We are looking for you as intern (m/f) in the field of

Dry reforming energy efficiency

Master Thesis 6 months

In the frame of the CO_2 emission reduction requirements for the steel industry, Paul Wurth is developing the dry reforming of coke oven gas and/or natural gas together with the blast furnace top gas.
This technology can allow reducing the CO_2 emissions from the steel plant in a stepwise approach to up to 40%.

Your challenge

Calculation models for:

- Overall heat recovery flow sheet
- Heat exchangers flame temperature
- Pressure drop calculation
- Individual process parameters of the compressors / blowers
- Energy calculations

Technical documents at conceptual level including

- PIDs, layout, equipment arrangement
- Functional and process description
- Equipment specifications
- Automatic bill of quantity
- Supplier evaluations

Commercial documents including:

- Supplier quotations
- Cost estimation sheet

Elaboration of intermediate and the final report as well as regular presentations of the work progress.

What do we expect from you?

- You are currently pursuing a Master with a specialization in process or chemical engineering
- Technical knowledge with respect to heat and mass balances
- High degree of initiative and responsibility and willingness to fully invest yourself in the assigned projects
- Interaction with our purchasing department and colleagues from the relevant technical areas of Paul Wurth as well as with suppliers
- Fluent in English; German or/and French are considered as an asset.

Paul Wurth group is an international engineering company driven by innovation. Our experience is based on a tradition of almost 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.

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

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

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www.paulwurth.com