

# Case Study

How Tektronix provided Hanze Racing Division with the tools they needed to help students like Rianne Drijver build an electric formula student race car and broaden their engineering education.

## Driving Your Own Future as a Female Engineer Hanze Racing Division



### THE CUSTOMER CHALLENGE



Rianne Drijver is one of several up-and-coming female engineers studying sensor technology at the Hanze University of Applied Sciences in Groningen (Hanze UAS), Netherlands. Her passion and hard work

allowed her to join the university's honours programme, which gives her opportunities to dive deeper into electrical engineering and broaden both her knowledge and experience.

To help students like Rianne reach their potential as engineers, Hanze UAS has made an effort to supplement classroom and lecture experiences with a variety of hands-on projects. The Hanze Racing Division is a perfect example. Their goal is for students to build an electric formula student race car to compete in races with other universities. Since building a race car requires a variety of engineering skills and applications, the project brings together students from many different disciplines to collaborate on a large-scale goal.

The challenge is that this project requires reliable test and measurement tools so students can validate and troubleshoot their designs. Hanze Racing Division needed affordable, reliable, and cutting-edge equipment to make the hands-on project possible.

### THE SOLUTION

Tektronix provided Hanze Racing Division with a [TBS2000B oscilloscope](#), a [2230G](#) and [2260B](#) DC Power Supply, which are designed to combine precise, reliable performance with intuitive and accessible user interfaces. Students like Rianne learn to use the TBS2000B quickly and easily so they can spend less time with the testing learning curve and more time making progress on their project.

By collaborating with students from different engineering backgrounds and using the same kind of equipment she'll use after graduating, Rianne has gained invaluable experience that sets her up for success. Tektronix is proud to play a part in equipping engineers who are blazing new trails both in culture and technology.

“I just really like what I am doing with my life and as long as I like what I am doing I am motivated.”

Rianne Drijver, Sensor Technology Student at Hanze Racing Division of Applied Sciences



## PRODUCTS, SOFTWARE, AND SERVICES PROVIDED

Bench Configuration	
Product	Description
	<b>TBS2000B Digital Storage Oscilloscope</b> >> <a href="#">View On Tek.com</a> Affordable, reliable, high-accuracy signal measurements for today's embedded design, power supply measurement and power management analysis, education and classroom/lab instruction, and more.
	<b>2230G DC Power Supply</b> >> <a href="#">View On Tek.com</a> Three-channel programmable power supplies with up to 375 W of power in a space-saving 2U high, half-rack width enclosure to power automotive circuits, LED drivers, power supplies, power ICs, and other high-power circuits.
	<b>2260B DC Power Supply</b> >> <a href="#">View On Tek.com</a> Source a wide range of output voltages and currents for a variety of applications, including research and design, quality control, and production test.

To learn more about solutions for the education lab or this project, visit [tek.com/education](http://tek.com/education) or give our team a call at 00800 2255 4835.

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