

## Press release

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## Two hundred students tested their robot building and programming skills at the future technologies' competition

This year, Bosch has organized the international FIRST LEGO League finals for primary school pupils as well in Miskolc

- Bosch supports developers of future technologies even at primary school level
- Bosch has supported 13 schools with robots, laptops and by covering the entry fee
- Four school teams have qualified for the national finals

Every year, more and more students compete in the North Hungarian finals of the FIRST LEGO League robot building and programming world competition, which was organized for the third time this year by Robert Bosch Power Tool Kft. A total of 198 competitors from 17 schools in three categories and 28 teams took part in the competition. Not only 9-16-year-olds, but also 6-10-year-olds had the opportunity to test their skills. In addition, for the first time in Hungary, the FIRST TECH Challenge was organized on an experimental basis, where students competed together with their mentors. The teams built and programmed robots to perform various tasks and presented their innovative solution to a challenge that concerned them. Five hundred thousand young people from more than 100 countries around the world participate in the global competition. The same tasks are given to the competitors from all over the world, this year the theme was the underwater world.

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### **Real challenges in a playful way**

Young people competing in the FIRST LEGO League and FIRST TECH Challenge must solve real-world challenges in a playful way, while using their spirit of experimentation, creativity, critical thinking, collaboration and communication skills. The competition is judged not only on task performance, but also on the quality of teamwork and even good intentions.

“The popularity of the competition shows that young people are open to future solutions and understand, use and enjoy cutting-edge technologies. That's why we decided to organize the competition for primary school children as well, so we can start supporting their development as early as possible, helping them to acquire the skills they need to become active shapers of future technologies as adults,” said László Fükő, plant manager of Robert Bosch Power Tool Kft. in Miskolc. The FIRST LEGO League is not just about growing and competing, as good results in the competition can mean bonus points when applying for schools.

### **Four teams have reached the finals**

From Saturday's competition, S-Team (Földes Ferenc Gimnázium, Miskolc), BalatonGates (Alternatív Közgazdasági Gimnázium, Budapest), Submarines (Kazinczy Ferenc Általános Iskola, Miskolc), and Navigátor (Informatikai Klaszter, Miskolc) teams qualified for the Hungarian finals, which will be held in Zalaegerszeg at the end of February. Bosch is helping the qualifying teams to prepare for the competition by providing them with communication training on presentation techniques.

### **Bosch helped the teams prepare with robots, laptops and workshops**

The Bosch power tool plant in Miskolc not only organized the final but also supported 13 teams from the region. It covered the entry fee, the LEGO sets necessary for the competition and provided educational robots and laptops for programming to several institutions. Additionally a mentoring day was organized for the teachers who prepared the students. The regional final in Miskolc was open to the public, with the organizers offering a range of fun activities, including DIY projects, and the little ones could play with Duplo toys while the big ones could make their own creations with LEGO Technic sets.

### **About Robert Bosch Power Tool Kft.**

Robert Bosch Power Tool Elektromos Szerszámgyártó Kft. was founded in Miskolc in November 2001 and the plant is now a key player not only within the group but also in the region. With more than 3,700 employees, the company develops power tools and garden tools, manufactures professional power tools and woodworking tools, and assembles their batteries and eBike batteries. The company is one of the leading employers in the region and a strategic partner for many small and medium-sized enterprises in Hungary. Thanks to Bosch's outstanding, future-shaping innovations, the projects carried out here are also helping the development of the region.

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## Basic information:

Bosch has been present in Hungary since 1898 with its products. After its re-establishment as a regional trading company in 1991, Bosch has grown into one of Hungary's largest foreign industrial employers with currently eight subsidiaries. In fiscal 2023 it had total net sales of 2.207 billion forints and consolidated sales to third parties on the Hungarian market of 343 billion forints. The Bosch Group in Hungary employs more than 18,300 associates (as of December 31, 2023). In addition to its manufacturing, commercial and development business, Bosch has a network of sales and service operations that covers the entire country.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 417,900 associates worldwide (as of December 31, 2024). According to preliminary figures, the company generated sales of 90.5 billion euros in 2024. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. With its business activities, the company aims to use technology to help shape universal trends such as automation, electrification, digitalization, connectivity, and an orientation to sustainability. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in sensor technology, software, and services to offer customers cross-domain solutions from a single source. It also applies its expertise in connectivity and artificial intelligence in order to develop and manufacture user-friendly, sustainable products. With technology that is "Invented for life," Bosch wants to help improve quality of life and conserve natural resources. The Bosch Group comprises Robert Bosch GmbH and its roughly 470 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. Bosch's innovative strength is key to the company's further development. At 136 locations across the globe, Bosch employs some 86,900 associates in research and development, of which nearly 48,000 are software engineers.

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