

hiLyte Sàrl  
Neode  
Rue de la Maladière 71C  
2002 Neuchâtel



## Product Developer 100%

Internship proposal

### **The Company:**

In emerging countries, one billion people do not have access to electricity and spend up to 30% of their incomes to light up and charge their phones. Most of Sub-Saharan African people own a phone but need to go back to town to charge it.

hiLyte-Power develops an iron battery based on a model of consumables to replace regularly, that enables people to get light and charge a phone. It is the only solution that is both affordable, clean and safe, that produces electricity on demand.

### **Context:**

The technology is working and field test was already performed, there are still some issues that we need to tackle. The objective of this internship is to work with the product developer to use all the knowledge that we have about the technology and come out with a final prototype that solves all those issues. The intern will be very much helped and followed by an engineer who knows the topic.

### **Responsibilities:**

#### Help developing the Iron Battery

- Understand the whole technology behind the iron battery
- Determine the improvements needed and prioritize them
- Design and perform tests using different solutions to solve the challenges (different shapes, materials, techniques...)
- Measure the outputs of the tested device, and determine the best solution
- Use the 3D printer to perform your tests
- Make sure the device can last in time and bad storage conditions

### **Profile/education:**

- Bachelor or master student in Electro-engineering, Micro-engineering, Chemistry or similar with strong flair for electro-chemistry
- Good English skills (speaking and writing)
- Creative, proactive and willing to make a difference
- Flexible and able to work independently

**Time Period:** 2 to 6 months, starting as soon as possible

**Location:** Mass Challenge offices in Renens

**Contact:** Business developer: [briac.barthes@hilyte-power.com](mailto:briac.barthes@hilyte-power.com) Please don't forget to attach a CV ;) !

Looking forward to getting you on the team!