

# Sajtóközlemény

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Eger, 28.03.2018

## **Only two months left: University students are already getting ready for the 11<sup>th</sup> Pneumobile Competition**

**The teams of twenty-two technical universities from nine countries are going to participate in the 11<sup>th</sup> International Aventics Pneumobile Competition, where compressed air-powered vehicles, built by engineering students, will clash in a contest of technology and dexterity in Érsekkert in Eger. Over the past weeks, the students received the part packages they had applied for; however, during the assembly phase, the competitors have to confirm their understanding of the competition rules as well and the organizers are also expecting short videos about the operation of the pneumobiles during April.**

The pneumobiles are already being built for the 11<sup>th</sup> International Aventics Pneumobile Competition: this year, the engineering students of twenty-two technical universities from nine countries are going to visit Érsekkert in Eger on the weekend of 11-12 May to put their knowledge and dexterity to the test. The professional jury accepted the parts applications of forty-two teams; in addition to the Hungarian teams, they posted the necessary parts to Polish, Romanian, Czech, Estonian, Lithuanian, Slovakian and Swedish competitors on 24 March.

In order to build their compressed air-powered vehicles, the students could order items from the product lines of AVENTICS, which include a wide variety of cylinders, mechanical, electronic and pneumatic valves, connectors, and accessories as well as Bosch Rexroth linear and control technology units. "The university students participating in the competition have the opportunity to become familiar with AVENTICS' product portfolio in practice, a piece of knowledge they will be able to make use of when looking for work as graduates" - said István Gödri, managing director of Aventics Hungary Kft. He also added that all parts made available to the students by the company also come with a warranty service and the preparation phase was made even more exciting by another competition sponsored by National Instruments, where five teams out of the eleven entries won control technology support from NI.

During the construction of the pneumobiles, the completion of each project phase has to be documented and the reports submitted to the professional jury. The teams have to be able to complete all milestones from the submission of the initial plans to the creation of a fully functional, self-propelled mobile vehicle. The online test concerning the competition rules is expected to be completed by the students by 4 April 2018 and the video confirming the functionality of their vehicle is required to be uploaded through the central interface by 30 April. Teams who prepare a picture report

about the preparation phase of the Pneumobile Competition will receive extra points (maximum 5) in the project management category. The deadline for the submission of these reports is 20 April 2018.

In addition to our competition, the 2<sup>nd</sup> Agria Conference of Innovative Pneumatic Vehicles (ACIPV 2018) will also be held on the same weekend, organised by the University of Óbuda, where university professors will present their publications related to pneumatics and pneumobiles. This international conference will offer an opportunity to the educators helping the students prepare for the competition to share their work with their colleagues and the credit points obtained during the event will help the professional advancement of these professors.

The free-to-visit event will also offer a variety of additional programmes: on Friday, the Chamber of Commerce and Industry of Heves County will popularise industrial professions in cooperation with Aventics Hungary Kft within the framework of a Job Quiz, and visitors should not miss the spectacular procession of pneumobiles through the city or the traditional opening ceremony at Dobó square. On Saturday, the organisers will invite visitors to complete playful challenges as part of the "Heptathlon". Primary school students can show the world what kind of machine or vehicle they would design as future engineers with the help of the 2018 Pneumobile Drawing Competition and the art submitted for the competition will be displayed in the form of an exhibition, including an opening ceremony. The organisers will also provide carrier advice to those interested. In addition to these programmes, enterprising visitors can try themselves on the virtual race track of Érsekkert with the help of a VR pneumobile and visitors both big and small can pummel away on the PNEUMole to their heart's content.

"The Pneumobile Competition is a real family event where everyone can find something they enjoy. If you can, come and check out these interesting vehicles and spend an enjoyable day in Érsekkert in Eger" - recommends the head of the local manufacturing plant.

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**About Aventics**

Aventics is one of the world's leading manufacturers of pneumatic components, systems, and customer-specific applications. The pneumatic engineering company provides products and services for the industrial automation, packaging technology, healthcare science, and energy industries. In addition, we also provide solutions for the commercial vehicle, maritime technology and railway technology markets as well.

By integrating electronics, the use of innovative materials and prioritizing trends such as machine safety and the Internet of Things, Aventics is a pioneer in applied and environmentally-friendly solutions. By being open to digitalisation, Aventics is preparing for the future.

With around 150 years of expertise in pneumatics, Aventics employs approx. 2,000 associates worldwide. In addition to production sites in Germany, France, Hungary, USA, and China, Aventics is represented in more than 90 countries through direct sales and dealers. The Aventics Group has received multiple certifications, including ISO 9001 and ISO/TS 16949 for quality, ISO 50001 for energy management, and ISO 14001 for environmental management.

Further information available at [www.aventics.hu](http://www.aventics.hu), [www.pneumatika.hu](http://www.pneumatika.hu), [www.pneumobil.hu](http://www.pneumobil.hu)