



## Grid 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 **Grid Strategist** at our location in **Arnhem** who will contribute to this and that might be you?

### Your contribution to TenneT

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.

In this challenging role you will be responsible for grid planning aspects of the EHV grid (220/380kV, onshore grid/offshore & interconnectors) and system behaviour of the future, especially with respect to:

- Power flow and contingency analyses in a more and more stressed system;
- Development of calculation methodologies and tooling;
- Intelligent grid planning concepts in the light of Sector coupling (e.g. Power-to-gas, power-to-heat, etc.);
- Development of grid planning standards and policies;
- Power system stability due to decreasing inertia and fault levels due to the phase out of conventional generation;
- Power electronics integration due to the increase in renewables;

You will contribute to network development plans and network expansion projects in the Dutch transmission system and you will participate on behalf of TenneT in national and international working groups and study programs.

### Your profile and background

- A relevant university degree, preferably in Electrical Power Engineering, Applied Physics or Mathematics and you have become acquainted with the modelling of electrical networks, especially in the requested field of expertise;
- Able to manage uncertainties, you can develop frameworks to estimate them, test these frameworks in discussions with others and then make well-founded statements about future expectations;
- Skilled in handling computer models and have gained experience in using large amounts of data and tooling (e.g. PSS/E, PowerFactory, Matlab, Python);
- Proven knowledge of the transmission system and you have experience in conducting power system studies;

### 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;
- Salary for this position is in grade 8 with a salary between **€ 3879,- and € 7660,-** gross per month based on a fulltime agreement (40 hours per week).

### Our offer



### 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.

For further questions regarding the recruiting process please contact:  
Danijel Miletic  
People | Talent Acquisition  
06 - 41 18 21 66

For questions relating to the position please contact the hiring manager:  
Daimy Abdoelkariem | Lead ESP-GP-EHV  
Daimy.Abdoelkariem@tennet.eu

- Proven knowledge and experience in performing power flow and RMS-type calculations;
- Open style of communication, actively discuss with your colleagues and know how to convince others with arguments;
- You are proactive, show initiative and you dare to explore new ways;
- Excellent writing skills in both Dutch and English.

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.

TenneT is an equal opportunity employer for ALL and is fully committed to the principles of equal employment opportunity to ensure that all applicants and employees are considered for recruitment, promotion and employment regardless of their ethnic origin, skin colour, religion or belief, gender, national origin, age, disability, sexual identity, marital/family status.

### **Lighting the way ahead together**

<https://careers.tennet.eu/careers/JobDetail/83024>