



We are looking for you!

## Usage of hydrogen to mitigate blast furnace CO<sub>2</sub> emissions

Internship / Bachelor thesis / Master thesis

Are you interested in taking the engineering challenges towards a greener environment? Are you enthusiastic to work in a dynamic team of engineers to develop new solutions toward less CO<sub>2</sub> emission? Take this opportunity to leverage skills and talent. Inspire us with your professionalism, precision and your pragmatic approach to perform the following tasks with focus on application of hydrogen in the blast furnace:

- Studying the hydrogen impact on the reaction behaviour of ferrous burden and coke
- Analysing the contribution of individual reactions in case of high H<sub>2</sub> content in the blast furnace
- Estimating the impact on CO<sub>2</sub> emissions for the injection of different hydrogenous gases.

### What do we expect?

- Bachelor or Master studies with a specialization in Metallurgical or Chemical Engineering
- Strong interest in blast furnace iron making process
- Good knowledge of thermodynamics and chemical reactions
- High degree of initiative and responsibility and willingness to fully invest in the assigned projects
- Ability to work in a professional and independent manner and to quickly integrate in a dynamic multinational and multicultural team
- Fluent in English, any additional language is an advantage.

If you are you a teamplayer with good communication and critical thinking skills, if you can perform passionately while working independently, this could be the place for you!

Paul Wurth group is an international engineering company driven by innovation. Our experience is based on a tradition of 150 years and the professional know-how of 1600 employees, located in around 20 countries worldwide. As global leader in ironmaking technologies, we constantly face new challenges that force us to manage an on-going cycle of innovation. We thus take an active role in shaping the industry of tomorrow.

*Join us in conquering new challenges and be part of our Paul Wurth team!*



Please apply online:  
<https://careers.paulwurth.com>

