

**Company: Redbourn Engineering UK**

**Position: Mechanical Engineering Design Student**

**Duration: 12 weeks**

**Redbourn Engineering is based in Mildenhall UK, close to the city of Cambridge.**

The company has developed a range of innovative switching devices that are used in Smart Electricity Meters. There has been a very positive response from the industry, and a number of major projects are now underway.

An opportunity exists for a student to undertake a 12 week placement at Redbourn in the UK.

The objective would be to work alongside the existing R&D team in the development of custom solutions for projects. This will involve working closely with the Senior Design Engineer to correctly interpret customer designs. This will involve the use of SolidWorks to create 3D cad and 2D Drawings. This will be an opportunity to carefully analyse designs and make recommendations to improve efficiency and performance. Once the design is agreed with the customer, the drawings are then finalised along with the Bills of Materials. This would provide a good understanding of how design activity is translated into factory environments in preparation for manufacturing.

During the development phase, you would also get the opportunity to support in the development of prototypes and in some product testing. Redbourn has a laboratory facility for device testing. This is an important facility in the company and one that is used to validate design and development activity.

Redbourn is ramping up the manufacture of products during 2016. During such a ramping up phase, opportunities to refine designs and make improvements and cost reduction changes will be required. You will get the opportunity to work on such a change programme, refining the design, ensuring that the change is validated, updating the documentation and then finalising the changes in the factory environment.

Redbourn has a group of engineers with a lot of experience in a broad range of industries and technologies. It is a good environment for learning for the right candidate.

You would be expected to draw on your academic experience and be proactive in making suggestions and improvements to products and processes. You would need to present your ideas and proposals to the management team of the company with clear justifications.

Redbourn would support the student in finding accommodation in the area of Mildenhall.

In addition to the Erasmus funding, Redbourn would also make a financial contribution to help with accommodation, living costs and transportation.

This is a great opportunity for the right student to spend some time in the UK working in a busy company with lots of diversity and interest for a mechanical engineering student to join for 3 months.