



## Internship reinforce and redesign of the grid within the city of Amsterdam

As part of the energy transition, the network in the municipality of Amsterdam will also be reinforced and redesigned in the coming decade. This entails a large-scale expansion of the 150kV network for TenneT over the next 10 years, with an expected capacity growth from 880MVA to 4200MVA in the highest scenario. This means specifically multiple 150 kV stations (new and replacement) and 150kV grid connections will be realized. This is a complex task in a city with limited space and challenging decision-making processes.

### Your contribution to TenneT

Throughout this assignment, you will be part of the team responsible for implementing various projects within the city of Amsterdam on a daily basis. Within this team, you will fulfill various roles. Additionally, you will contribute to establishing a blueprint of this approach within TenneT. With this blueprint, TenneT aims to execute future urban adaptations as efficiently and effectively as possible using the same approach.

#### Tasks and Responsibilities:

1st half-year (3rd year internship):

- Mapping the current situation -> As-Is situation
- Writing a plan of approach outlining the current programmatic approach within the organization;
- Analysis of the programmatic approach as developed within TenneT through the use of various research methods;
- Description of the current situations and recommendations for possible improvement.

2nd half-year (graduation assignment):

- Providing advice on how it should be -> To-Be situation
- Further elaboration of the advice/recommendations from the 1st half-year;
- Developing a program blueprint for urban adaptations within TenneT.

### Your profile and background

- You are pursuing a relevant study in the field of (Technical) Business Administration or Engineering (such as Civil Engineering).
- You possess strong analytical skills, are results-oriented, and work with precision.
- You are eager to learn, inquisitive, and take a proactive approach to tasks.
- Affinity with technology is a plus.

### This will be our challenge

Within TenneT, the Grid Field Operations Netherlands (GFO-N) unit is responsible for expanding, maintaining, and preserving the high-voltage grid of the Netherlands. The XP department, which is responsible for

### Additional information

The internship is for 32 to 40 hours per week.

The duration and start date are to be determined in consultation.

### Our offer



We are family friendly and flexible



Health - your basis



Modern working environment



Attractive remuneration and social benefits



Personal development

### Our recruiting process

Through our application form, you can respond within seconds.

Once we receive your application, we will screen it and contact you as soon as possible.

For further questions, you can reach us at [student@tennet.eu](mailto:student@tennet.eu).

realizing projects closely related to external service providers, is preparing for this task. Normally, stations and connections are executed and commissioned as separate, fairly straightforward projects. With the task in Amsterdam, simplicity is no longer the case. Therefore, a Program Group Amsterdam (PGA) is being formed to consider the projects in conjunction and to work at a tactical level on integrated solutions that accelerate the major task and benefit the individual projects. Alliander has also recognized this necessity and is organizing itself in a similar manner.

TenneT is a leading European grid operator committed to a secure and reliable electricity supply - 24 hours a day, 365 days a year. We are shaping the energy transition for a sustainable energy future. As the first cross-border transmission system operator, we plan, build and operate an almost 24,500 kilometres long high and extra-high voltage grid in the Netherlands and Germany and are one of the largest investors in national and international electricity grids, on land and at sea. Every day, our 6,600 employees give their best and ensure with responsibility, courage and networking that more than 42 million end consumers can rely on a stable electricity supply.

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

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