

Power Quality Strategist

TenneT is growing fast to realize its strategic ambitions. We play a leading role in driving the energy transition. We are looking for a passionate **Power Quality Strategist** at our location in **Arnhem** who will contribute to this and that might be you?

Your contribution to TenneT

Energy System Planning (ESP) is a future-oriented unit, optimized to react to fast-changing external conditions. We develop a robust 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.

Due to the energy transition the generation technology mix changes drastically and society asks for increased loading and increased undergrounding of our infrastructure. This introduces power quality issues that were irrelevant before, and can at times bring the operation of our infrastructure closer to power quality compatibility levels.

At ESP we are responsible for power quality policies, adequate connection requirements and to ensure that grid users' installations comply with these rules. We are responsible to report measured power quality levels to our regulator and analyse and mitigate any occurring limit exceedances.

Your tasks and responsibilities:

- Perform compliance projects and system studies;
- Understand and improve the tools that we use in the studies;
- Contribute to the national implementation of the new EU grid connection codes;
- Participate in ENTSO-e or national working groups, standards committees.

Your profile and background

- Master or PhD in Electrical Engineering is required;
- A minimum of 5 years' relevant engineering experience in a practical environment on the topics mentioned;
- Understanding of the electrical properties of the national electricity transmission system and the interaction with other connected electrical systems.
- Proven experience with required calculations in Power Factory, PSCAD, and/or other simulation tools on these topics. Experience/skills in Python is a pre.
- Having a critical eye on input, ability to challenge team members and stakeholders;
- Excellent inter-personal skills with the ability to build relationships;
- Excellent knowledge of the English language, speaking Dutch is a pre.

This will be our challenge

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Additional information

- The weekly working time is 40 hours;
- The position is indefinite;
- Job interviews for this position will be (partly) in English. Please send us your application document in English as well, included a motivation letter.

Our offer



We are family friendly and flexible



Health - your basis



Modern working environment



Attractive remuneration and social benefits



Personal development

Our recruiting process

In our online-application-form you can apply within only some minutes as long as this job is posted. Afterwards we screen your application and get back to you as soon as possible. Our selection process consists of two interviews and an assessment.

For further questions regarding the recruiting process please contact:

Danijel Miletic
People | Talent Acquisition
06-41182116

For questions relating to the position please contact the hiring manager:

Roald de Graaff | Lead ESP-GP-EHV
Roald.de.Graaff@tennet.eu

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/86881>