▶ Bram Odrosslij

'Engineering is a team sport'

Engineering firm Nobleo Technology specializes in software, mechatronics and mechanical solutions in the key areas of autonomous solutions, intelligent embedded solutions and high-tech systems. Bram Odrosslij joined the company as an intern and never left. "Nobleo is a great place to work if you have broad interests," he says.

Nobleo Technology is focused on talent development. Its engineers work both in-house and at customer sites. They create prototypes and mechatronics solutions from concept to prototype, and design small-batch production systems. Nobleo's customers can be roughly divided into two groups. On the one hand, there are the major players such as ASML, Philips, Bosch and SKF – big OEMs who are looking to outsource some of their development activities – and on the other, there are the start-ups: companies that have a great idea but need a technology partner to help them realize it.

Embedded, autonomous and intelligent
Bram Odrosslij (25) did a new track within the Mechanical Engineering master's programme: AIES-W. "The master's was part of the Dynamics & Control group. About half of the modules I did were related to AI, the other half to mechanical engineering."

A tutor at TU/e first made Bram aware of the interesting opportunities at Nobleo in Eindhoven, and he ended up doing both his internship and his master's thesis at Nobleo. He even stayed on for several months after his internship to finish the project he'd started.

So when he completed his master's in October 2023, he had actually already been 'working' at Nobleo for more than two years. "As an intern, I worked on a cleaning robot. I'd immediately become fascinated by mobile robotics during the Mobile Robot Control module, and the tutor pointed me in Nobleo's direction. I continued to work on finishing the project after my internship, and then Nobleo offered me the opportunity to do my thesis on a combination of AI and robotics. This was interesting for both me and Nobleo as a way of staying in contact. At Nobleo, they place great importance on building a team of

people who can work well together with a strong team spirit. Even if you're all working on different projects, you're still a team. Nobleo has three departments: Autonomous Solutions, Intelligent Embedded Solutions and High Tech Systems. We share as much information as possible between those departments so that everyone knows who is doing what, and who could help out with a particular solution."

"For my master's graduation project, I focused on reinforcement learning (a type of machine learning) combined with navigation for mobile robots. Because my master's track was still so new, I worked closely with a colleague at Nobleo to decide on how to shape my graduation project. Nobleo was very supportive of me."
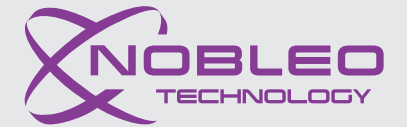
Team sport
Nowadays, Bram is working as a robotics engineer within an intelligence project. "There's a continuous check that everyone is in the right place, feels sufficiently challenged and has room for their own development. They take good care of you here. Nobleo is like a family; there's a strong team spirit, including outside of work. We currently have more than 100 people working here. There's a flat hierarchy, everyone is approachable and you can just be yourself. One thing I like about Nobleo is that the work is focused on the early stages of

development. You can get a taste of many different areas to find out what kind of engineer you really want to be, and you can gain experience in many domains. But needless to say, you also have the opportunity to become very specialized if you want."

"Nobleo is a great bunch of talented people. The focus is on further developing your existing talents, in a good atmosphere. I've also noticed that you're allowed to make mistakes. Everyone working here is enthusiastic, because the projects we work on are fun. I'm increasingly realizing here that engineering is a team sport. Engineering something properly takes so much time and effort that you can't do it alone. A complex product always requires teamwork. And I think that's one of Nobleo's strengths: a cohesive team of engineers."

Proud
"If you have broad interests, Nobleo is a great place to work because of all the aspects involved in developing a product from scratch. I'm also proud to work here, so I would definitely recommend Nobleo – especially because of the sense of team spirit you feel when developing something together, and the chance to get a taste of so many areas. If you really want to understand what a high-tech product entails from start to finish, then you should come here." ⊙