



## Technical Specialist Automation - Integration and Commissioning

TenneT is growing fast to realize its strategic ambitions. TenneT is Europe's first cross border grid operator for electricity. With approximately 21,000 kilometers of extra high voltage lines and 36 million end users in the Netherlands and Germany we rank among the top five grid operators in Europe. Our focus is to develop a north west European energy market and to integrate renewable energy. Taking power further.

We play a leading role in driving the energy transition. We are looking for a passionate Technical Specialist Automation at our location Maasvlakte / Arnhem who will contribute to this and that might be you?

### Your contribution to TenneT

As Technical Specialist Automation you are primarily focused on the onshore converter station at Maasvlakte. The converter station comprises HVDC equipment as well as auxiliary systems. You will be responsible for the engineering and commissioning of the automation systems. You act as the technical specialist for auxiliary automation systems and support the engineering, integration, testing and commissioning activities within the project. You provide technical expertise, review contractor deliverables, identify risks and deviations, and support the Sub Project Lead Automation in achieving the project objectives. Y

Your role is strongly hands on. You ensure that systems are fully integrated, correctly tested and operationally ready. You work closely with contractors, system integrators and TenneT operational stakeholders and report to the Sub Project Lead Automation

#### Scope and systems

Your technical scope includes:

- DCS and station automation systems for onshore HV substations.
- Control and monitoring of HV equipment and auxiliaries.
- Building Management Systems including HVA/C, Power Supply, Fire Detection and access control interfaces.
- SCADA and remote control integration with TenneT control centre.
- Industrial communication networks such as Profinet, IEC61850, IEC 104 etc. and redundancy concepts.
- Time synchronization and system availability concepts.
- Cybersecurity interfaces and access management.

#### Tasks and responsibilities

- Act as technical specialist for commissioning of the automation systems
- Verify testing and commissioning plans of contractors; ITPs, ITRs and CTPs
- Witness routine tests, Factory Acceptance Tests (FAT), and Site Acceptance Tests (SAT) for various auxiliary systems and SCADA

### Additional information

TenneT gives you the opportunity to contribute to a sustainable energy future. Together with colleagues, partners, and stakeholders, you work on innovative solutions that enable the energy transition. You'll have room to develop your talents in an environment where your growth is a priority.

We offer you:

- A undetermined contract or year contract with the possibility of extension based on 40 hours per week.
- A salary in scale 8: €4,276 to €8,443 per month (based on a 40-hour work week), excluding 8% holiday allowance, 6% year-end bonus and a flexbonus. Bandwith salary scale is based on education, experience, knowledge and internal equity.
- A solid pension through ABP, with 70% of the premium paid by us.
- 43 vacation days per year
- Hybrid working, including an internet allowance of €32.50 and a home-office allowance.
- Travel allowance: commuting allowance of €0,23 p/km nett and business of €0,44 p/km gross.

#### Flexible Conditions

We value a healthy work-life balance and your personal development. That's why we offer flexible benefits such as:

Support for your vitality, with contributions towards a gym membership and health insurance.

Development opportunities through the TenneT Academy, so you can continue to expand your knowledge and skills.

The position may gets unpublished earlier, so don't hesitate to apply!

### Our offer

systems, ensuring quality control during the execution phase.

- Analyse test results, identify deviations and open points and drive corrective actions with contractors and vendors
- Support the verification of integration between DCS, station automation, HV equipment and building related systems and identify technical issues and risks.
- Troubleshoot complex DCS, network and system integration issues during commissioning
- Verify redundancy, fail safe behaviour and system availability under fault conditions
- Support verification that automation systems meet operational requirements and provide technical input for handover to Operations.
- Support as built documentation, operational procedures and training input
- Contribute to commissioning planning, risk assessments and interface coordination
- Apply lessons learned to improve testing and commissioning efficiency across projects

## Your profile and background

- Bachelor or Master degree in Electrical Engineering, Automation or comparable
- Minimum five years of hands-on experience with DCS and automation systems in HV substations, power plants or large industrial facilities
- Thorough knowledge of the principles of DCS systems and PLC controlled auxiliaries and their integration with a SCADA system
- Experience with commissioning of auxiliary systems and knowledge of the lifecycle of commissioning from field instrumentation to HMI
- Proven experience with FAT, SAT and site commissioning in brownfield and greenfield environments
- Solid understanding of HV substation systems and building related automation
- Experience with integration of systems such as HVA/C, fire detection and access control
- Capable to coordinate on the technical level between internal stakeholders (e.g. System Operations, Asset Management, Operations and Maintenance) and external stakeholders.
- Familiarity with IEC 62443 standards an advantage however not required
- Comfortable working in commissioning and start up environments
- Willing to work at converter station Maasvlakte 3-4 days per week and 1 day per week in Arnhem
- English, both verbally and in writing and Dutch fluent or basic skills.

## This will be our challenge

Offshore is responsible for the development, construction, and management of the offshore electricity grid. With the North Sea as the green engine of the energy transition, Offshore plays a clear and vital role within TenneT's organisational structure.

The Offshore division manages the entire lifecycle of all TenneT offshore installations, from development and realisation to maintenance and handover to the Operate division. A crucial task is the construction of 2 GW offshore 'sockets', which collect and transport generated wind energy to the mainland.



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 2 interviews.

**For further questions regarding the recruiting process please contact:**

Harold Post  
People | Talent Acquisition  
harold.post@tennet.eu

**For questions relating to the position:**

Wilco Sturm  
Manager Engineering I Integration & Commissioning  
wilco.sturm@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.

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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/115120>