

Intern Competitive Analysis Hydrogen (gn) 100% for 6 months



In this role, you will support the R&D Hydrogen Team in hydrogen production and coating technologies for hydrogen applications 100% for 6 months to start upon agreement.

Your Responsibilities

- You will do literature and internet research on competitive technologies to water electrolysis to produce hydrogen, such as: plasma pyrolysis, solar pyrolysis, oxidative steam reforming of biogas, etc.
- You will extend the research conducting interviews on coating technologies relevant for water electrolysis, such as: EP (Electro plating), PVD, CVD, thermal spray, screen printing, tape casting, ALD, etc.
- You will analyze pros, cons, prerequisites, boundary conditions for each of the technologies with respect to hydrogen production and to coatings for water electrolysis
- You will do a compilation of LCOH (levelized cost of hydrogen) as well as of the projected coating cost (CHF/m²) for the current year and for the next 5-10 years
- You will create a portfolio visualization of all technologies including water electrolysis and all coating technologies

Your profile

- You are currently in a bachelor's or master's degree in process engineering, physics, chemistry, material sciences, life science or similar (a valid matriculation is required)
- Distinct flair and interest for process technologies
- Good knowledge of the English language; German skills is a plus
- Strong skills to structure complex data easy to understand
- Result oriented, communicative, strong team player

What we offer

- International work environment in a very supportive-learning culture
- Exciting and varied tasks within a very professional team
- Opportunity to bring your own perspective and to learn from the experts
- Subsidized menu in the staff restaurant, free parking and sport club

Interested? Please apply online via the following button or this QR code:

Apply



Contact Name: Hortensia Urquijo
Tel: +423 388 6134
www.oerlikon.com/career



Oerlikon is a global technology group with a clear mission: to become the leading provider of surface solutions, advanced materials and materials processing.

A leading global technology and engineering Group, headquartered in Pfäffikon, Switzerland, Oerlikon operates its business in two Divisions – Surface Solutions and Polymer Processing Solutions – and has a global footprint of more than 11 800 employees at 207 locations in 38 countries. In 2021, Oerlikon generated CHF 2.6 billion in sales and invested CHF 105 million in R&D.