



We are transforming the oil and gas industry – do you want to join us?

Welltec® is an international provider of services and solutions for the oil and gas industry. We design, manufacture, and operate a fleet of robotic equipment designed for the harsh environments posed by oil and gas wells. Our success is based on our ability to continuously create truly disruptive innovations to make the industry safer and more sustainable while achieving higher recovery.

We take you further

To support our continued transformation and growth we need engineers who are among the best in their field:

- Mechanical and Electronic Engineers to design and develop our solutions
- Field Engineers to deploy our services worldwide

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Welltec®



»Welltec pushes the limits for what is possible, and my PhD research allows us to push it even further«

Martijn Sebastiaan Duraij

I have a passion for powerful electronics

ADVERTISEMENT

As an Electronic Engineer and PhD Student at Welltec, 30-year-old Martijn Sebastiaan Duraij gets to push the limits for what high-performance electronics can do.

Martijn did his bachelor studies in the Netherlands and moved to Sweden for graduation. The Scandi lifestyle suited him so well that he decided to do his Master's degree in Copenhagen. During his studies in electrical and electronics engineering, the dream of doing a PhD came up.

»At first it did not work out, so I worked in the industry for a few years. In 2018, Welltec posted a job opening for a PhD position. I applied and got the job. My first task was to write the application to get the funding. I was able to shape the project myself, which was a dream come true. Within a year, we got the funding, and I could start my PhD,« he tells.

STATE-OF-THE-ART TECHNOLOGY

Welltec provides solutions that help the oil and gas industry maintain their wells. Since the electronics must work up to five kilometres below the ground, the technology is state-of-the-art. This appeals to Martijn: »I have always had

a passion for small, powerful, high-performance electronics. Welltec pushes the limits for what is possible, and my PhD research allows us to push it even further.«

Martijn is working on an electrical communications circuit for Welltec's maintenance tools. »It is important that the oil and gas pipes stay in a pristine condition. The tools are controlled from the surface, and if we can improve the connection, we can gather more data on what is happening below the ground. In that way, we can create safer oil and gas well sites, prevent damage to the environment and create a better flow from the wells,« he explains.

SOMEONE HAS YOUR BACK

Being halfway through his project, Martijn has created and tested the first prototype of the system. »Now I am taking all the lessons learned and using them to improve the next prototype,« he says and adds: »My PhD is more applied than academic. Welltec's engineering team has given me a lot of practical support. In general, we have a very relaxed atmosphere. People are open, and you feel like part of the team. You know that someone has your back.«