



**COULD YOU  
MAKE A  
GREAT TEAM  
EVEN BETTER?**



## **Production Optimizer | Shell Technical IT Assessed Internships**

**Location: Assen, the Netherlands**

### **Summary**

Are you looking for an exciting IT internship opportunity in an international organisation? Do you want to join one of the largest IT teams in the world? An Assessed Internship is an excellent way to get to know Shell from the inside and get to know the energy industry. It can also help you decide what career is right for you. You'll have full day-to-day involvement in actual projects, selected to match your IT interests and abilities.

### **The placement**

You will work as a Production Optimizer in the NAM Schoonebeek operations. The NAM Schoonebeek operation produces oil from about 40+ wells, and all of them have a different set of production parameters (maximum production, sulphur content, water content, etc). In addition to limitation in terms of water injection, scavenger injection, sulphur production, breaks in the production line and production water disposal. The Schoonebeek production team has daily calls to optimize the production of all these wells, and you will be part of this team!

You will find yourself working in a small team of business and IT folks using Design Thinking and Agile methodology. Expect lots of support and encouragement while you're here. We value career growth, therefore, we can provide you internal trainings where needed.

As a Production Optimizer intern, we will be looking to you to:

- Optimize production with non-linear constraints for Schoonebeek oil field.
- Use big data from production and discrete data to create models that predict (H<sub>2</sub>S, Water, etc).

- Reduce meeting time to half using advanced knowledge technologies.

Furthermore, in this project, you will contribute towards a cleaner energy solution. The optimization production of Schoonebeek's oil wells will reduce waste and environmental impact of the operation. The knowledge obtained can be used by other Shell operations to further optimize their production patterns.

### **What we look for**

- You are enrolled in a Dutch University
- You are pursuing a Master's Degree programme related to IT, e.g. Computer Science, Data Science, Mathematics, Computer Technology studies, AI, Big Data or another technical degree with an affinity for IT, demonstrated through your resume.
- You are available for 6-9 months
- You are available for at least 4 days a week
- Knowledge of either non-linear optimization, artificial intelligence, knowledge management, data engineering, data science or text analysis can be helpful (one of the above!)

### **What we offer you**

- A real project with a significant level of business impact
- An internship that can be combined with master thesis research next to working on a Shell Project
- When successful in the Assessed Internship it could result in you being offered a full-time role in our Graduate Programme.

### **Next step: The Shell Graduate Programme**

The Shell Graduate Programme is an industry-leading three-year learning programme, which offers real responsibility, engaging challenges, and continued professional development.

There's never been a more exciting time to be part of the energy industry. Start your career at Shell and immerse yourself in innovative projects to find economically, socially and environmentally responsible solutions to the world's energy needs. You'll be learning alongside brilliant people from all over the world, with the resources and support to explore new ways of thinking and working – all in all, an unbeatable experience.

### **Ready to apply?**

To secure an assessed internship position, please apply online through the ['Apply'](#) button. Select "IT" as the preferred area of interest.

When applying, you will be asked to complete the standard graduate online assessments. You'll be evaluated on your capacity for analysis, decision-making and creating workable solutions, as well as your drive, enthusiasm, resilience and confidence. To allow enough time to find the best place for you and your topic in our organisation it is recommended to start application 2-3 months before your intended start date.

Diversity and differences are seen as opportunities for enhancing Shell's performance, therefore showing genuine belief in and respect for people is considered key. We welcome people with a disability – please let us know if you need any assistance for your application.

### **Helping you prepare**

We want you to be at your best when completing the assessments, so here are some top tips and some additional background information that may help you. Ace your application prep by reviewing our [application tips](#).