

Explore your career, exploit your talent

Nobleo Technology is an engineering firm specialized in software, mechatronics and mechanical solutions.

At Nobleo Technology, we are focused on autonomous intelligent systems. César Lopez explains why he finds working at Nobleo Technology so much more interesting than a permanent role within a manufacturing company.

Nobleo Technology has been focused on talent development right from the start. In the past, our engineers often worked on our customers' premises. A number of years ago, we started to increasingly become a solution provider for our clients. We create prototypes, mechatronics solutions from concept to prototype, and we design small batch-production systems.

Our customers can be divided into two groups. On the one hand, we work for major players – big OEM customers that want to outsource some of their development activities (e.g. ASML, Philips, Bosch, SKF, etc.) – and on the other hand we work with start-ups – mainly companies with a good idea who need a technology partner to help them turn it into reality. Frank Sperling, Technical Director, Nobleo Groep: "Many of those start-ups are involved in the development of autonomous vehicles. One example is the Waste Shark, a vessel that autonomously removes litter from the water. Nobleo Technology developed the electronics, the control system and all the software to enable the vessel to work autonomously. For another company we've been involved in developing cleaning robots to clean the insides of tanks for the petrochemical industry."

World Cup

César Lopez obtained his bachelor's degree at the University of Antioquia in Medellín, Colombia, and did his master's in systems &

control at TU Eindhoven in 2010. He then started working on his PhD in Maarten Steinbuch's Control Systems Technology group. "I spent four and a half years on my PhD; I was given the extra six months because I also joined the Tech United Robocup Team – our team of soccer robots – during my PhD period. Each year we participated in the Robocup, the world league for soccer robot teams, in the mid-size robot category to be precise. During my time in the team, we won the World Cup twice: in 2012 and 2014. And Eindhoven has won twice more since I've left: in 2016 and 2018."

Recommended for Nobleo

After his PhD, César was recommended to approach Nobleo. Recommended? "Yes, I was ready to get a job in the industry and Maarten Steinbuch told me that Nobleo could be a good fit for me. I'd already decided that a big company wouldn't be such a good place for me to work at that time because I didn't want to specialize in a specific department so soon. At the beginning of my career, I wanted to explore various fields instead. At a smaller company I expected to have more impact on the process; you get the idea that what you do is more meaningful. So consultancy at Nobleo seemed like a good idea for me."

"I started as a consultant at Nobleo Technology in 2015, a month after finishing my PhD. During the interview stage I'd already seen

how much emphasis Nobleo places on your career development and the importance of assigning the right people to the right projects. A good match is essential for the success of both the client and the employee. Both parties have to be completely satisfied about the partnership. If the match is not perfect, Nobleo finds you a different project."

"My first assignment was at a company in mechatronic systems for the high-tech industry. I worked on short projects, mainly six months at a time, relating to different engineering subjects. The client was very pleased and asked if I could come and work for them. That happens quite often in consultancy."

"Later I got the opportunity to do a post-doc project at TU/e. That was very tempting, but I also wanted to stay at Nobleo. But Nobleo was very receptive to my wishes and looked for a way to make it happen. I've now been working on that project as a consultant from Nobleo for the past two years. Together with two international universities, partner companies and a hospital in Frankfurt, I'm involved in the development of mobile robots for logistics in hospitals for two days a week. On the other three days I work at the TU/e spin-off EMR: Eindhoven Medical Robotics."

Nobleo: your best choice

César: "For me, working at Nobleo has a lot of advantages. You can explore your career



opportunities in the first few years, because you work in different fields, on different applications and with different clients. At the same time you have colleagues at Nobleo, whom you see on several occasions such as social or technical events. Every month we have the Nobleo Repair Café, where you can discuss your projects and ideas and any problems or questions, so your colleagues

can help you do your job better. We also have competence meetings with colleagues that work in the same field. All these meetings help to strengthen the bond between us and support knowledge exchange. We're consultants, but we're 'Nobleans' as well."

"And now we also have Nobleo Projects where we provide solutions, in-house, for our clients.

We work for big OEMs or start-ups to help them with specific solutions, and we work in mechatronics, robotics and software to develop autonomous intelligent systems. If you're interested in any of these fields and if you're keen to exploit your talent, Nobleo could be the best choice for you." ◻



Nobleo Technology needs graduates with a background in software, mechanics or construction. We are seeking experienced software designers, mechanical engineers, system developers and vision experts. Besides that, at Nobleo Technology we are keen to hear from talented students from any other fields. You are more than welcome to contact us if you have good organizational skills and enjoy working together in a team of enthusiastic colleagues to solve problems and deliver new projects. You'll find that we're a great place to work.

autonomous | intelligent | systems

We are an international team of engineers, with one shared mission... to use our technology to make the world a healthier and safer place.

We have harnessed our expertise in the science of controlling motion, combining fundamental and theoretical know-how with practical engineering into effective product development. We employ unique expertise in algorithms for sensing and signal processing, giving our intelligent systems remarkable performance.

Just like the solutions we develop, we are an intelligent, autonomous 'family' of thinkers who can work both independently and as part of a larger team. We are not content to sit still. We constantly challenge ourselves to push the boundaries of what is possible – and in the process we actively shape the future of our systems.

We offer this expertise to you. We want your products to run faster, more precisely and more autonomously. We want them to run by themselves.

Frank Sperling, Technological Director, Nobleo Technology
Rob Hendriks, Director, Nobleo Projects
Jelle van der Steen, Director, Nobleo Embedded