

Sajtóközlemény

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Unconventional solutions on the 11th Pneumobile Competition

This year the 11th International Pneumobile competition is going to be organized in May where we can meet new, interesting and creative engineer solutions. Because of the more rigorous safety prescriptions, quad-type vehicles cannot attend the competition in the Érsekkert, but it did not discourage anybody, many great and new compressed-air vehicles will be present on the competition weekend from 10th-12th May 2018.

The first round of the evaluation of plan documentations of the 11th International AVENTICS Pneumobile Competition is closed: documentations of 37 pneumobiles were approved by the jury, where the experts could meet ideas which are considered to be novelties in the more than 10 years history of the competition. The aim of the evaluation was that the compressed-air vehicles had to be prepared according to the technical parameters and safety prescriptions of the competition rules. Almost 10 engineer teams got chance to correct their materials according to the observations until the end of January. For students, the deadline of the replacement of the materials is 23rd of January 2018, then the organizers totalize the need of elements, in order to begin the delivery of the components at the end of February.

„It was a hard and intense week for the jury of the Pneumobile Competition, but thanks to their usual cooperation, the evaluation was running smoothly” – said Gödri István, the vice president of the organizer Aventics Hungary Kft. “It is a pleasure for us to see that the plan documentations have similarly good qualities like in the previous years, this year for the first time, engineer students can modify the standard products offered by the AVENTICS, which will be used by many of them, too. During the competition, our elements will have special aim, this is why we ensure the possibility for the transformation of them” – said the vice president.

On the field of drive and control, the best solutions are available for the teams: engineer students have the possibility to use Bosch Rexroth programmable control techniques and telemetric elements from the very beginning of the competition. This company supports machine- and equipment manufacturers globally with high-tech and unique industrial experiences and it is an excellent and stable partner for the organizer Aventics Hungary Kft from the beginnings. This year for the first time, the National Instruments (NI) offered a complementary application in which 11 teams took part. These teams have handed in a plan for electronic control in the complementary competition announced by NI. The engineers have

chosen 5 teams that are going to get all the necessary hardware and software elements to build the electronic drive of their vehicle.

On the basis of the accepted pneumobile documentations we can state, that the international field is continuously following the well-tried solutions, teams pay attention to each other and they can learn from the successful competitor's constructions year by year. This year, however, we are going to see several innovative technical solutions - the organizers are also curious about how teams will compete in the different competitions in May.

Further information: www.pneumobil.hu

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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 industrial automation, while additionally focusing on the sectors of commercial vehicles, food and beverage, railway technology, life sciences, energy, and marine technology. 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.

With around 150 years of expertise in pneumatics, Aventics employs approx. 2,000 associates worldwide. In addition to production sites in Germany (Laatzen), France (Bonneville), Hungary (Eger), USA (Lexington), and China (Changzhou), 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 is available at www.aventics.com.

Further information: www.aventics.hu, www.pneumatika.hu, www.pneumobil.hu