



WORK OFFER

Ref. No. CH-2020-000058

Employer Information

Employer: ionair AG
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Staldenhof 3a

6014 Luzern
Switzerland

Website:

Location of placement: Luzern
Nearest airport: Zürich
Working hours per week: 42.0
Working hours per day: 8.4

Number of employees: 13

Business or products: Air Quality Systems

Student Required

General Discipline: 14C-ELECTRICAL AND ELECTRONICS
ENGINEERING

Completed years of study: 2

Field of Study:

Student status requirements: none

Language required: German Good Or
English Good

Required Knowledge and Experiences:

German knowhow is a big advantage
Experience with LabVIEW is a plus.
basic understanding of chemistry

Other requirements:

only for student with EU/EFTA citizenship

Work Offered

Our company with its headquarters in Lucerne, Switzerland, delivers solutions for naturally fresh indoor air climate. Our Air Quality Systems are designed and engineered for implementation of new or reconstructed HVAC systems. We offer to a talented trainee a platform to carry out different research and development regarding the development of our newest generation of Air Quality Systems:

- Evaluation of new generation of gas sensors (VOC, CO₂, O₃ etc)
- Energy optimisation of ionization through current load measurement
- Evaluation of particulate matter on efficiency of ionization
- Evaluation of alternative ionization technologies

Research will be carried out mostly on independent basis with guidance from the supervisor. The Trainee should document the results in a final report which will be beneficial for the development of future products and will provide a deeper understanding of this technology. The trainee shall be a self-motivated and eager person with a basic understanding of chemistry and good understanding of electrical engineering (electrical hardware, firmware and electrical energy). The trainee should have experience in field research by mean of similar work experience or a diploma thesis.

The company offers a diverse work experience and a fantastic team spirit. A laboratory with required equipment for measurement, development and testing will be provided. As we are a small growing company the trainee can contribute a lot to future developments. In case of good performance an extension of the trainee programm is possible (only for EU passport holders) .

Number of weeks offered: 13 - 18

Within the months: 01-JUN-2020 - 09-NOV-2020

Or within: -

Company closed within: -

Working environment: Office work

Gross pay: 2500 CHF / Month

Deduction to be expected: approx. 10 % Social security AHV/IV

Payment method / time of first /
payment:

Latest possible start date:

Accommodation

Canteen at work: No

Expected type of accommodation: depends on availability

Accommodation will be arranged by: IAESTE LC Bern

Estimated cost of lodging: 750 CHF / Month

Estimated cost of living incl. lodging: 1600 CHF / Month

Additional Information

only for student with EU/EFTA citizenship

Nomination Information

Deadline for nomination: 15-MAR-2020

Date: 27-FEB-2020

On behalf of receiving country:

Sabine Lenz