



Power System Stability Strategist

Keeping the Netherlands powered, that's our mission! As a **Power System Stability Strategist**, you play a key role in ensuring the electricity grid is future-proof. Together with your team, you develop innovative solutions that help ensure a stable and sustainable energy system.

- There is no official closing date for this vacancy. We will close it once we have found the right candidate. Therefore, we encourage you to apply as soon as possible

Your contribution to TenneT

You are responsible for strengthening and modernizing the electricity grid to ensure the Netherlands continues to have reliable and sustainable energy. You join the System Integrity team, consisting of over 20 colleagues who work together to maintain a stable power system, which is essential for a stable and sustainable energy supply. Our team fosters an open and multicultural work environment where innovation and collaboration are central.

In this role, you develop and maintain dynamic grid models, tools, and analysis methods. You perform quantitative analyses of TenneT's transmission system in the context of the European energy transition. Your work focuses on predicting future system behavior, especially regarding decreasing inertia and system strength, and the integration of power electronics-interfaced generation, power-to-gas, power-to-heat, batteries, and other storage systems.

Additionally, you are responsible for:

- Ensuring that grid users contribute to a stable power system by performing verification activities to ensure compliance with connection codes.
- Identifying mitigation measures to enhance stability based on both internal and external analyses.
- Supporting the development of policies related to power system stability.

Your profile and background

At TenneT, we are looking for professionals who are eager to shape the future of the electricity grid. We value individuals who bring the right mix of experience and expertise to strengthen our team and advance our mission.

Your profile:

- You have a strong background in power system stability, ideally with hands-on experience in modeling electrical transmission networks.
- You are skilled in using simulation tools such as PowerFactory, PSSE, Python, and MATLAB to carry out power flow and RMS-

Additional information

What we offer

- A permanent contract for 40 hours per week, including a probation period of two months
- A gross monthly salary ranging from €4,675 to €9,196 (based on 40 hours), plus 8% holiday allowance, a 6% year-end bonus and a 70% pension contribution
- 43 days of paid leave annually (based on a full-time contract)
- Hybrid working arrangements, along with a monthly internet allowance of €32.50 and a home office reimbursement
- Support for your well-being, including contributions toward a gym membership and health insurance
- Development opportunities through the TenneT Academy, giving you the chance to continuously expand your knowledge and skills

Apply now and join our team

You can apply within seconds using our online application form. Once we receive your application, we will review it and get back to you as soon as possible. The selection process consists of two interviews. A security screening is also part of the procedure.

Please note: if you can no longer apply via the website, it means the vacancy has been (temporarily) closed. Applications are only accepted via the website, not by email.

Questions about the role?

We recommend submitting your application right away and including any questions you may have in your cover letter. This ensures your application is received on time and avoids the risk of missing out if the vacancy closes earlier than expected. If you have urgent or very specific questions that you need answered before applying, feel free to contact the hiring manager directly. Contact details of the hiring manager:

Roald de Graaff
Lead System Integrity
roald.de.graaff@tennet.eu

Questions about the recruitment process?

You can contact:
Shannon Martina
Corporate Recruiter
06 41 86 52 58

type analyses.

- You hold an academic degree in Electrical Engineering or a comparable qualification, and are comfortable operating at a university-level standard of thinking and working.
- You are capable of producing high-quality reports and represent TenneT's interests in both national and international working groups and research programs.
- You work independently, show initiative, and thrive in a collaborative team environment. You also possess excellent communication skills and a strong command of English.
- You foster open and constructive communication, engage proactively with colleagues, and are able to persuade others through clear, well-reasoned arguments.

This will be our challenge

Energy System Planning is a future-oriented unit, optimized to react to fast-changing external conditions. We develop a vision for a climate-neutral energy system of the future and how our onshore/offshore electricity system can adapt to these challenges in the smartest way.

AI and more about TenneT

Since we use AI as part of our recruiting process, we would like to create transparency and clarity at this point. The AI serves exclusively as a supporting and recommending tool to make our processes even faster and more efficient. At no time are automated decisions made.

TenneT is a leading European grid operator. We are committed to providing a secure and reliable supply of electricity 24 hours a day, 365 days a year, while helping to drive the energy transition in our pursuit of a brighter energy future – more sustainable, reliable and affordable than ever before. In our role as the first cross-border Transmission System Operator (TSO) we design, build, maintain and operate over 25,000 kilometres of high-voltage electricity grid in the Netherlands and large parts of Germany, and facilitate the European energy market through our 17 interconnectors to neighbouring countries. We are one of the largest investors in national and international onshore and offshore electricity grids, with a turnover of EUR 9.2 billion and a total asset value of EUR 45 billion. Every day our 8,300 employees take ownership, show courage and make and maintain connections to ensure that the supply and demand of electricity is balanced for over 43 million people.

Lighting the way ahead together

<https://careers.tennet.eu/careers/JobDetail/94652>

Recruitment agencies are kindly requested not to contact us regarding this vacancy.

Our offer



We are family friendly and flexible



Health - your basis



Modern working environment



Attractive remuneration and social benefits



Personal development

Our recruiting process

You can apply in just a few seconds using our online application form. Once we receive your application, we will review it and get back to you as soon as possible. The selection process includes two interview rounds.