

Your Internship in Energy Systems Simulation & Consulting

Your Internship Tasks

During your internship, you will support the development and advancement of our energy system simulation suite. This tool depicts Power-to-X (P2X) plants, energy storage solutions, and hydrogen transport infrastructure. Your tasks will include:

- › **Modeling and simulating physical components and processes along the energy conversion and transport chain in a digital twin environment**
- › Supporting the integration of power components (e.g. Grid, BESS), CO₂ emissions, cost features
- › Methods for automated techno-economic evaluation and sensitivity calculation
- › Gaining insights into software development in the context of energy systems and sustainability
- › **Contributing to real-world technical consulting activities and daily project work**
- › Actively engaging with the P3 student community and participating in internal events

We could be a perfect fit if you...

- › enjoy coding and are confident working with Python and Git
- › study a technical subject, ideally with a focus on computer science, energy systems or related fields
- › have research and data analysis skills
- › are proactive, able to work independently, and thrive in a team environment
- › are fluent in English (German skills are a plus)
- › are available for at least 3 months
- › have completed at least your first year of studies
- › Additional desirable skills include:
 - › Database management
 - › Communication protocols
 - › APIs
 - › Initial exposure to backend or frontend development
 - › Background in control theory or optimal control problems

Who we are

P3 energy solutions is a consulting company focused on hydrogen, Power-to-X technologies, and modern energy infrastructure and storage systems. We support companies in turning complex energy ideas into real-world solutions — from early-stage concepts all the way to implementation.

Our projects combine deep technical know-how, strategic thinking and operational excellence. Whether it's simulating energy systems, designing future-proof power grids, or analyzing sector coupling opportunities — our work helps shape the future of energy.

At P3 energy solutions, you'll gain exposure to real industrial challenges and work closely with experienced consultants, engineers, and developers. We collaborate with both national and international companies and partner with universities in research projects — giving you the chance to apply your knowledge in both practical and innovative contexts.

What we offer you

- › **Flexible working setup:** hybrid, fully remote, or on-site at one of our offices
- › **Great and supportive colleagues :)**
- › A well-compensated, paid internship
- › Being part of a modern and international team
- › Flexible working hours
- › Office catering when on-site
- › **Networking opportunities and team events**
- › Direct insight into real industrial and consulting projects
- › **Potential to continue with us through a thesis or working student position**

Your contact

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If you're excited about working at the intersection of technology and energy and want to grow your skills in a fast-paced, collaborative environment, we'd love to hear from you.

Apply via our Job Portal: [Link](#) OR write us an email including your CV and availabilities.

