

Senior Process Engineer for P2X Consulting

We are seeking an experienced and knowledgeable Senior Process Engineer to join our Technical & Design team within Power-to-X (P2X) Consulting. Your technical expertise will play a vital role in driving innovation, improving operational efficiency, and contributing to the commercial success of projects within the P2X industry.

Trusted Advisors for some of the Largest Infrastructure Investors

At PEAX Energy (part of the PEAK Wind Group), we are driven by the ambition to support global decarbonization by replacing outdated energy sources with sustainable solutions. We take pride in delivering best-in-class consultancy, specializing in technical, commercial, and financial services for P2X projects. We enable the development and delivery of complex P2X infrastructure by bridging the renewable and process industries. Our technical advisors help define the concept, our project services ensure DEVEX control, and our commercial team mitigates major risks, while our operational experts manage both renewable and P2X assets. We are proud to collaborate with some of the world's largest infrastructure investors.

Job Content, Responsibilities & Possibilities

Based in either our London (UK) or Copenhagen (Denmark) office, you will contribute to the design, development, and optimization of P2X plants, processes, and technologies. Your work will focus on technical excellence, innovation, and sustainability.

Key Responsibilities:

- Design and optimize P2X processes, including process simulations, engineering calculations, and technical deliverables.
- Conduct techno-economic evaluations of proposed P2X facilities.
- Review and assess vendor and technology licensor documentation for suitability.
- Identify relevant local, national, and international engineering codes, standards, and regulations based on project technology and location.
- Develop preliminary control and instrumentation schemes.
- Participate in safety studies (e.g., HAZID/HAZOP) as the process subject matter expert.
- Engage with internal and external stakeholders to communicate engineering outcomes and promote knowledge sharing.
- Contribute to and potentially lead innovation initiatives.
- Coordinate with junior engineers to ensure timely, high-quality, and budget-conscious project delivery.

What You Bring – Skills & Qualifications

We are looking for a technically strong and motivated Senior Process Engineer who is passionate about sustainable technologies.

You ideally bring:

- A Bachelor's or Master's degree in Chemical Engineering or a related field.
- 10+ years of process engineering experience - ideally within P2X or related sectors such as hydrogen, ammonia, or methanol.
- Experience with technology licensors or OEMs (preferred).
- Familiarity with electrolysis technologies (a plus).
- Strong background in process design, optimization, and scale-up.
- Proficiency in simulation tools such as Aspen Plus, HYSYS, or similar.
- Experience leading complex, cross-functional engineering projects.
- Solid knowledge of thermodynamics, chemical reactions, and process control.
- Sharp analytical skills and attention to detail.
- A strong record of successful project execution.
- Willingness to travel and collaborate closely with clients and global project teams.

Experience the Highest Degree of Involvement

At PEAX Energy, we cultivate a diverse and inclusive work environment shaped by our core values: Expertise, Passion, Unity, and Integrity. You will not only apply your skills to cutting-edge projects

but also make a meaningful contribution to the development of the global P2X industry. This role offers high involvement, broad responsibility, and the chance to work alongside some of the most forward-thinking professionals in the renewable sector. You'll gain global exposure through our international client base and project portfolio, all within an entrepreneurial culture focused on collaboration and innovation.

Interested and want to know more?

If you have any questions or want to know more about the position, please contact People & Development via recruitment@peak-wind.com. We look forward to receiving your applications & CVs as soon as possible, **latest by June 22nd, 2025**. Please apply through 'Apply' at the bottom of the page. Applications will be assessed on an ongoing basis.

PEAX Energy is dedicated to fostering a work environment that values diversity. We encourage all interested candidates to apply, regardless of age, race, gender identity, sexual orientation, disability, religion, or ethnicity.