Experience	Essential	Desirable
Experience of working within a manufacturing or engineering environment		√
Skills	Essential	Desirable
Logical thinker with good analytical and problem solving skills	√	
A proven track record of meticulous accuracy and attention to detail	√	
An in depth understanding of the software and equipment your customers/employees are using	√	
An ability to communicate with all levels of the business	√	
Excellent influencing skills and the ability to challenge constructively	√	
Good interpersonal and customer service skills	√	
Reasonable mathematical skills	√	
Strong organisational skills	√	
A high level of self motivation with the ability to work on own initiative and as part of a team	√	
Ability to work calmly and effectively under pressure in a busy environment	√	
Driving licence		√
Qualifications	Essential	Desirable
GCSE's Grade A-C	√	
AS / A-Levels or equivalent – good standard	√	
HNC/ HND / Degree in a relevant engineering discipline would be an advantage	√	